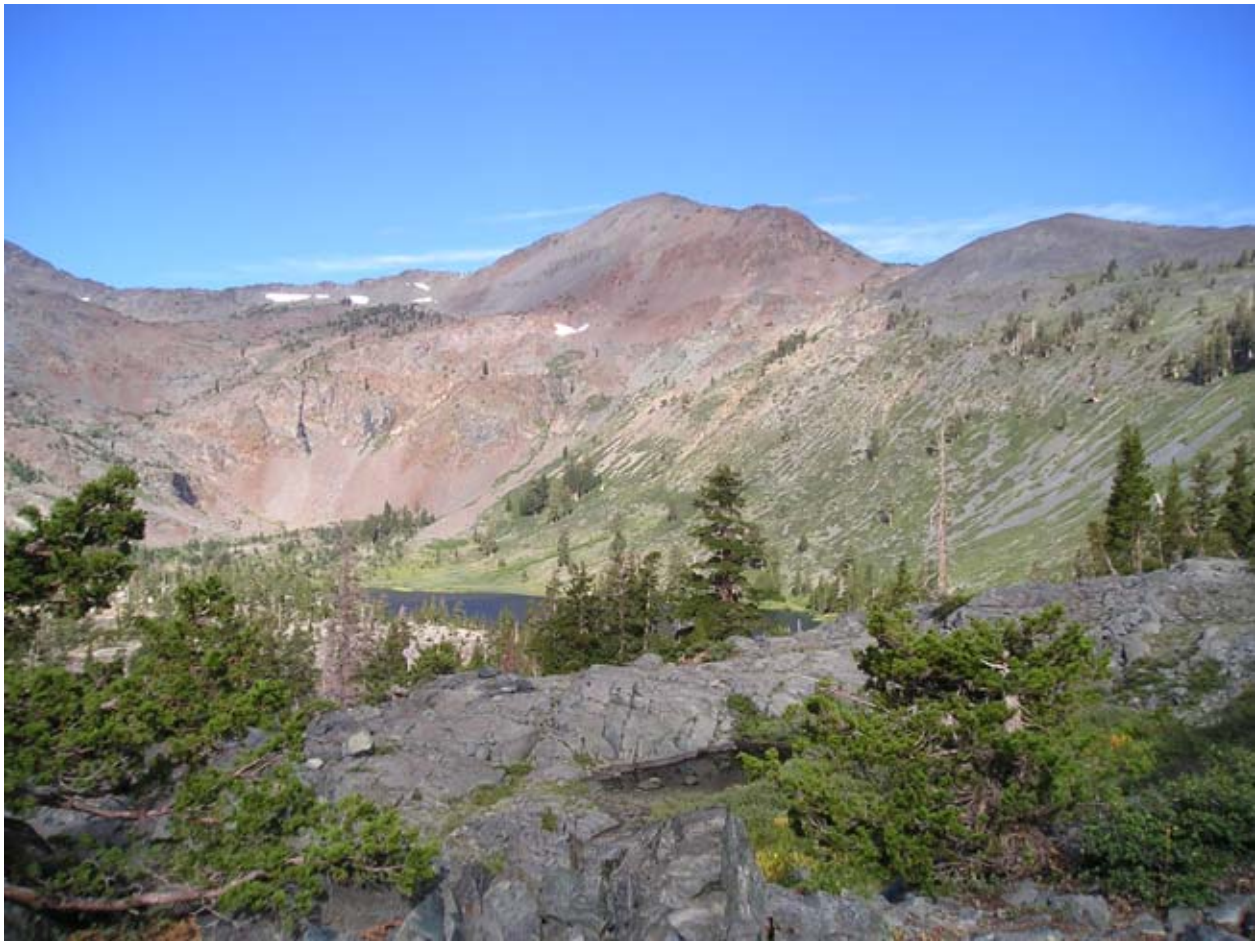
United States Department of Agriculture

NRCS

Natural Resources Conservation Service

In cooperation with United States Department of Agriculture, Forest Service; the California Department of Conservation; and the University of California, Agricultural Experiment Station

Soil Survey of the Tahoe Basin Area, California and Nevada



How To Use This Soil Survey

General Soil Map

The general soil map, which is a color map, shows the survey area divided into groups of associated soils called general soil map units. This map is useful in planning the use and management of large areas.

To find information about your area of interest, locate that area on the map, identify the name of the map unit in the area on the color-coded map legend, then refer to the section **General Soil Map Units** for a general description of the soils in your area.

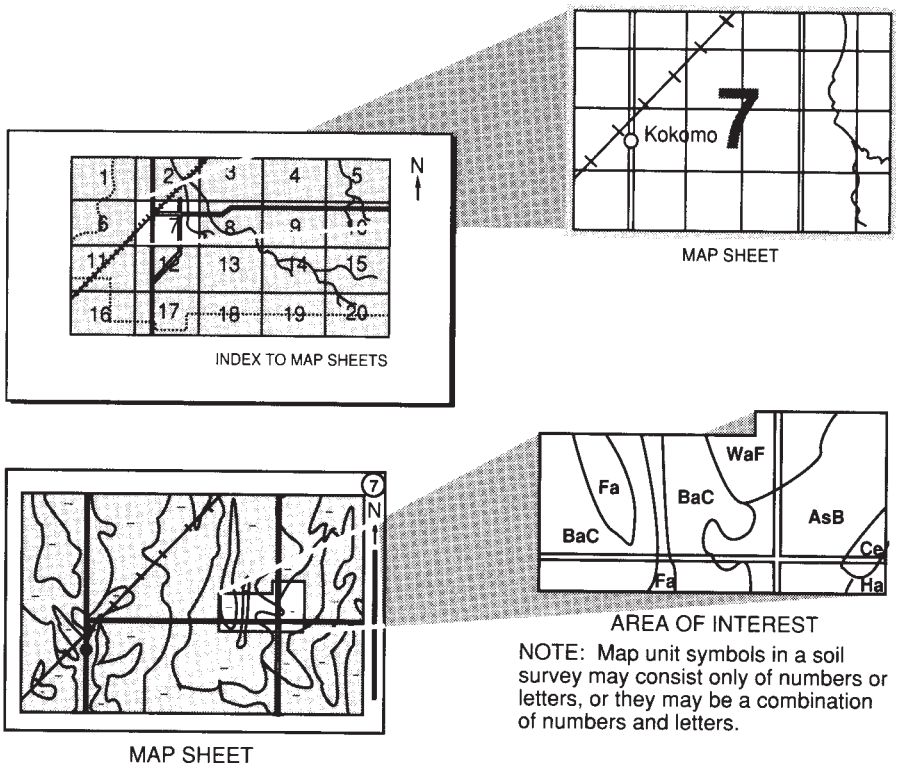
Detailed Soil Maps

The detailed soil maps can be useful in planning the use and management of small areas.

To find information about your area of interest, locate that area on the **Index to Map Sheets**. Note the number of the map sheet and turn to that sheet.

Locate your area of interest on the map sheet. Note the map unit symbols that are in that area. Turn to the **Contents**, which lists the map units by symbol and name and shows the page where each map unit is described.

The **Contents** shows which table has data on a specific land use for each detailed soil map unit. Also see the **Contents** for sections of this publication that may address your specific needs.



National Cooperative Soil Survey

This soil survey is a publication of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (formerly the Soil Conservation Service) has leadership for the Federal part of the National Cooperative Soil Survey. This survey was made cooperatively by the United States Department of Agriculture, Natural Resources Conservation Service and Forest Service; the California Department of Conservation; and the University of California, Agricultural Experiment Station. The survey is part of the technical assistance furnished to the Tahoe Resource Conservation District (in California) and to the Nevada Tahoe Resource Conservation District.

Major fieldwork for this soil survey was completed in 2005. Soil names and descriptions were approved in 2006. Unless otherwise indicated, statements in this publication refer to conditions in the survey area in 2006. The most current official data are available on the Internet.

Soil maps in this survey may be copied without permission. Enlargement of these maps, however, could cause misunderstanding of the detail of mapping. If enlarged, maps do not show the small areas of contrasting soils that could have been shown at a larger scale.

Nondiscrimination Statement

Citation

The correct citation for this survey is as follows:

United States Department of Agriculture, Natural Resources Conservation Service. 2007. Soil survey of the Tahoe Basin Area, California and Nevada. Accessible online at: http://soils.usda.gov/survey/printed_surveys/.

Cover Caption

Dicks Peak in Desolation Wilderness. An area of Rubble land-Glenalpine complex, 50 to 90 percent slopes, is above Half Moon Lake. Photo courtesy of Hugh Safford, United States Department of Agriculture, Forest Service.

Additional information about the Nation's natural resources is available online from the Natural Resources Conservation Service at http://www.nrcs.usda.gov.

Contents

Issued 2007

Foreword

This soil survey contains information that affects land use planning in this survey area. It contains predictions of soil behavior for selected land uses. The survey also highlights soil limitations, improvements needed to overcome the limitations, and the impact of selected land uses on the environment.

This soil survey is designed for many different users. Farmers, ranchers, foresters, and agronomists can use it to evaluate the potential of the soil and the management needed for maximum food and fiber production. Planners, community officials, engineers, developers, builders, and home buyers can use the survey to plan land use, select sites for construction, and identify special practices needed to ensure proper performance. Conservationists, teachers, students, and specialists in recreation, wildlife management, waste disposal, and pollution control can use the survey to help them understand, protect, and enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. The information in this report is intended to identify soil properties that are used in making various land use or land treatment decisions. Statements made in this report are intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are shallow to bedrock. Some are too unstable to be used as a foundation for buildings or roads. A high water table makes a soil poorly suited to basements or underground installations.

These and many other soil properties that affect land use are described in this soil survey. Broad areas of soils are shown on the general soil map. The location of each map unit is shown on the detailed soil maps. Each soil in the survey area is described. Information on specific uses is given for each soil. Help in using this publication and additional information are available at the local office of the Natural Resources Conservation Service or the Cooperative Extension Service.

Lincoln E. Burton
State Conservationist
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Soil Survey of
The Tahoe Basin Area, California and Nevada

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Assistance with vegetation data provided by Marchel Munnecke

United States Department of Agriculture, Natural Resources Conservation Service and Forest Service,
in cooperation with
California Department of Conservation and University of California, Agricultural Experiment Station

General Nature of the Survey Area

Lake Tahoe Basin sits on the state line between California and Nevada. The survey area includes Alpine, El Dorado, and Placer Counties, California, and Carson City Rural Area and Douglas and Washoe Counties, Nevada. It has a total of 336,854 acres, of which roughly 126,500 acres is water. Lake Tahoe makes up about 123,000 acres. About 85 percent of the basin is National Forest. Also, several state parks are in the area. The basin is in the high mountains between the Sierra-Nevada and the Carson Range. Elevation ranges from about 6,200 to 11,000 feet. All of the survey area drains to Lake Tahoe, except for a small acreage at the outlet of the lake. The survey area is dominated by steep mountainsides. Small areas of less steep land occur in riparian corridors and meadows and on alluvial flats and outwash plains. The acreage of less steep land increases with proximity to the lake.

There are two main types of geology in the Tahoe Basin (fig. 1). These are igneous intrusive rocks (typically granodiorite) and igneous extrusive rocks (typically andesitic lahar). Small amounts of metamorphic rock occur in the Spooner Summit and Desolation Wilderness areas.

Climate

Prepared by the National Water and Climate Center, Natural Resources Conservation Service, Portland, Oregon.

Table 1a gives data on temperature and precipitation for the survey area as recorded at Tahoe City in the period 1971 to 2000. Table 1b gives similar data for representative SNOTEL sites for various periods of record. Table 2 shows probable dates of the first freeze in fall and the last freeze in spring. Table 3 provides data on the length of the growing season. The median number of frost-free days (0 degrees C) ranges from 21 days at Hagan's Meadow to 100 days at Echo Peak. The median

Figure 1.—An example of the dominant geology in the Tahoe Basin. Granodiorite is on the left, and volcanic material is on the right.

number of freeze-free days (-2 degrees C) ranges from 48 days at Hagan's Meadow to 141 days at Tahoe City.

In winter, the average temperature is 30.8 degrees F and the average daily minimum temperature is 20.4 degrees. The lowest temperature on record, which occurred at Tahoe City on December 11, 1972, is -16 degrees. In summer, the average temperature is 58.6 degrees and the average daily maximum temperature is 74.6 degrees. The highest recorded temperature, which occurred at Tahoe City on August 15, 1933, is 94 degrees.

Growing degree days are shown in table 1a. They are equivalent to "heat units." During the month, growing degree days accumulate by the amount that the average temperature each day exceeds a base temperature (50 degrees F). The normal monthly accumulation is used to schedule single or successive plantings of a crop between the last freeze in spring and the first freeze in fall.

The average annual total precipitation is 32.75 inches. Of this, about 2.46 inches, or about 8 percent, usually falls in June through September. The growing season for most crops falls within this period. The heaviest 1-day rainfall on record, which occurred at Tahoe City on December 23, 1964, is 6.77 inches. Thunderstorms occur on about 18 days each year, and most occur in April in the western part of the survey area and in July in the eastern part.

The average seasonal snowfall is 169.3 inches at Tahoe City. The greatest recorded snow depth, which occurred on February 27, 1969, at Lake Lucille, is 259 inches. On an average, 131 days per year have at least 1 inch of snow on the ground. The heaviest recorded 1-day snowfall, which occurred at Tahoe City on March 20, 1952, is 166 inches.

The average relative humidity in midafternoon is about 42 percent. Humidity is higher at night, and the average at dawn is about 81 percent. The sun shines 87 percent of the time possible in summer and 57 percent in winter. The prevailing wind is from the west-northwest. Average windspeed is highest, 8.0 miles per hour, in March.

How This Survey Was Made

This survey was made to provide information about the soils and miscellaneous areas in the survey area. The information includes a description of the soils and miscellaneous areas and their location and a discussion of their suitability, limitations, and management for specified uses. Soil scientists observed the steepness and shape of the slopes, the general pattern of drainage, the kinds of native plants, and the kinds of bedrock. They dug many holes to study the soil profile, which is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

The soils and miscellaneous areas in the survey area occur in orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept or model of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil

scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

This soil survey updates the survey of the Tahoe Basin area published in 1974 (USDA, 1974). In this update, the boundaries included in the original survey were used as a foundation for the concepts and extent of soil types. Additional fieldwork was performed to refine the boundaries. Also, GIS software was used to better conform the boundary lines to the slope, landform, vegetation, and climate.

Vegetation ecologists collected vegetation data in conjunction with the soil data. Data were collected from circular plots with the soil pit in the center. Species composition, heights, and cover were recorded. Site index data were collected for the dominant trees, and rangeland productivity data were collected for sites that are not forested. The vegetation plot data, along with the soil data, were used to distinguish ecological sites on the basis of potential natural vegetation and soil characteristics.

General Soil Map Units

The general soil map in this publication shows broad areas that have a distinctive pattern of soils, relief, and drainage. Each map unit on the general soil map is a unique natural landscape. Typically, it consists of one or more major soils or miscellaneous areas and some minor soils or miscellaneous areas. It is named for the major soils or miscellaneous areas. The components of one map unit can occur in another but in a different pattern.

The general soil map can be used to compare the suitability of large areas for general land uses. Areas of suitable soils can be identified on the map. Likewise, areas where the soils are not suitable can be identified.

Because of its small scale, the map is not suitable for planning the management of a farm or field or for selecting a site for a road or building or other structure. The soils in any one map unit differ from place to place in slope, depth, drainage, and other characteristics that affect management.

Areas of water, including Lake Tahoe, make up 38.20 percent of the survey area.

Soils That Formed in Alluvium and Organic Soil Materials

1. Tahoe-Watah

Very deep, nearly level and gently sloping, very poorly drained, frigid soils that formed in alluvium

Map unit setting

Landform: Flood plains
Slope: 0 to 5 percent

Map unit composition

Extent of the map unit:
1.37 percent of the survey area

Extent of the components in the map unit:
Tahoe soils—50 percent
Watah soils—16 percent
Minor components—34 percent

Soil properties and qualities

Tahoe
Depth class: Very deep
Drainage class: Very poorly drained
Landform: Flood plains
Parent material: Alluvium derived from mixed sources
Texture of the surface layer: Mucky silt loam

Watah
Depth class: Very deep
Drainage class: Very poorly drained
Landform: Flood plains
Parent material: Organic material over alluvium derived from mixed sources
Texture of the surface layer: Peat

Minor components

- Marla soils on the perimeter of the flood plains
- Bidart soils in cold meadows at high elevations
- Water in small pockets and depressions
- Beach areas around the edge of the lake

Use and management

Major uses: Wildlife habitat, recreation, grazing, and watershed
Management concerns: High water table and subsidence

2. Hellhole

Very deep, nearly level, very poorly drained, frigid soils that formed in organic soil materials

Map unit setting

Landform: Fens
Slope: 0 to 2 percent

Map unit composition

Extent of the map unit:
0.07 percent of the survey area

Extent of the components in the map unit:
Hellhole soils—79 percent
Minor components—21 percent

Soil properties and qualities

Hellhole
Depth class: Very deep
Drainage class: Very poorly drained
Landform: Fens
Parent material: Mossy organic material
Texture of the surface layer: Peat

Minor components

- Bidart and Watah soils on the edge of the fens
- Water in depressions and pockets

Use and management

Major uses: Wildlife habitat and recreation
Management concerns: High water table and subsidence

Anthropogenic Soils and Landforms

3. Oxyaquic Xerorthents-Urban Land-Water

Very deep, well drained, nearly level and gently sloping soils and areas dominated by urban development, fill materials, and human-made water features

Map unit setting

Landform: Areas of fill deposits, human-created coves, and developed areas
Slope: 0 to 5 percent

Map unit composition

Extent of the map unit:
0.25 percent of the survey area

Extent of the components in the map unit:
Oxyaquic Xerorthents—39 percent
Urban land—34 percent
Water—26 percent
Minor components—1 percent

Soil properties and qualities

Oxyaquic Xerorthents
Depth class: Very deep
Drainage class: Well drained
Landform: Filled marshland
Parent material: Earthy fill derived from granodiorite
Texture of the surface layer: Very gravelly coarse sand

Use and management

Major use: Urban development
Management concern: Permeability

Soils on Glacial Outwash Terraces

4. Christopher-Jabu-Gefo-Inville

Very deep, gently sloping to moderately steep, somewhat excessively drained and well drained, frigid soils that formed in glacial outwash and alluvium

Map unit setting

Landform: Outwash plains
Slope: 2 to 30 percent

Map unit composition

Extent of the map unit:
3.58 percent of the survey area

Extent of the components in the map unit:
Christopher soils—26 percent
Jabu soils—22 percent
Gefo soils—17 percent
Inville soils—17 percent
Minor components—18 percent

Soil properties and qualities

Christopher
Depth class: Very deep
Drainage class: Somewhat excessively drained
Landform: Outwash plains
Parent material: Glacial outwash derived from granodiorite
Texture of the surface layer: Loamy coarse sand

Jabu
Depth class: Very deep
Drainage class: Well drained
Landform: Outwash plains
Parent material: Glacial outwash derived from granodiorite
Texture of the surface layer: Coarse sandy loam

Gefo
Depth class: Very deep
Drainage class: Somewhat excessively drained
Landform: Outwash plains
Parent material: Glacial outwash derived from granodiorite
Texture of the surface layer: Gravelly loamy coarse sand

Inville
Depth class: Very deep
Drainage class: Well drained
Landform: Alluvial fans and outwash plains
Parent material: Alluvium and outwash derived from mixed sources
Texture of the surface layer: Gravelly coarse sandy loam

Minor components

- Ubaj soils on lake terraces
- Oneidas soils, which are on outwash plains and are shallow to a weak fragipan

Use and management

Major use: Urban development
Management concerns: Permeability and slope

5. Marla-Celio-Oneidas

Very deep, nearly level to strongly sloping, poorly drained and somewhat poorly drained, frigid that soils that formed in alluvium and glacial outwash

Map unit setting

Landform: Outwash plains
Slope: 0 to 15 percent

Map unit composition

Extent of the map unit:
1.18 percent of the survey area

Extent of the components in the map unit:
Marla soils—29 percent
Celio soils—22 percent
Oneidas soils—19 percent
Minor components—30 percent

Soil properties and qualities

Marla
Depth class: Very deep
Drainage class: Poorly drained
Landform: Outwash fans
Parent material: Alluvium derived dominantly from granodiorite
Texture of the surface layer: Loamy coarse sand

Celio
Depth class: Deep
Drainage class: Somewhat poorly drained
Landform: Outwash fans
Parent material: Glacial outwash derived dominantly from granodiorite
Texture of the surface layer: Gravelly loamy coarse sand

Oneidas
Depth class: Very deep
Drainage class: Poorly drained
Landform: Outwash terraces
Parent material: Glacial outwash derived dominantly from granodiorite
Texture of the surface layer: Coarse sandy loam

Minor components

- Tahoe and Watah soils on flood plains
- Gefo, Christopher, and Jabu soils in the slightly higher areas

Use and management

Major uses: Wildlife habitat, recreation, and urban development
Management concerns: Wetness and permeability

Soils and Rock Outcrop on Glacial Moraines and in Glacial Valleys

6. Rock Outcrop-Meeks

Rock outcrop and deep and very deep, gently sloping to very steep, well drained and somewhat excessively drained, frigid soils on moraines

Map unit setting

Landform: Glacial valleys and moraines
Slope: 2 to 70 percent

Map unit composition

Extent of the map unit:
10.66 percent of the survey area

Extent of the components in the map unit:
Rock outcrop—35 percent
Meeks and similar soils—34 percent
Minor components—31 percent

Soil properties and qualities

Meeks soils
Depth class: Deep or very deep

Drainage class: Well drained or somewhat excessively drained
Landform: Moraines
Parent material: Glacial till and outwash derived from granodiorite
Texture of the surface layer: Gravelly loamy coarse sand

Minor components

- Loamy-skeletal Tallac soils on glacial moraines
- Rockbound soils, which are very shallow and formed in colluvium in glacial valleys

Use and management

Major uses: Wildlife habitat and recreation
Management concerns: Depth to bedrock and slope

7. Paige-Kneeridge

Very deep, gently sloping to very steep, moderately well drained and well drained, frigid soils in areas of glacial moraines and valleys dominated by volcanic parent materials

Map unit setting

Landform: Moraines and the footslopes and side slopes of glaciated valleys
Slope: 2 to 60 percent

Map unit composition

Extent of the map unit:
1.46 percent of the survey area

Extent of the components in the map unit:
Paige soils—45 percent
Kneeridge and similar soils—39 percent
Minor components—16 percent

Soil properties and qualities

Paige
Depth class: Very deep
Drainage class: Well drained
Landform: Moraines
Parent material: Colluvium over till derived from volcanic rocks
Texture of the surface layer: Medial sandy loam

Kneeridge
Depth class: Very deep
Drainage class: Well drained and moderately well drained
Landform: Footslopes and side slopes in glaciated valleys
Parent material: Colluvium and/or till derived from andesitic lahar
Texture of the surface layer: Gravelly medial loamy coarse sand

Minor components

- Waca and Jorge soils on mountain slopes and hillsides

Use and management

Major uses: Wildlife habitat, recreation, and urban development
Management concerns: Slope, wetness, and stoniness

8. Meeks-Tallac

Deep or very deep, gently sloping to very steep, moderately well drained to somewhat excessively drained, frigid soils on glacial moraines dominated by granodiorite parent materials

Map unit setting

Landform: Moraines and outwash plains
Slope: 2 to 70 percent

Map unit composition

Extent of the map unit:
3.37 percent of the survey area

Extent of the components in the map unit:
Meeks and similar soils—51 percent
Tallac and similar soils—38 percent
Minor components—11 percent

Soil properties and qualities

Meeks
Depth class: Deep or very deep
Drainage class: Well drained or somewhat excessively drained
Landform: Moraines and outwash plains
Parent material: Glacial till and outwash derived from granodiorite
Texture of the surface layer: Gravelly loamy coarse sand

Tallac
Depth class: Deep or very deep
Drainage class: Moderately well drained or well drained
Landform: Moraines and outwash plains
Parent material: Glacial till and outwash derived dominantly from granodiorite
Texture of the surface layer: Gravelly coarse sandy loam

Minor components

- Burnlake soils in positions on the landscape similar to those of the major soils

Use and management

Major uses: Wildlife habitat, recreation, and urban development
Management concerns: Slope, stoniness, and wetness

9. Waca-Ellispeak

Moderately deep and shallow, strongly sloping to very steep, well drained and excessively drained, frigid soils on glacial valley walls dominated by volcanic parent materials

Map unit setting

Landform: Mountain slopes and glacial valley walls (fig. 2)
Slope: 5 to 70 percent

Map unit composition

Extent of the map unit:
1.68 percent of the survey area

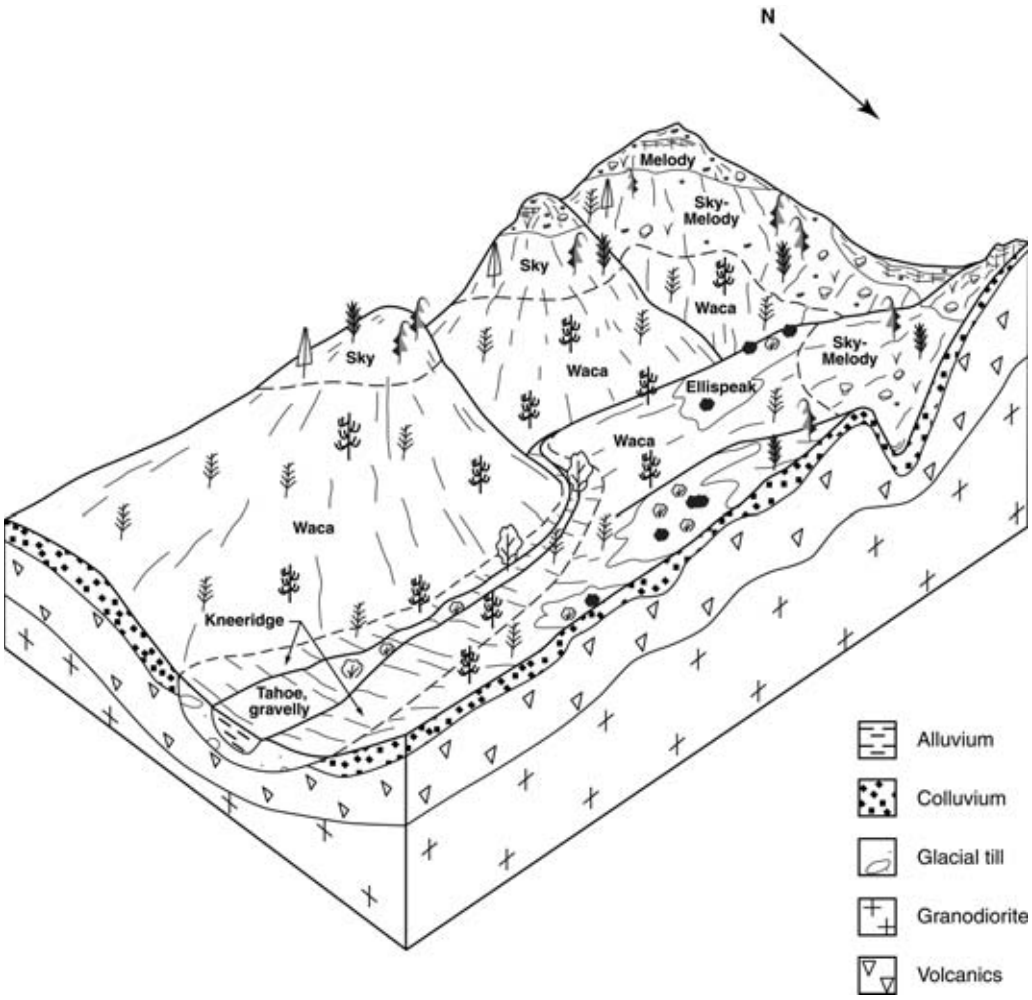


Figure 2.—Representative diagram of the Blackwood Canyon area (not to scale). The Waca-Ellispeak general soil map unit is in this area.

Extent of the components in the map unit:
Waca soils—69 percent
Ellispeak soils—14 percent
Minor components—17 percent

Soil properties and qualities

Waca
Depth class: Moderately deep
Drainage class: Well drained
Landform: Mountain slopes
Parent material: Colluvium over residuum weathered from andesitic lahar
Texture of the surface layer: Very gravelly medial coarse sandy loam

Ellispeak
Depth class: Shallow
Drainage class: Excessively drained
Landform: Side slopes of mountains and ridges
Parent material: Colluvium derived from andesitic lahar
Texture of the surface layer: Stony fine sandy loam

Minor components

- Rock outcrop
- Windy soils, which are in positions on the landscape similar to those of the major soils and are deep to bedrock

Use and management

Major uses: Wildlife habitat and recreation
Management concerns: Slope and depth to bedrock

Soils and Rock Outcrop on Mountains

10. Whittell-Jobsis-Rock Outcrop

Rock outcrop and shallow and moderately deep, strongly sloping to very steep, somewhat excessively drained, cryic soils that formed in colluvium over residuum derived from granodiorite; on mountaintops and shoulders

Map unit setting

Landform: Mountaintops and shoulders (fig. 3)
Slope: 8 to 30 percent

Map unit composition

Extent of the map unit:
2.90 percent of the survey area

Extent of the components in the map unit:
Whittell soils—34 percent
Jobsis soils—30 percent
Rock outcrop—16 percent
Minor components—20 percent

Soil properties and qualities

Whittell
Depth class: Moderately deep
Drainage class: Somewhat excessively drained
Landform: Mountaintops and shoulders
Parent material: Colluvium over residuum derived from granodiorite
Texture of the surface layer: Loamy coarse sand

Jobsis
Depth class: Shallow
Drainage class: Somewhat excessively drained
Landform: Mountaintops and shoulders
Parent material: Colluvium over residuum derived from granodiorite
Texture of the surface layer: Loamy coarse sand

Minor components

- Windyridge and Freelpeak soils at the higher elevations on the shoulders and summits of mountains

Use and management

Major uses: Wildlife habitat and recreation
Management concerns: Fragile soil surface and sensitive plant communities

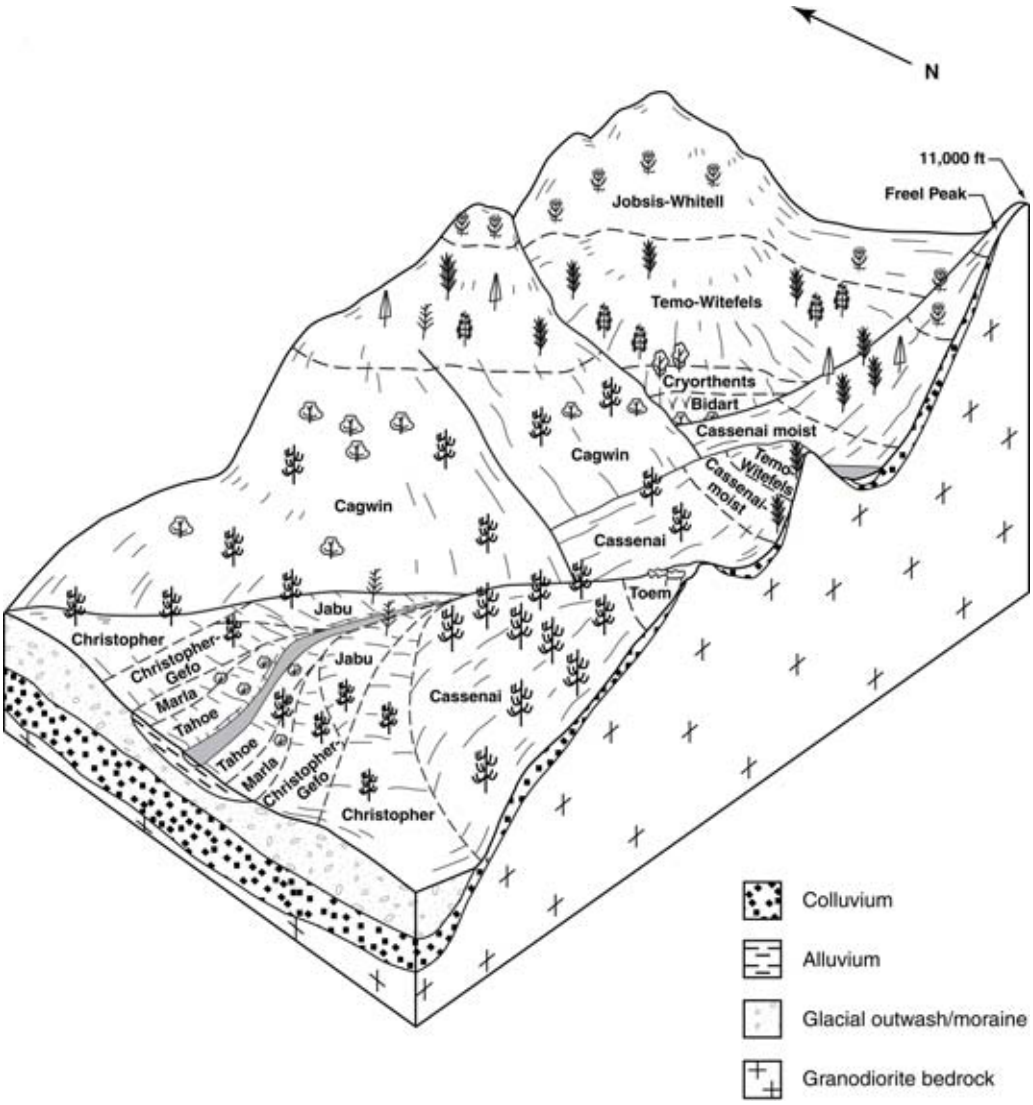


Figure 3.—Representative diagram of the Freel Peak area (not to scale). The Whittell-Jobsis-Rock outcrop general soil map unit is in this area.

11. Dagget-Temo

Deep and shallow, strongly sloping to very steep, excessively drained, cryic soils that formed in colluvium over residuum derived from granodiorite; on mountainsides

Map unit setting

Landform: Mountainsides
Slope: 5 to 70

Map unit composition

Extent of the map unit:
9.63 percent of the survey area

Extent of the components in the map unit:
Dagget and similar soils—33 percent
Temo and similar soils—22 percent

Minor components—45 percent

Soil properties and qualities

Dagget
Depth class: Deep
Drainage class: Excessively drained
Landform: Mountainsides
Parent material: Colluvium over residuum derived from granodiorite
Texture of the surface layer: Very gravelly loamy coarse sand

Temo
Depth class: Shallow
Drainage class: Excessively drained
Landform: Mountainsides
Parent material: Colluvium over residuum derived from granodiorite
Texture of the surface layer: Bouldery coarse sand

Minor components

- Witefels soils in the less convex areas on mountainsides
- Cassenai soils, which are in the lower areas on the mountains and have denser vegetation
- Rock outcrop, which is typically in the more convex areas

Use and management

Major uses: Wildlife habitat and recreation
Management concerns: A bouldery surface, depth to bedrock, and Rock outcrop

12. Melody-Mountrose

Shallow and very deep, strongly sloping to very steep, excessively drained and well drained, cryic soils that formed in andesitic lahar colluvium and residuum on mountaintops and shoulders

Map unit setting

Landform: Mountains
Slope: 9 to 70 percent

Map unit composition

Extent of the map unit:
2.56 percent of the survey area

Extent of the components in the map unit:
Melody and similar soils—37 percent
Mountrose and similar soils—25 percent
Minor components—38 percent

Soil properties and qualities

Melody
Depth class: Shallow
Drainage class: Excessively drained
Landform: Shoulders and ridgetops of mountains
Parent material: Colluvium over residuum weathered from volcanic rocks
Texture of the surface layer: Very cobbly ashy sandy loam

Mountrose
Depth class: Very deep
Drainage class: Well drained
Landform: Shoulders and side slopes of mountains
Parent material: Colluvium derived from volcanic rocks
Texture of the surface layer: Medial loamy coarse sand

Minor components

- Shakespeare soils in areas of metamorphic rocks
- The very shallow Lithnip and shallow Meiss soils
- Rock outcrop
- Wardcreek soils on high backslopes in the mountains
- Sky soils, which are on side slopes and support dense vegetation

Use and management

Major uses: Wildlife habitat and recreation
Management concerns: Slope and depth to bedrock

13. Sky-Callat

Moderately deep, strongly sloping to very steep, well drained, cryic soils that formed in andesitic lahar colluvium and glacial till on mountains

Map unit setting

Landform: Mountains (fig. 4)
Slope: 9 to 70 percent

Map unit composition

Extent of the map unit:
3.32 percent of the survey area

Extent of the components in the map unit:
Sky and similar soils—42 percent
Callat soils—15 percent
Minor components—43 percent

Soil properties and qualities

Sky
Depth class: Moderately deep
Drainage class: Well drained
Landform: Mountain slopes
Parent material: Colluvium over residuum weathered from andesitic lahar
Texture of the surface layer: Gravelly medial sandy loam

Callat
Depth class: Moderately deep
Drainage class: Well drained
Landform: Mountains
Parent material: Colluvium over glacial till derived from volcanic rocks
Texture of the surface layer: Gravelly coarse sandy loam

Minor components

- The shallow Melody soils on mountaintops and shoulders
- The very deep Watsonlake soils on mountain slopes

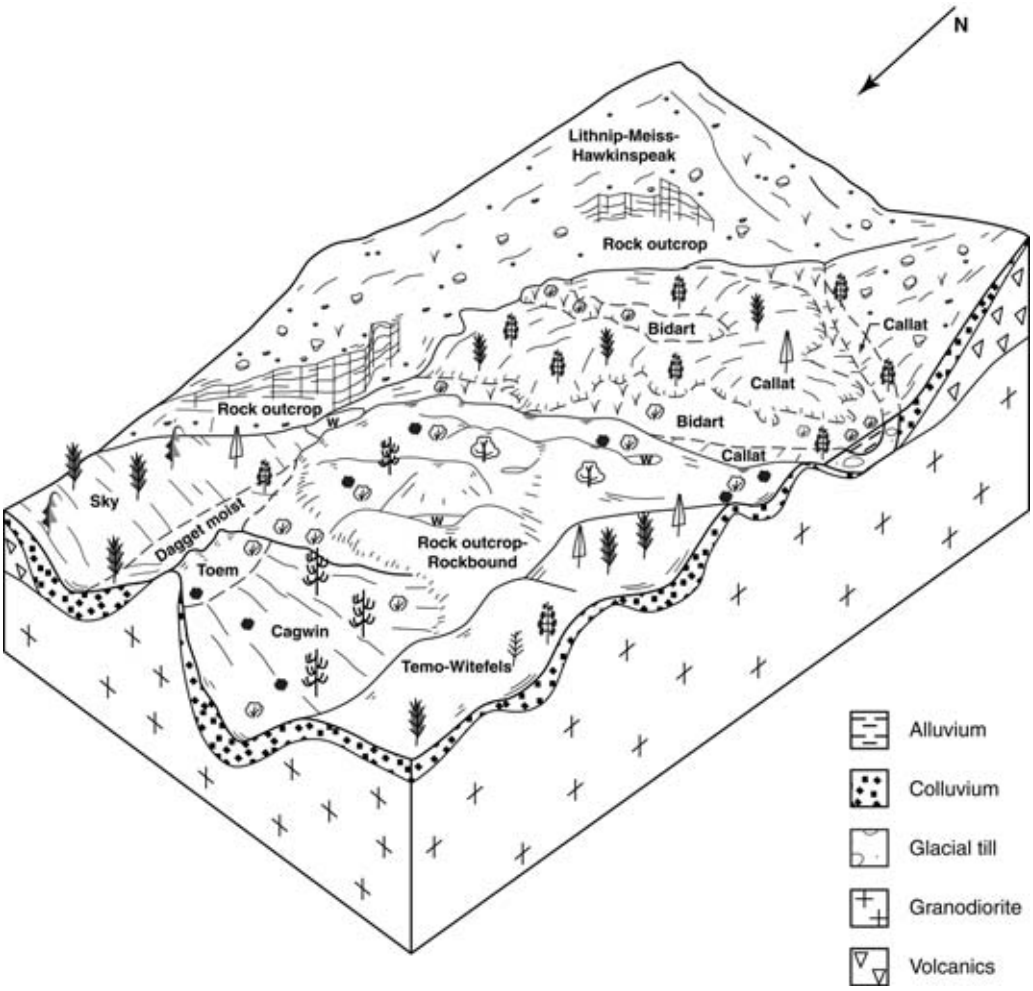


Figure 4.—Representative diagram of the Meiss Meadow area (not to scale). The Sky-Callat general soil map unit is in this area.

Use and management

Major uses: Wildlife habitat and recreation
Management concerns: Slope, depth to bedrock or till, and stoniness

14. Cassenai-Cagwin

Very deep and moderately deep, strongly sloping to very steep, somewhat excessively drained, frigid soils that formed in colluvium over residuum derived from granodiorite; on mountainsides and hillslopes

Map unit setting

Landform: Mountainsides and hillslopes
Slope: 5 to 70 percent

Map unit composition

Extent of the map unit:
11.78 percent of the survey area

Extent of the components in the map unit:
Cassenai soils—36 percent
Cagwin and similar soils—33 percent
Minor components—31 percent

Soil properties and qualities

Cassenai
Depth class: Very deep
Drainage class: Somewhat excessively drained
Landform: Mountainsides and hillslopes
Parent material: Colluvium over residuum derived from granodiorite
Texture of the surface layer: Gravelly loamy sand

Cagwin
Depth class: Moderately deep
Drainage class: Somewhat excessively drained
Landform: Mountainsides and hillslopes
Parent material: Colluvium over residuum derived from granodiorite
Texture of the surface layer: Loamy coarse sand

Minor components

- Rock outcrop
- The shallow Toem soils, which are in landscape positions similar to those of the major soils
- Dagget soils in the higher areas

Use and management

Major uses: Wildlife habitat, recreation, and urban development
Management concerns: Slope, depth to bedrock, and Rock outcrop

15. Jorge-Tahoma

Deep or very deep, strongly sloping to very steep, well drained, frigid soils that formed in colluvium over residuum derived from andesitic lahar; on mountains and hillslopes

Map unit setting

Landform: Mountains and hillslopes
Slope: 5 to 70 percent

Map unit composition

Extent of the map unit:
7.19 percent of the survey area

Extent of the components in the map unit:
Jorge and similar soils—50 percent
Tahoma soils—27 percent
Minor components—23 percent

Soil properties and qualities

Jorge
Depth class: Deep or very deep
Drainage class: Well drained
Landform: Mountains and hillslopes
Parent material: Colluvium over residuum derived from andesitic lahar

Texture of the surface layer: Stony sandy loam

Tahoma
Depth class: Deep or very deep
Drainage class: Well drained
Landform: Mountains and hillslopes
Parent material: Colluvium over residuum derived from andesitic lahar
Texture of the surface layer: Very cobbly sandy loam

Minor components

- The moderately deep Waca soils on mountain slopes
- Kingsbeach soils, which are on alluvial fans and are underlain by lacustrine deposits

Use and management

Major uses: Wildlife habitat, recreation, and urban development
Management concerns: Slope, stoniness, and permeability

16. Deerhill-Southcamp

Very deep, strongly sloping to very steep, well drained, frigid soils that formed in metamorphic and volcanic colluvium and residuum on mountains and hillslopes

Map unit setting

Landform: Mountains and hillslopes
Slope: 9 to 70

Map unit composition

Extent of the map unit:
0.80 percent of the survey area

Extent of the components in the map unit:
Deerhill and similar soils—27 percent
Southcamp soils—25 percent
Minor components—48 percent

Soil properties and qualities

Deerhill
Depth class: Very deep
Drainage class: Well drained
Landform: Mountain flanks and hillsides
Parent material: Colluvium over residuum weathered from metamorphic rocks
Texture of the surface layer: Gravelly fine sandy loam

Southcamp
Depth class: Very deep
Drainage class: Well drained
Landform: Hillslopes and ridgetops
Parent material: Colluvium over residuum weathered from porphyritic trachyte flows
Texture of the surface layer: Very gravelly fine sandy loam

Minor components

- The moderately deep Zephyrcove and Caverock soils in positions on the landscape similar to those of the major soils

- The very deep Cassenai soils, which are in positions on the landscape similar to those of the major soils and formed in colluvium over residuum weathered from granodiorite
- Genoapeak soils in convex areas

Use and management

Major uses: Wildlife and recreation
Management concerns: Slope and permeability

General Vegetation Map Units

The general vegetation map in this publication shows broad areas that have similar vegetation or similar plant assemblages. Each unit on the map is a unique natural landscape dominated by one or two ecological sites. An ecological site is associated with a specific soil component. The ecological site associated with the dominant soil component was used to generate this map. The site is named after its potential natural plant community. The general vegetation map has a minimum polygon size of 100 acres. Areas smaller than 100 acres were merged into surrounding or neighboring vegetation map unit 1. For example, many small polygons of map unit 1, which includes the higher elevation meadows and riparian areas, were merged into map unit 13, the subalpine mixed conifer forests.

The general vegetation map is very similar to the general soil map, but it differs in some areas because the grouping of the detailed soil map units was based on different characteristics. For example, geology was a major break for grouping soils on the general soil map, but the white fir mixed conifer forest types occur on soils derived from both volcanic and granitic parent materials.

Because of its small scale, the map is not suitable for planning the management of forest practices, fire modeling, or any other detailed projects. The vegetation in any one map unit is actually quite varied and is an assemblage of many plant communities.

Following is a description of the general vegetation map units, including the associated ecological site numbers.

Meadows and wetlands

1. At the lower elevations, Nebraska sedge, mixed grasses, and forbs (R022AE208CA) interlace with a mixed willow community (R022AE203CA) on flood plains and alluvial terraces associated with small streams and lakes. In the wetter depressions, Northwest Territory sedge and blister sedge dominate (F022AE2009CA). In the higher elevation meadows, tufted hairgrass and Sierra or mountain willow dominate with mixed forbs (R022AE207CA). An aspen ecological site also is associated with these meadows and riparian corridors (F022AE004CA).
2. Sphagnum fens and associated wetlands (R022AE204CA).

Anthropogenic landforms

3. Disturbed areas of earthwork-creating pits, dumps, and/or fill material. The disturbance results in barren areas or permanently altered vegetation.

Sierra lodgepole pine forests

4. Montane forests dominated by Sierra lodgepole pine, generally associated with meadow edges or river drainages. The associated ecological sites are F022AE002CA, F022AE005CA, and F022AE009CA.

Jeffrey pine forests and associated shrublands

5. Dense forests dominated by Jeffrey pine with very little white fir. The associated ecological site is F022AE006CA.

6. Dense Jeffrey pine forests on north aspects (F022AE023CA) and a more open Jeffrey pine forest community with a high cover of shrubs on south aspects (F022AE021CA). On the rocky ridgetops and upper south-facing slopes, a mixed shrub community is dominated either by mountain sagebrush and antelope bitterbrush or by greenleaf manzanita and huckleberry oak (R022AE210CA).

White fir dominated mixed conifer forests

7. Mixed conifer forests with white fir, Jeffrey pine, incense cedar, and sugar pine (F022AE013CA).
8. White fir and Jeffrey pine forests with occasional incense cedar and very little sugar pine (F022AE007CA).

Red fir and white fir forests

9. Mixed forests dominated by red fir and white fir. Jeffrey pine also occurs. Creeping snowberry is the most common understory associate (F022AE008CA).
10. Mixed forests dominated by red fir and white fir with snowbrush ceanothus and/or mountain whitethorn in the understory (F022AE024CA).

Red fir dominated forests

11. Red fir dominated forests with a high component of western white pine. Pinemat manzanita is common with a high cover in the understory (F022AE010CA).
12. Red fir and Jeffrey pine forests with a high cover of mixed shrubs, including mountain snowberry, mountain sagebrush, and wax currant (F022AE011CA).

Subalpine mixed conifer forests

13. Forests that are generally dominated by Sierra lodgepole pine and mountain hemlock and intermixed with red fir and western white pine. The associated ecological sites are F022AE014CA, F022AE016CA, F022AE019CA, and F022AY118NV.

Whitebark pine forests and areas above timberline

14. Whitebark pine forests with tall upright trees (F022AE001CA) and Whitebark pine forest/shrublands with a more multi-stemmed Krummholz-like growth (F022AY134NV). Above timberline, a very compact and prostrate plant community (R022AY032NV) is dominated by hardy perennials and sub-shrubs, such as dwarf phlox, Nevada podistera, and pygmy fleabane.

Rockland and shrublands

15. Huckleberry oak and greenleaf manzanita shrublands (R022AE213CA and R022AE217CA)
16. Mixed shrubs and forbs (R022AE215CA, R022AE219CA, R022AE211CA, and R022AE012NV)
17. Rockland with scattered trees and pockets of vegetation (R022AE202CA)

Full descriptions of the ecological sites are available at http://esis.sc.egov.usda.gov/. For plant names, see http://plants.usda.gov/.

Detailed Soil Map Units

The map units delineated on the detailed soil maps in this survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this section, along with the maps, can be used to determine the suitability and potential of a unit for specific uses. They also can be used to plan the management needed for those uses.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They are not mentioned in the map unit descriptions. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. The contrasting components are mentioned in the map unit descriptions. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives the principal hazards and limitations to be considered in planning for specific uses.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown

on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Tahoe mucky silt loam, drained, 0 to 5 percent slopes, is a phase of the Tahoe series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes or associations.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Ellispeak-Rock outcrop complex, 9 to 30 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Lithnip-Meiss-Hawkinspeak association, 30 to 75 percent slopes, is an example.

This survey includes *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

The detailed soil map also includes information about the natural vegetation within each map unit. Ecological sites with distinct natural plant communities are linked to the soil components within each map unit. See the sections on forest and rangeland management for more information about ecological sites.

Tables 4a and 4b give the acreage and proportionate extent of each map unit. Other tables give properties of the soils and the limitations, capabilities, and potentials for many uses. The Glossary defines many of the terms used in describing the soils or miscellaneous areas.

7011—Beaches

Map unit setting

General location: The shoreline area of Lake Tahoe
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,215 to 6,245 feet (1,895 to 1,905 meters)
Mean annual precipitation: 21 to 27 inches (530 to 690 millimeters)
Mean annual air temperature: 43 to 46 degrees F (6 to 8 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Beaches—64 percent
Minor components—36 percent

Characteristics of Beaches

Slope: 0 to 5 percent
Aspect: North
Landform: Beaches
Kind of material: Beach sand
Typical vegetation: Scant forbs and/or grasses
Percentage of the surface covered by rock fragments: 0 to 35 percent by fine gravel, 0 to 10 percent by coarse gravel, and 0 to 5 percent by cobbles
Restrictive feature: None noted
Slowest permeability: Rapid
Available water capacity to a depth of 60 inches: About 1.8 inches (very low)

Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Negligible
Current water table: Present
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Oxyaquic Xeropsamments and similar soils
Extent: About 10 percent of the map unit
Slope: 0 to 5 percent
Landform: Barrier beaches
Typical vegetation: Forbs and grasses
Ecological site: None assigned

Watah and similar soils
Extent: About 7 percent of the map unit
Slope: 0 to 2 percent
Landform: Fens, flood plains, and valley flats
Typical vegetation: Seasonally flooded basins dominated by sedges (*Carex utriculata* and/or *Carex vesicaria*); also, other grasses, rushes, and forbs with small patches of willow
Ecological site: R022AE209CA, Flooded Basins

Gefo, barrier beach, and similar soils
Extent: About 6 percent of the map unit
Slope: 0 to 5 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir, greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Marla and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

Cagwin and similar soils
Extent: About 1 percent of the map unit
Slope: 5 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 1 percent of the map unit
Slope: 5 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Dunes
Extent: About 1 percent of the map unit
Slope: 5 to 15 percent
Typical vegetation: None assigned
Ecological site: None assigned

Jorge very gravelly sandy loam and similar soils
Extent: About 1 percent of the map unit
Slope: 2 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Rock outcrop
Extent: About 1 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Tahoe silt loam and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 2 percent
Landform: Flood plains and valley flats
Typical vegetation: Moist meadows dominated by sedges, rushes, and grasses with a variety of forbs
Ecological site: R022AE208CA, Frigid Loamy Terrace

Tahoma and similar soils
Extent: About 1 percent of the map unit
Slope: 2 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Toem and similar soils
Extent: About 1 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes

Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

7021—Hellhole peat, 0 to 2 percent slopes

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,705 to 8,510 feet (2,350 to 2,595 meters)
Mean annual precipitation: 45 to 47 inches (1,140 to 1,190 millimeters)
Mean annual air temperature: 37 to 40 degrees F (3 to 4 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Hellhole—80 percent
Minor components—20 percent

Characteristics of Hellhole and similar soils

Slope: 0 to 2 percent
Aspect: North
Landform: Fens
Parent material: Mossy organic material
Typical vegetation: Sphagnum bogs dominated by a mat of floating Sphagnum moss; mountain blueberry, bog laurel, sedges, and a variety of alpine forbs growing on the mat
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Slowest permeability: Rapid
Available water capacity to a depth of 60 inches: About 35.4 inches (very high)

Hydrologic properties
Present annual flooding: Rare
Present annual ponding: Frequent
Surface runoff class: Negligible
Current water table: Present
Natural drainage class: Very poorly drained
Hydrologic soil group: A/D

Interpretive groups
Land capability (nonirrigated): 5w
Ecological site: R022AE204CA, Sphagnum Fen

Typical profile
Oi1—0 to 11 inches (0 to 29 centimeters); peat
Oi2—11 to 59 inches (29 to 150 centimeters); peat
Oe—59 to 118 inches (150 to 300 centimeters); mucky peat

Minor components

Bidart, wet, and similar soils
Extent: About 10 percent of the map unit
Slope: 0 to 2 percent
Landform: Flood plains and valley flats

Typical vegetation: None assigned
Ecological site: R022AE207CA, Cold Wet Alluvial Flat

Watah and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 2 percent
Landform: Fens, flood plains, and valley flats
Typical vegetation: Seasonally flooded basins dominated by sedges (*Carex utriculata* and/or *Carex vesicaria*); also, other grasses, rushes, and forbs with small patches of willow
Ecological site: R022AE209CA, Flooded Basins

Water
Extent: About 5 percent of the map unit
Typical vegetation: None assigned
Ecological site: None assigned

7031—Pits and dumps

Map unit setting

Major uses: Urban
MLRA: 22A—Sierra Nevada Mountains
Elevation: 6,230 to 7,180 feet (1,900 to 2,190 meters)
Mean annual precipitation: 23 to 55 inches (580 to 1,400 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)

Map unit composition

Pits—45 percent
Dumps—45 percent
Minor components—10 percent

Characteristics of Pits

Aspect: North
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted

Hydrologic properties
Present annual flooding: None
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Characteristics of Dumps

Aspect: North
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted

Hydrologic properties
Present annual flooding: None
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Arents and similar soils
Extent: About 5 percent of the map unit
Typical vegetation: None assigned
Ecological site: None assigned

Xerorthents and similar soils
Extent: About 5 percent of the map unit
Typical vegetation: None assigned
Ecological site: None assigned

7041—Tahoe complex, 0 to 2 percent slopes

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, urban development, and grazing
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,215 to 7,970 feet (1,895 to 2,430 meters)
Mean annual precipitation: 23 to 51 inches (580 to 1,300 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 20 to 60 days

Map unit composition

Tahoe silt loam—55 percent
Tahoe silt loam, wet—25 percent
Minor components—20 percent

Characteristics of Tahoe silt loam and similar soils

Slope: 0 to 2 percent
Aspect: North
Landform: Flood plains and valley flats
Parent material: Alluvium derived from granitic and volcanic rocks
Typical vegetation: Moist meadows dominated by sedges, rushes, and grasses with a variety of forbs
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Available water capacity to a depth of 60 inches: About 9.2 inches (high)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: Occasional
Present annual ponding: Occasional
Surface runoff class: Very high
Current water table: Present
Natural drainage class: Very poorly drained
Hydrologic soil group: C/D

Interpretive groups
Land capability (nonirrigated): 5w
Ecological site: R022AE208CA, Frigid Loamy Terrace

Typical profile

Oe—0 to 3 inches (0 to 8 centimeters); moderately decomposed plant material
A1—3 to 11 inches (8 to 28 centimeters); mucky silt loam
A2—11 to 15 inches (28 to 38 centimeters); mucky silt loam
A3—15 to 20 inches (38 to 51 centimeters); gravelly coarse sand
A4—20 to 30 inches (51 to 76 centimeters); mucky silt loam
Cg1—30 to 49 inches (76 to 125 centimeters); loam
Cg2—49 to 59 inches (125 to 150 centimeters); loamy sand

Characteristics of Tahoe silt loam, wet, and similar soils

Slope: 0 to 2 percent
Aspect: North
Landform: Flood plains and valley flats
Parent material: Alluvium derived from granitic and volcanic rocks
Typical vegetation: Mosaic of Lemmon's willow and Geyer willow with open meadows of sedges and grasses
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 5.5 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties

Present annual flooding: Frequent
Present annual ponding: Frequent
Surface runoff class: Very high
Current water table: Present
Natural drainage class: Very poorly drained
Hydrologic soil group: A/D

Interpretive groups

Land capability (nonirrigated): 5w
Ecological site: R022AE203CA, Frigid Loamy Floodplain

Typical profile

A1—0 to 10 inches (0 to 25 centimeters); mucky silt loam
A2—10 to 27 inches (25 to 68 centimeters); loam
Cg1—27 to 32 inches (68 to 82 centimeters); loamy fine sand
Cg2—32 to 46 inches (82 to 117 centimeters); fine sand

Minor components

Marla and similar soils

Extent: About 10 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

Tahoe, gravelly, and similar soils

Extent: About 5 percent of the map unit
Slope: 0 to 5 percent
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses

Ecological site: R022AE214CA, Gravelly Flats

Watah and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 2 percent
Landform: Fens, flood plains, and valley flats
Typical vegetation: Seasonally flooded basins dominated by sedges (*Carex utriculata* and/or *Carex vesicaria*); also, other grasses, rushes, and forbs with small patches of willow
Ecological site: R022AE209CA, Flooded Basins

7042—Tahoe complex, 0 to 5 percent slopes, gravelly

Map unit setting

General location: The riparian corridors all around the Tahoe Basin, most prevalent in the western part
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,215 to 7,725 feet (1,895 to 2,355 meters)
Mean annual precipitation: 23 to 61 inches (580 to 1,550 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 20 to 75 days

Map unit composition

Tahoe, gravelly—55 percent
Tahoe, gravelly, wet—25 percent
Minor components—20 percent

Characteristics of Tahoe, gravelly, and similar soils

Slope: 0 to 5 percent
Aspect: North
Landform: Flood plains and valley flats
Parent material: Alluvium derived from granitic and volcanic rocks
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 5.5 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: Occasional
Present annual ponding: Occasional
Surface runoff class: Very high
Current water table: Present
Natural drainage class: Poorly drained
Hydrologic soil group: A/D

Interpretive groups
Land capability (nonirrigated): 6w
Ecological site: R022AE214CA, Gravelly Flats

Typical profile
A1—0 to 10 inches (0 to 25 centimeters); mucky gravelly silt loam
A2—10 to 27 inches (25 to 68 centimeters); gravelly loam
Cg1—27 to 32 inches (68 to 82 centimeters); gravelly loamy fine sand
Cg2—32 to 46 inches (82 to 117 centimeters); gravelly fine sand

Characteristics of Tahoe, gravelly, wet, and similar soils

Slope: 0 to 5 percent
Aspect: North
Landform: Flood plains and valley flats
Parent material: Alluvium derived from granitic and volcanic rocks
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 5.5 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: Frequent
Present annual ponding: Frequent
Surface runoff class: Very high
Current water table: Present
Natural drainage class: Poorly drained
Hydrologic soil group: A/D

Interpretive groups
Land capability (nonirrigated): 6w
Ecological site: R022AE214CA, Gravelly Flats

Typical profile
A1—0 to 10 inches (0 to 25 centimeters); mucky gravelly silt loam
A2—10 to 27 inches (25 to 68 centimeters); gravelly loam
Cg1—27 to 32 inches (68 to 82 centimeters); gravelly loamy fine sand
Cg2—32 to 46 inches (82 to 117 centimeters); gravelly fine sand

Minor components

Marla and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

Riverwash
Extent: About 5 percent of the map unit
Slope: 0 to 5 percent
Typical vegetation: None assigned
Ecological site: None assigned

Tahoe silt loam and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 2 percent
Landform: Flood plains and valley flats

Typical vegetation: Moist meadows dominated by sedges, rushes, and grasses with a variety of forbs
Ecological site: R022AE208CA, Frigid Loamy Terrace

Watah and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 2 percent
Landform: Fens, flood plains, and valley flats
Typical vegetation: Seasonally flooded basins dominated by sedges (*Carex utriculata* and/or *Carex vesicaria*); also, other grasses, rushes, and forbs with small patches of willow
Ecological site: R022AE209CA, Flooded Basins

7043—Tahoe mucky silt loam, drained, 0 to 5 percent slopes

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, urban development, and grazing
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 6,360 feet (1,900 to 1,940 meters)
Mean annual precipitation: 23 to 25 inches (580 to 640 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 20 to 60 days

Map unit composition

Tahoe, drained—80 percent
Minor components—20 percent

Characteristics of Tahoe, drained, and similar soils

Slope: 0 to 2 percent
Aspect: North
Landform: Flood plains and valley flats
Parent material: Alluvium derived from granitic and volcanic rocks
Typical vegetation: Moist meadows dominated by sedges, rushes, and grasses with a variety of forbs
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 5.5 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Altered hydrology: Hydrology has been altered by stream channelization and subsequent head-cutting.
Present annual flooding: Occasional
Present annual ponding: Occasional
Surface runoff class: Very high
Current water table: Present
Natural drainage class: Very poorly drained
Hydrologic soil group: A/D

Interpretive groups
Land capability (nonirrigated): 5w
Ecological site: R022AE208CA, Frigid Loamy Terrace

Typical profile
A1—0 to 10 inches (0 to 25 centimeters); mucky silt loam
A2—10 to 27 inches (25 to 68 centimeters); loam
Cg1—27 to 32 inches (68 to 82 centimeters); loamy fine sand
Cg2—32 to 46 inches (82 to 117 centimeters); fine sand

Minor components

Marla and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

Tahoe, gravelly, and Tahoe silt loam, wet, and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 5 percent (Tahoe, gravelly); 0 to 2 percent (Tahoe silt loam, wet)
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

Watah and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 2 percent
Landform: Fens, flood plains, and valley flats
Typical vegetation: Seasonally flooded basins dominated by sedges (*Carex utriculata* and/or *Carex vesicaria*); also, other grasses, rushes, and forbs with small patches of willow
Ecological site: R022AE209CA, Flooded Basins

7051—Oxyaquic Xerorthents-Water association, 0 to 5 percent slopes

Map unit setting

General location: The Tahoe Keys
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,215 to 6,230 feet (1,895 to 1,900 meters)
Mean annual precipitation: 23 to 23 inches (580 to 580 millimeters)
Mean annual air temperature: 43 to 46 degrees F (6 to 8 degrees C)
Frost-free period: 40 to 60 days

Map unit composition

Oxyaquic Xerorthents—60 percent
Water—38 percent
Minor components—2 percent

Characteristics of Oxyaquic Xerorthents and similar soils

Slope: 0 to 5 percent
Aspect: North
Landform: Filled marshland
Parent material: Earthy fill derived from granodiorite
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 5.5 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: Present
Natural drainage class: Well drained
Hydrologic soil group: C

Interpretive groups
Land capability (nonirrigated): 6s
Ecological site: None assigned

Typical profile
C—0 to 36 inches (0 to 91 centimeters); very gravelly coarse sand
Ab1—36 to 44 inches (91 to 111 centimeters); mucky silt loam
Ab2—44 to 48 inches (111 to 121 centimeters); mucky silt loam
Ab3—48 to 53 inches (121 to 134 centimeters); gravelly coarse sand
Ab4—53 to 63 inches (134 to 159 centimeters); mucky silt loam

Characteristics of Water

Aspect: North
Typical vegetation: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Marla and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

Watah and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 2 percent
Landform: Fens, flood plains, and valley flats
Typical vegetation: Seasonally flooded basins dominated by sedges (*Carex utriculata* and/or *Carex vesicaria*); also, other grasses, rushes, and forbs with small patches of willow

Ecological site: R022AE209CA, Flooded Basins

7061—Urban land

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Urban
MLRA: 22A—Sierra Nevada Mountains
Elevation: 6,230 to 6345 feet (1,900 to 1935 meters)
Mean annual precipitation: 25 to 25 inches (640 to 640 millimeters)
Mean annual air temperature: 43 to 46 degrees F (6 to 8 degrees C)
Frost-free period: 25 to 125 days

Map unit composition

Urban land—100 percent

Characteristics of Urban land

Aspect: North
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted

Hydrologic properties
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

7071—Watah peat, 0 to 2 percent slopes

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,215 to 9,415 feet (1,895 to 2,870 meters)
Mean annual precipitation: 23 to 55 inches (580 to 1,400 millimeters)
Mean annual air temperature: 40 to 46 degrees F (4 to 8 degrees C)
Frost-free period: 20 to 60 days

Map unit composition

Watah—75 percent
Minor components—25 percent

Characteristics of Watah and similar soils

Slope: 0 to 2 percent
Aspect: North to southwest
Landform: Fens, flood plains, and valley flats
Parent material: Organic material over alluvium
Typical vegetation: Seasonally flooded basins dominated by sedges (*Carex utriculata*

and/or *Carex vesicaria*); also, other grasses, rushes, and forbs with small patches of willow
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 5.8 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: Frequent
Present annual ponding: Frequent
Surface runoff class: Very high
Current water table: Present
Natural drainage class: Very poorly drained
Hydrologic soil group: A/D

Interpretive groups
Land capability (nonirrigated): 5w
Ecological site: R022AE209CA, Flooded Basins

Typical profile
Oi—0 to 3 inches (0 to 8 centimeters); peat
Oe—3 to 8 inches (8 to 20 centimeters); mucky peat
A—8 to 15 inches (20 to 38 centimeters); mucky gravelly coarse sandy loam
C—15 to 63 inches (38 to 160 centimeters); gravelly loamy coarse sand

Minor components

Tahoe, gravelly, wet, and similar soils
Extent: About 9 percent of the map unit
Slope: 0 to 5 percent
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

Tahoe silt loam, wet, and similar soils
Extent: About 8 percent of the map unit
Slope: 0 to 2 percent
Landform: Flood plains and valley flats
Typical vegetation: Mosaic of Lemmon's willow and Geyer willow with open meadows of sedges and grasses
Ecological site: R022AE203CA, Frigid Loamy Floodplain

Marla and similar soils
Extent: About 3 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

Bidart, wet, and similar soils
Extent: About 2 percent of the map unit
Slope: 0 to 2 percent
Landform: Flood plains and valley flats
Typical vegetation: None assigned

Ecological site: R022AE207CA, Cold Wet Alluvial Flat

Water
Extent: About 2 percent of the map unit
Typical vegetation: None assigned
Ecological site: None assigned

Hellhole and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 2 percent
Landform: Fens
Typical vegetation: Sphagnum bogs dominated by a mat of floating Sphagnum moss; mountain blueberry, bog laurel, sedges, and a variety of alpine forbs growing on the mat
Ecological site: R022AE204CA, Sphagnum Fen

7101—Caverock sandy loam, 9 to 50 percent slopes

Map unit setting

General location: The eastern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 7,805 feet (1,900 to 2,380 meters)
Mean annual precipitation: 23 to 31 inches (580 to 790 millimeters)
Mean annual air temperature: 41 to 44 degrees F (5 to 6 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Caverock—80 percent
Minor components—20 percent

Characteristics of Caverock and similar soils

Slope: 9 to 50 percent
Aspect: East to northwest
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from latite
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Percentage of the surface covered by rock fragments: 0 percent
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 4.0 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: C

Interpretive groups

Land capability (nonirrigated): 7e

Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Typical profile

Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A—2 to 4 inches (5 to 10 centimeters); sandy loam
BA—4 to 11 inches (10 to 27 centimeters); sandy loam
Bw1—11 to 19 inches (27 to 47 centimeters); cobbly sandy loam
Bw2—19 to 26 inches (47 to 67 centimeters); sandy loam
Cr—26 to 36 inches (67 to 92 centimeters); soft bedrock

Minor components

Cagwin and similar soils

Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Cassenai gravelly loamy coarse sand and similar soils

Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Deerhill and similar soils

Extent: About 3 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Genoapeak and similar soils

Extent: About 2 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Southcamp and similar soils

Extent: About 2 percent of the map unit
Slope: 30 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory

Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Zephyrcove and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7111—Deerhill gravelly fine sandy loam, 9 to 30 percent slopes, very stony

Map unit setting

General location: The eastern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,280 to 7,970 feet (1,915 to 2,430 meters)
Mean annual precipitation: 23 to 31 inches (580 to 790 millimeters)
Mean annual air temperature: 40 to 44 degrees F (4 to 6 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Deerhill—80 percent
Minor components—20 percent

Characteristics of Deerhill and similar soils

Slope: 9 to 30 percent
Aspect: South to northeast
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from metavolcanic rocks
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Percentage of the surface covered by rock fragments: 0 to 5 percent by coarse gravel, 0 to 5 percent by stones, and 0 to 5 percent by cobbles
Restrictive feature: None noted
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 10.6 inches (very high)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High

Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A1—1 to 5 inches (3 to 24 centimeters); gravelly fine sandy loam
A2—5 to 9 inches (3 to 24 centimeters); fine sandy loam
Bw—9 to 35 inches (24 to 90 centimeters); fine sandy loam
2Bt1—35 to 51 inches (90 to 130 centimeters); loam
2Bt2—51 to 65 inches (130 to 166 centimeters); extremely paragravelly loam

Minor components

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Cagwin and similar soils
Extent: About 3 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Shakespeare and similar soils
Extent: About 3 percent of the map unit
Slope: 9 to 30 percent
Landform: Mountain slopes
Typical vegetation: Open woodland of red fir and Jeffrey pine with a dense cover of roundleaf snowberry, wax currant, mountain monardella, and silvery lupine
Ecological site: F022AE011CA, Abies magnifica-Pinus jeffreyi/Symphoricarpos rotundifolius-Ribes cereum/Lupinus argenteus

Southcamp and similar soils
Extent: About 3 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Zephyrcove and similar soils
Extent: About 3 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Genoapeak and similar soils
Extent: About 2 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7112—Deerhill gravelly fine sandy loam, 30 to 50 percent slopes, very stony

Map unit setting

General location: The eastern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,360 to 7,495 feet (1,940 to 2,285 meters)
Mean annual precipitation: 23 to 27 inches (580 to 690 millimeters)
Mean annual air temperature: 40 to 44 degrees F (4 to 6 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Deerhill—80 percent
Minor components—20 percent

Characteristics of Deerhill and similar soils

Slope: 30 to 50 percent
Aspect: South to north
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from metavolcanic rocks
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Percentage of the surface covered by rock fragments: 0 to 3 percent by cobbles and 0 to 3 percent by stones
Restrictive feature: None noted
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 10.6 inches (very high)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A1—1 to 5 inches (3 to 12 centimeters); gravelly fine sandy loam
A2—5 to 9 inches (12 to 24 centimeters); fine sandy loam
Bw—9 to 35 inches (24 to 90 centimeters); fine sandy loam
2Bt1—35 to 51 inches (90 to 130 centimeters); loam
2Bt2—51 to 65 inches (130 to 166 centimeters); extremely paragravelly loam

Minor components

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Cagwin and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Shakespeare and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountain slopes
Typical vegetation: Open woodland of red fir and Jeffrey pine with a dense cover of roundleaf snowberry, wax currant, mountain monardella, and silvery lupine
Ecological site: F022AE011CA, Abies magnifica-Pinus jeffreyi/Symphoricarpos rotundifolius-Ribes cereum/Lupinus argenteus

Southcamp and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory

Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Zephyrcove and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Genoapeak and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7121—Ellispeak-Rock outcrop complex, 9 to 30 percent slopes

Map unit setting

General location: The western part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,345 to 7,545 feet (1,935 to 2,300 meters)
Mean annual precipitation: 33 to 63 inches (840 to 1,600 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Ellispeak—45 percent
Rock outcrop, volcanic—40 percent
Minor components—15 percent

Characteristics of Ellispeak and similar soils

Slope: 9 to 30 percent
Aspect: Northeast to south
Landform: Glacial valley walls
Parent material: Colluvium derived from welded tuff and/or lahar
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir

Percentage of the surface covered by rock fragments: 0 to 15 percent by boulders, 0 to 15 percent by stones, 2 to 25 percent by cobbles, and 10 to 50 percent by coarse gravel
Depth to a restrictive feature (lithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Rapid above the bedrock
Available water capacity to a depth of 60 inches: About 0.8 inch (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: R022AE217CA, Volcanic Slopes

Typical profile
A1—0 to 2 inches (0 to 5 centimeters); stony fine sandy loam
A2—2 to 6 inches (5 to 15 centimeters); very cobbly sandy loam
Bw—6 to 12 inches (15 to 30 centimeters); extremely gravelly fine sandy loam
R—12 to 22 inches (30 to 55 centimeters); bedrock

Characteristics of Rock outcrop, volcanic

Slope: 9 to 30 percent
Aspect: Northeast to south
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Surface runoff class: Very high
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Waca and similar soils
Extent: About 10 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Kneeridge, well drained, and similar soils
Extent: About 2 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines

Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Paige and similar soils
Extent: About 2 percent of the map unit
Slope: 15 to 30 percent
Landform: Moraines
Typical vegetation: Forest of red fir and white fir with some Jeffrey pine; creeping snowberry, wax currant, and Brewer's aster commonly occurring in the understory
Ecological site: F022AE008CA, Abies magnifica-Abies concolor/Symphoricarpos mollis-Ribes cereum/Eucephalus breweri-Thalictrum fendleri

Tahoe, gravelly, and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

7122—Ellispeak-Rock outcrop complex, 30 to 50 percent slopes

Map unit setting

General location: The western part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,430 to 7,560 feet (1,960 to 2,305 meters)
Mean annual precipitation: 37 to 59 inches (940 to 1,500 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Ellispeak—45 percent
Rock outcrop, volcanic—40 percent
Minor components—15 percent

Characteristics of Ellispeak and similar soils

Slope: 30 to 50 percent
Aspect: Northeast to south
Landform: Glacial valley walls
Parent material: Colluvium derived from welded tuff and/or lahar
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Percentage of the surface covered by rock fragments: 0 to 15 percent by boulders, 10 to 50 percent by coarse gravel, 0 to 15 percent by stones, and 2 to 25 percent by cobbles
Depth to a restrictive feature (lithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Rapid above the bedrock
Available water capacity to a depth of 60 inches: About 0.8 inch (very low)

Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: R022AE217CA, Volcanic Slopes

Typical profile
A1—0 to 2 inches (0 to 5 centimeters); stony fine sandy loam
A2—2 to 6 inches (5 to 15 centimeters); very cobbly sandy loam
Bw—6 to 12 inches (15 to 30 centimeters); extremely gravelly fine sandy loam
R—12 to 22 inches (30 to 55 centimeters); bedrock

Characteristics of Rock outcrop, volcanic

Slope: 30 to 70 percent
Aspect: Northeast to south
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Surface runoff class: Very high
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Waca and similar soils
Extent: About 10 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Kneeridge, well drained, and similar soils
Extent: About 3 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit

Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Paige and similar soils
Extent: About 1 percent of the map unit
Slope: 30 to 60 percent
Landform: Moraines
Typical vegetation: Forest of red fir and white fir with some Jeffrey pine; creeping snowberry, wax currant, and Brewer's aster commonly occurring in the understory
Ecological site: F022AE008CA, Abies magnifica-Abies concolor/Symphoricarpos mollis-Ribes cereum/Eucephalus breweri-Thalictrum fendleri

7123—Ellispeak-Rock outcrop complex, 50 to 70 percent slopes

Map unit setting

General location: The western part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,510 to 7,625 feet (1,985 to 2,325 meters)
Mean annual precipitation: 35 to 63 inches (890 to 1,600 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Ellispeak—45 percent
Rock outcrop, volcanic—40 percent
Minor components—15 percent

Characteristics of Ellispeak and similar soils

Slope: 50 to 70 percent
Aspect: North to south
Landform: Glacial valley walls
Parent material: Colluvium derived from welded tuff and/or lahar
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Percentage of the surface covered by rock fragments: 2 to 25 percent by cobbles, 0 to 15 percent by boulders, 10 to 50 percent by coarse gravel, and 0 to 15 percent by stones
Depth to a restrictive feature (lithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Rapid above the bedrock
Available water capacity to a depth of 60 inches: About 0.8 inch (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Excessively drained

Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: R022AE217CA, Volcanic Slopes

Typical profile
A1—0 to 2 inches (0 to 5 centimeters); stony fine sandy loam
A2—2 to 6 inches (5 to 15 centimeters); very cobbly sandy loam
Bw—6 to 12 inches (15 to 30 centimeters); extremely gravelly fine sandy loam
R—12 to 22 inches (30 to 55 centimeters); bedrock

Characteristics of Rock outcrop, volcanic

Slope: 50 to 70 percent
Aspect: North to south
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Surface runoff class: Very high
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Waca and similar soils
Extent: About 10 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Kneeridge, well drained, and similar soils
Extent: About 3 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Paige and similar soils
Extent: About 1 percent of the map unit
Slope: 30 to 60 percent

Landform: Moraines
Typical vegetation: Forest of red fir and white fir with some Jeffrey pine; creeping snowberry, wax currant, and Brewer's aster commonly occurring in the understory
Ecological site: F022AE008CA, Abies magnifica-Abies concolor/Symphoricarpos mollis-Ribes cereum/Eucephalus breweri-Thalictrum fendleri

7131—Ellispeak-Waca complex, 9 to 30 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,380 to 7,705 feet (1,945 to 2,350 meters)
Mean annual precipitation: 23 to 63 inches (580 to 1,600 millimeters)
Mean annual air temperature: 40 to 46 degrees F (4 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Ellispeak—45 percent
Waca—40 percent
Minor components—15 percent

Characteristics of Ellispeak and similar soils

Slope: 9 to 30 percent
Aspect: Northeast to west
Landform: Glacial valley walls
Parent material: Colluvium derived from welded tuff and/or lahar
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Percentage of the surface covered by rock fragments: 0 to 15 percent by stones, 2 to 25 percent by cobbles, 10 to 50 percent by coarse gravel, and 0 to 15 percent by boulders
Depth to a restrictive feature (lithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Rapid above the bedrock
Available water capacity to a depth of 60 inches: About 0.8 inch (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: R022AE217CA, Volcanic Slopes

Typical profile
A1—0 to 2 inches (0 to 5 centimeters); stony fine sandy loam
A2—2 to 6 inches (5 to 15 centimeters); very cobbly sandy loam
Bw—6 to 12 inches (15 to 30 centimeters); extremely gravelly fine sandy loam

R—12 to 22 inches (30 to 55 centimeters); bedrock

Characteristics of Waca and similar soils

Slope: 9 to 30 percent
Aspect: Northeast to west
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum derived from andesitic tuff
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 0 to 10 percent by subangular stones, 0 to 10 percent by subangular cobbles, and 0 to 10 percent by coarse gravel
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Moderately rapid above the bedrock
Available water capacity to a depth of 60 inches: About 3.4 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 4e-7
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A1—2 to 11 inches (5 to 28 centimeters); very gravelly medial coarse sandy loam
A2—11 to 16 inches (28 to 41 centimeters); very gravelly medial coarse sandy loam
A3—16 to 23 inches (41 to 58 centimeters); very gravelly medial coarse sandy loam
Bw—23 to 38 inches (58 to 97 centimeters); very gravelly medial coarse sandy loam
Cr—38 to 48 inches (97 to 122 centimeters); soft bedrock

Minor components

Rock outcrop
Extent: About 10 percent of the map unit
Slope: 9 to 30 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Windy and similar soils
Extent: About 4 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory

Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7132—Ellispeak-Waca complex, 30 to 50 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,200 to 7,675 feet (1,890 to 2,340 meters)
Mean annual precipitation: 23 to 61 inches (580 to 1,550 millimeters)
Mean annual air temperature: 40 to 46 degrees F (4 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Ellispeak—45 percent
Waca—40 percent
Minor components—15 percent

Characteristics of Ellispeak and similar soils

Slope: 30 to 50 percent
Aspect: Southeast to east
Landform: Glacial valley walls
Parent material: Colluvium derived from welded tuff and/or lahar
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Percentage of the surface covered by rock fragments: 0 to 15 percent by boulders, 0 to 15 percent by stones, 2 to 25 percent by cobbles, and 10 to 50 percent by coarse gravel
Depth to a restrictive feature (lithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Rapid above the bedrock
Available water capacity to a depth of 60 inches: About 0.8 inch (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: R022AE217CA, Volcanic Slopes

Typical profile

A1—0 to 2 inches (0 to 5 centimeters); stony fine sandy loam
A2—2 to 6 inches (5 to 15 centimeters); very cobbly sandy loam
Bw—6 to 12 inches (15 to 30 centimeters); extremely gravelly fine sandy loam
R—12 to 22 inches (30 to 55 centimeters); bedrock

Characteristics of Waca and similar soils

Slope: 30 to 50 percent
Aspect: Southeast to east
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum derived from andesitic tuff
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 0 to 10 percent by subangular cobbles, 0 to 10 percent by subangular stones, and 0 to 10 percent by coarse gravel
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Moderately rapid above the bedrock
Available water capacity to a depth of 60 inches: About 3.4 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties

Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups

Land capability (nonirrigated): 6e
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile

Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A1—2 to 11 inches (5 to 28 centimeters); very gravelly medial coarse sandy loam
A2—11 to 16 inches (28 to 41 centimeters); very gravelly medial coarse sandy loam
A3—16 to 23 inches (41 to 58 centimeters); very gravelly medial coarse sandy loam
Bw—23 to 38 inches (58 to 97 centimeters); very gravelly medial coarse sandy loam
Cr—38 to 48 inches (97 to 122 centimeters); soft bedrock

Minor components

Rock outcrop

Extent: About 10 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Windy and similar soils

Extent: About 4 percent of the map unit

Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7133—Ellispeak-Waca complex, 50 to 70 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 7,610 feet (1,900 to 2,320 meters)
Mean annual precipitation: 23 to 55 inches (580 to 1,400 millimeters)
Mean annual air temperature: 40 to 46 degrees F (4 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Ellispeak—45 percent
Waca—40 percent
Minor components—15 percent

Characteristics of Ellispeak and similar soils

Slope: 50 to 70 percent
Aspect: South to west
Landform: Glacial valley walls
Parent material: Colluvium derived from welded tuff and/or lahar
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Percentage of the surface covered by rock fragments: 0 to 15 percent by stones, 0 to 15 percent by boulders, 2 to 25 percent by cobbles, and 10 to 50 percent by coarse gravel
Depth to a restrictive feature (lithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Rapid above the bedrock
Available water capacity to a depth of 60 inches: About 0.8 inch (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: R022AE217CA, Volcanic Slopes

Typical profile
A1—0 to 2 inches (0 to 5 centimeters); stony fine sandy loam
A2—2 to 6 inches (5 to 15 centimeters); very cobbly sandy loam
Bw—6 to 12 inches (15 to 30 centimeters); extremely gravelly fine sandy loam
R—12 to 22 inches (30 to 55 centimeters); bedrock

Characteristics of Waca and similar soils

Slope: 50 to 70 percent
Aspect: South to west
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum derived from andesitic tuff
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 0 to 10 percent by subangular stones, 0 to 10 percent by subangular cobbles, and 0 to 10 percent by coarse gravel
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Moderately rapid above the bedrock
Available water capacity to a depth of 60 inches: About 3.4 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A1—2 to 11 inches (5 to 28 centimeters); very gravelly medial coarse sandy loam
A2—11 to 16 inches (28 to 41 centimeters); very gravelly medial coarse sandy loam
A3—16 to 23 inches (41 to 58 centimeters); very gravelly medial coarse sandy loam
Bw—23 to 38 inches (58 to 97 centimeters); very gravelly medial coarse sandy loam
Cr—38 to 48 inches (97 to 122 centimeters); soft bedrock

Minor components

Rock outcrop
Extent: About 10 percent of the map unit
Slope: 50 to 70 percent
Landform: Mountains
Typical vegetation: None assigned

Ecological site: None assigned

Windy and similar soils
Extent: About 4 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7141—Inville gravelly coarse sandy loam, 2 to 9 percent slopes, stony

Map unit setting

General location: The northern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 6,955 feet (1,900 to 2,120 meters)
Mean annual precipitation: 19 to 33 inches (480 to 840 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 45 to 110 days

Map unit composition

Inville—80 percent
Minor components—20 percent

Characteristics of Inville and similar soils

Slope: 2 to 9 percent
Aspect: East to southwest
Landform: Hillslopes and outwash terraces
Parent material: Outwash derived from mixed sources
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Percentage of the surface covered by rock fragments: 0 to 3 percent by boulders, 0 to 3 percent by stones, and 0 to 3 percent by cobbles
Restrictive feature: None noted
Slowest permeability: Moderately rapid
Available water capacity to a depth of 60 inches: About 3.6 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low

Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 4e-1
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A—2 to 12 inches (5 to 30 centimeters); gravelly coarse sandy loam
Bt—12 to 37 inches (30 to 94 centimeters); extremely cobbly sandy loam
C—37 to 56 inches (94 to 142 centimeters); extremely gravelly loamy coarse sand

Minor components

Christopher loamy coarse sand and similar soils
Extent: About 10 percent of the map unit
Slope: 0 to 9 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 4 percent of the map unit
Slope: 5 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Jorge very gravelly sandy loam and similar soils
Extent: About 3 percent of the map unit
Slope: 2 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Kingsbeach and similar soils
Extent: About 2 percent of the map unit
Slope: 2 to 9 percent
Landform: Alluvial fans and lake terraces
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7142—Inville gravelly coarse sandy loam, 9 to 15 percent slopes, stony

Map unit setting

General location: The northern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 7,250 feet (1,900 to 2,210 meters)
Mean annual precipitation: 21 to 37 inches (530 to 940 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 45 to 110 days

Map unit composition

Inville—80 percent
Minor components—20 percent

Characteristics of Inville and similar soils

Slope: 9 to 15 percent
Aspect: East to southwest
Landform: Hillslopes and outwash terraces
Parent material: Outwash derived from mixed sources
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Percentage of the surface covered by rock fragments: 0 to 3 percent by stones, 0 to 3 percent by boulders, and 0 to 3 percent by cobbles
Restrictive feature: None noted
Slowest permeability: Moderately rapid
Available water capacity to a depth of 60 inches: About 3.6 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 4e-1
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Typical profile

Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A—2 to 12 inches (5 to 30 centimeters); gravelly coarse sandy loam
Bt—12 to 37 inches (30 to 94 centimeters); extremely cobbly sandy loam
C—37 to 56 inches (94 to 142 centimeters); extremely gravelly loamy coarse sand

Minor components

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 10 percent of the map unit
Slope: 5 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Christopher gravelly loamy coarse sand and similar soils
Extent: About 4 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Jorge very gravelly sandy loam and similar soils
Extent: About 3 percent of the map unit
Slope: 2 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Meeks, extremely bouldery, and similar soils
Extent: About 2 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7143—Inville gravelly coarse sandy loam, 15 to 30 percent slopes, stony

Map unit setting

General location: The northern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 7,460 feet (1,900 to 2,275 meters)
Mean annual precipitation: 23 to 39 inches (580 to 990 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 45 to 110 days

Map unit composition

Inville—80 percent
Minor components—20 percent

Characteristics of Inville and similar soils

Slope: 15 to 30 percent
Aspect: East to southwest
Landform: Hillslopes and outwash terraces
Parent material: Outwash derived from mixed sources
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Percentage of the surface covered by rock fragments: 0 to 3 percent by cobbles, 0 to 3 percent by stones, and 0 to 3 percent by boulders
Restrictive feature: None noted
Slowest permeability: Moderately rapid
Available water capacity to a depth of 60 inches: About 3.6 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 4e-1
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A—2 to 12 inches (5 to 30 centimeters); gravelly coarse sandy loam
Bt—12 to 37 inches (30 to 94 centimeters); extremely cobbly sandy loam
C—37 to 56 inches (94 to 142 centimeters); extremely gravelly loamy coarse sand

Minor components

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 10 percent of the map unit
Slope: 15 to 30 percent

Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Christopher gravelly loamy coarse sand and similar soils
Extent: About 4 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Jorge very gravelly sandy loam and similar soils
Extent: About 3 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Meeks, extremely bouldery, and similar soils
Extent: About 2 percent of the map unit
Slope: 15 to 30 percent
Landform: Moraines
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7151—Jorge very cobbly fine sandy loam, 5 to 15 percent slopes, rubbly

Map unit setting

General location: The northern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Landscape setting: Colluvial mountain slopes

Elevation: 6,230 to 7,970 feet (1,900 to 2,430 meters)
Mean annual precipitation: 23 to 41 inches (580 to 1,040 millimeters)
Mean annual air temperature: 40 to 46 degrees F (4 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Jorge very cobbly fine sandy loam—80 percent
Minor components—20 percent

Characteristics of Jorge very cobbly fine sandy loam and similar soils

Slope: 5 to 15 percent
Aspect: Northeast to southwest
Landform: Hillslopes and mountain slopes
Parent material: Colluvium derived from andesite
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 0 to 35 percent by coarse, angular gravel; 0 to 15 percent by angular boulders; 0 to 35 percent by angular stones; and 0 to 40 percent by angular cobbles
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 5.7 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 4e-4
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile
Oi—0 to 2 inches (0 to 6 centimeters); slightly decomposed plant material
A—2 to 9 inches (6 to 22 centimeters); very cobbly fine sandy loam
Bw1—9 to 28 inches (22 to 70 centimeters); very cobbly fine sandy loam
Bw2—28 to 34 inches (70 to 87 centimeters); very cobbly fine sandy loam
2Bt—34 to 59 inches (87 to 150 centimeters); very cobbly loam

Minor components

Tahoma and similar soils
Extent: About 5 percent of the map unit
Slope: 2 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita,

western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Waca and similar soils
Extent: About 5 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Jorge very cobbly loam and similar soils
Extent: About 4 percent of the map unit
Slope: 2 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Ellispeak and similar soils
Extent: About 2 percent of the map unit
Slope: 9 to 30 percent
Landform: Glacial valley walls
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Ecological site: R022AE217CA, Volcanic Slopes

Sky and similar soils
Extent: About 2 percent of the map unit
Slope: 9 to 30 percent
Landform: Mountain slopes
Typical vegetation: Subalpine mixed conifer forest with mountain hemlock, lodgepole pine, and red fir as the codominant species; a sparse understory that includes Brewer's aster, Ross' sedge, and several lupine species
Ecological site: F022AE019CA, Tsuga mertensiana-Abies magnifica/Eucephalus breweri

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Rock outcrop
Extent: About 1 percent of the map unit
Slope: 5 to 15 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

7152—Jorge very cobbly fine sandy loam, 15 to 30 percent slopes, rubbly

Map unit setting

General location: The northern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Landscape setting: Colluvial mountain slopes
Elevation: 6,200 to 8,100 feet (1,890 to 2,470 meters)
Mean annual precipitation: 23 to 55 inches (580 to 1,400 millimeters)
Mean annual air temperature: 40 to 46 degrees F (4 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Jorge very cobbly fine sandy loam—80 percent
Minor components—20 percent

Characteristics of Jorge very cobbly fine sandy loam and similar soils

Slope: 15 to 30 percent
Aspect: Northeast to southwest
Landform: Hillslopes and mountain slopes
Parent material: Colluvium derived from andesite
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 0 to 40 percent by angular cobbles, 0 to 35 percent by angular stones, 0 to 15 percent by angular boulders, and 0 to 35 percent by coarse, angular gravel
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 5.7 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile
Oi—0 to 2 inches (0 to 6 centimeters); slightly decomposed plant material
A—2 to 9 inches (6 to 22 centimeters); very cobbly fine sandy loam
Bw1—9 to 28 inches (22 to 70 centimeters); very cobbly fine sandy loam
Bw2—28 to 34 inches (70 to 87 centimeters); very cobbly fine sandy loam
2Bt—34 to 59 inches (87 to 150 centimeters); very cobbly loam

Minor components

Tahoma and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Waca and similar soils
Extent: About 5 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Jorge very cobbly loam and similar soils
Extent: About 4 percent of the map unit
Slope: 15 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Ellispeak and similar soils
Extent: About 2 percent of the map unit
Slope: 9 to 30 percent
Landform: Glacial valley walls
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Ecological site: R022AE217CA, Volcanic Slopes

Sky and similar soils
Extent: About 2 percent of the map unit
Slope: 9 to 30 percent
Landform: Mountain slopes
Typical vegetation: Subalpine mixed conifer forest with mountain hemlock, lodgepole pine, and red fir as the codominant species; a sparse understory that includes Brewer's aster, Ross' sedge, and several lupine species
Ecological site: F022AE019CA, Tsuga mertensiana-Abies magnifica/Eucephalus breweri

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Rock outcrop
Extent: About 1 percent of the map unit
Slope: 5 to 15 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

7153—Jorge very cobbly fine sandy loam, 30 to 50 percent slopes, rubbly

Map unit setting

General location: The northern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Landscape setting: Colluvial mountain slopes
Elevation: 6,230 to 8,070 feet (1,900 to 2,460 meters)
Mean annual precipitation: 23 to 53 inches (580 to 1,350 millimeters)
Mean annual air temperature: 40 to 46 degrees F (4 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Jorge very cobbly fine sandy loam—80 percent
Minor components—20 percent

Characteristics of Jorge very cobbly fine sandy loam and similar soils

Slope: 30 to 50 percent
Aspect: Northeast to west
Landform: Hillslopes and mountain slopes
Parent material: Colluvium derived from andesite
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 0 to 35 percent by coarse, angular gravel; 0 to 15 percent by angular boulders; 0 to 35 percent by angular stones; and 0 to 40 percent by angular cobbles
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 5.7 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile

Oi—0 to 2 inches (0 to 6 centimeters); slightly decomposed plant material
A—2 to 9 inches (6 to 22 centimeters); very cobbly fine sandy loam
Bw1—9 to 28 inches (22 to 70 centimeters); very cobbly fine sandy loam
Bw2—28 to 34 inches (70 to 87 centimeters); very cobbly fine sandy loam
2Bt—34 to 59 inches (87 to 150 centimeters); very cobbly loam

Minor components

Tahoma and similar soils

Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Waca and similar soils

Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Jorge very cobbly loam and similar soils

Extent: About 4 percent of the map unit
Slope: 15 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Ellispeak and similar soils

Extent: About 2 percent of the map unit
Slope: 30 to 50 percent
Landform: Glacial valley walls
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Ecological site: R022AE217CA, Volcanic Slopes

Sky and similar soils

Extent: About 2 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountain slopes
Typical vegetation: Subalpine mixed conifer forest with mountain hemlock, lodgepole pine, and red fir as the codominant species; a sparse understory that includes Brewer's aster, Ross' sedge, and several lupine species
Ecological site: F022AE019CA, Tsuga mertensiana-Abies magnifica/Eucephalus breweri

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Rock outcrop
Extent: About 1 percent of the map unit
Slope: 5 to 15 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

7154—Jorge very cobbly loam, 2 to 15 percent slopes, extremely stony

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 7,840 feet (1,900 to 2,390 meters)
Mean annual precipitation: 29 to 37 inches (740 to 940 millimeters)
Mean annual air temperature: 40 to 46 degrees F (4 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Jorge very cobbly loam—75 percent
Minor components—25 percent

Characteristics of Jorge very cobbly loam and similar soils

Slope: 2 to 15 percent
Aspect: East to southwest
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from volcanic rocks
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 8 to 25 percent by cobbles and 7 to 25 percent by stones
Restrictive feature: None noted
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 5.8 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups

Land capability (nonirrigated): 4e-4

Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile

Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material

A—1 to 15 inches (3 to 38 centimeters); very cobbly loam

Bt—15 to 45 inches (38 to 115 centimeters); very cobbly clay loam

BC—45 to 60 inches (115 to 152 centimeters); very cobbly loam

Minor components

Rubble land

Extent: About 10 percent of the map unit

Slope: 2 to 15 percent

Landform: Mountains

Typical vegetation: None assigned

Ecological site: None assigned

Tahoma and similar soils

Extent: About 5 percent of the map unit

Slope: 2 to 15 percent

Landform: Hillslopes and mountain slopes

Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory

Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Ellispeak and similar soils

Extent: About 3 percent of the map unit

Slope: 9 to 30 percent

Landform: Glacial valley walls

Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir

Ecological site: R022AE217CA, Volcanic Slopes

Rock outcrop

Extent: About 3 percent of the map unit

Slope: 2 to 15 percent

Landform: Mountains

Typical vegetation: None assigned

Ecological site: None assigned

Waca and similar soils

Extent: About 3 percent of the map unit

Slope: 9 to 30 percent

Landform: Hillslopes and mountain slopes

Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory

Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Tahoe, gravelly, and similar soils

Extent: About 1 percent of the map unit

Slope: 0 to 5 percent

Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

7155—Jorge very cobbly loam, 15 to 50 percent slopes, extremely stony

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 8,215 feet (1,900 to 2,505 meters)
Mean annual precipitation: 29 to 37 inches (740 to 940 millimeters)
Mean annual air temperature: 40 to 46 degrees F (4 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Jorge very cobbly loam—75 percent
Minor components—25 percent

Characteristics of Jorge very cobbly loam and similar soils

Slope: 15 to 50 percent
Aspect: Northeast to southwest
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from volcanic rocks
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 8 to 25 percent by cobbles and 7 to 25 percent by stones
Restrictive feature: None noted
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 5.8 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material

A—1 to 15 inches (3 to 38 centimeters); very cobbly loam
Bt—15 to 45 inches (38 to 115 centimeters); very cobbly clay loam
BC—45 to 60 inches (115 to 152 centimeters); very cobbly loam

Minor components

Rubble land
Extent: About 10 percent of the map unit
Slope: 2 to 15 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Tahoma and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Ellispeak and similar soils
Extent: About 3 percent of the map unit
Slope: 9 to 30 percent
Landform: Glacial valley walls
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Ecological site: R022AE217CA, Volcanic Slopes

Rock outcrop
Extent: About 3 percent of the map unit
Slope: 2 to 15 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Waca and similar soils
Extent: About 3 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Tahoe, gravelly, and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

7156—Jorge-Tahoma complex, 15 to 30 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,200 to 8,050 feet (1,890 to 2,455 meters)
Mean annual precipitation: 25 to 57 inches (640 to 1,450 millimeters)
Mean annual air temperature: 40 to 46 degrees F (4 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Jorge very gravelly sandy loam—45 percent
Tahoma—35 percent
Minor components—20 percent

Characteristics of Jorge very gravelly sandy loam and similar soils

Slope: 15 to 30 percent
Aspect: North to south
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from volcanic rocks
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 0 to 20 percent by subangular cobbles, 0 to 10 percent by subangular stones, and 0 to 20 percent by coarse, subangular gravel
Restrictive feature: None noted
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 6.4 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile
Oi—0 to 2 inches (0 to 4 centimeters); slightly decomposed plant material
A—2 to 24 inches (4 to 60 centimeters); very gravelly sandy loam
BA—24 to 32 inches (60 to 81 centimeters); very gravelly loam
Bt1—32 to 48 inches (81 to 122 centimeters); very gravelly loam
Bt2—48 to 84 inches (122 to 213 centimeters); very gravelly sandy loam

Characteristics of Tahoma and similar soils

Slope: 15 to 30 percent
Aspect: North to south
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from andesite
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 0 to 5 percent by cobbles and 0 to 5 percent by stones
Depth to a restrictive feature (lithic bedrock): 40 to 80 inches (102 to 203 centimeters)
Slowest permeability: Slow above the bedrock
Available water capacity to a depth of 60 inches: About 8.7 inches (high)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile
Oi—0 to 3 inches (0 to 8 centimeters); slightly decomposed plant material
A1—3 to 14 inches (8 to 36 centimeters); very cobbly sandy loam
A2—14 to 22 inches (36 to 56 centimeters); very cobbly sandy loam
BA—22 to 38 inches (56 to 97 centimeters); gravelly loam
Bt1—38 to 59 inches (97 to 150 centimeters); gravelly clay loam
Bt2—59 to 71 inches (150 to 180 centimeters); clay loam
R—71 to 81 inches (180 to 205 centimeters); bedrock

Minor components

Waca and similar soils
Extent: About 10 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Inville and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory

Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Rubble land
Extent: About 2 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Ellispeak and similar soils
Extent: About 1 percent of the map unit
Slope: 9 to 30 percent
Landform: Glacial valley walls
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Ecological site: R022AE217CA, Volcanic Slopes

Rock outcrop
Extent: About 1 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Tahoe, gravelly, and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

7157—Jorge-Tahoma complex, 30 to 50 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,200 to 8,215 feet (1,890 to 2,505 meters)
Mean annual precipitation: 25 to 53 inches (640 to 1,350 millimeters)
Mean annual air temperature: 40 to 46 degrees F (4 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Jorge very gravelly sandy loam—55 percent
Tahoma—25 percent
Minor components—20 percent

Characteristics of Jorge very gravelly sandy loam and similar soils

Slope: 30 to 50 percent
Aspect: Northwest to southeast
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from volcanic rocks

Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 0 to 20 percent by subangular cobbles, 0 to 10 percent by subangular stones, and 0 to 20 percent by coarse, subangular gravel
Restrictive feature: None noted
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 6.4 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile
Oi—0 to 2 inches (0 to 4 centimeters); slightly decomposed plant material
A—2 to 24 inches (4 to 60 centimeters); very gravelly sandy loam
BA—24 to 32 inches (60 to 81 centimeters); very gravelly loam
Bt1—32 to 48 inches (81 to 122 centimeters); very gravelly loam
Bt2—48 to 84 inches (122 to 213 centimeters); very gravelly sandy loam

Characteristics of Tahoma and similar soils

Slope: 30 to 50 percent
Aspect: Northwest to southeast
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from andesite
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 0 to 5 percent by cobbles and 0 to 5 percent by stones
Depth to a restrictive feature (lithic bedrock): 40 to 80 inches (102 to 203 centimeters)
Slowest permeability: Slow above the bedrock
Available water capacity to a depth of 60 inches: About 8.7 inches (high)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups

Land capability (nonirrigated): 7e

Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile

Oi—0 to 3 inches (0 to 8 centimeters); slightly decomposed plant material
A1—3 to 14 inches (8 to 36 centimeters); very cobbly sandy loam
A2—14 to 22 inches (36 to 56 centimeters); very cobbly sandy loam
BA—22 to 38 inches (56 to 97 centimeters); gravelly loam
Bt1—38 to 59 inches (97 to 150 centimeters); gravelly clay loam
Bt2—59 to 71 inches (150 to 180 centimeters); clay loam
R—71 to 81 inches (180 to 205 centimeters); bedrock

Minor components

Waca and similar soils

Extent: About 10 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Inville and similar soils

Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Rubble land

Extent: About 2 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Ellispeak and similar soils

Extent: About 1 percent of the map unit
Slope: 30 to 50 percent
Landform: Glacial valley walls
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Ecological site: R022AE217CA, Volcanic Slopes

Rock outcrop

Extent: About 1 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Tahoe, gravelly, and similar soils

Extent: About 1 percent of the map unit

Slope: 0 to 5 percent
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

7161—Kingsbeach stony sandy loam, 2 to 15 percent slopes

Map unit setting

General location: The northern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,215 to 6,705 feet (1,895 to 2,045 meters)
Mean annual precipitation: 23 to 33 inches (580 to 840 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 30 to 80 days

Map unit composition

Kingsbeach—80 percent
Minor components—20 percent

Characteristics of Kingsbeach and similar soils

Slope: 2 to 15 percent
Aspect: East to southwest
Landform: Alluvial fans and lake terraces
Parent material: Alluvium and/or colluvium derived from andesite over lacustrine deposits
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 0 to 5 percent by coarse, subangular gravel; 0 to 5 percent by subangular cobbles; and 0 to 3 percent by subangular stones
Restrictive feature: None noted
Slowest permeability: Impermeable
Available water capacity to a depth of 60 inches: About 9.8 inches (high)
Shrink-swell potential: High (LEP 6 to 9)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: Present
Natural drainage class: Moderately well drained
Hydrologic soil group: C

Interpretive groups
Land capability (nonirrigated): 4e-1
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 6 inches (3 to 15 centimeters); stony sandy loam
Bt1—6 to 20 inches (15 to 51 centimeters); loam
2Bt2—20 to 30 inches (51 to 76 centimeters); sandy clay loam
2C—30 to 61 inches (76 to 155 centimeters); clay loam

Minor components

Tahoma and similar soils
Extent: About 10 percent of the map unit
Slope: 2 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Jorge very gravelly sandy loam and similar soils
Extent: About 8 percent of the map unit
Slope: 2 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Beaches
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Beaches
Typical vegetation: Scant forbs and/or grasses
Ecological site: None assigned

Dunes
Extent: About 1 percent of the map unit
Slope: 5 to 15 percent
Typical vegetation: None assigned
Ecological site: None assigned

7171—Kneeridge gravelly medial sandy loam, 2 to 9 percent slopes, extremely stony

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 7,115 feet (1,900 to 2,170 meters)
Mean annual precipitation: 31 to 61 inches (790 to 1,550 millimeters)
Mean annual air temperature: 40 to 46 degrees F (4 to 8 degrees C)

Frost-free period: 40 to 90 days

Map unit composition

Kneeridge, extremely stony—80 percent
Minor components—20 percent

Characteristics of Kneeridge, extremely stony, and similar soils

Slope: 2 to 9 percent
Aspect: Northwest to southeast
Landform: Moraines
Parent material: Colluvium and/or till derived from andesite
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 5 to 15 percent by stones, 2 to 10 percent by cobbles, and 5 to 25 percent by coarse gravel
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 9.5 inches (high)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Moderately well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 4e-7
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile
Oi—0 to 2 inches (0 to 6 centimeters); slightly decomposed plant material
A—2 to 16 inches (6 to 40 centimeters); gravelly medial sandy loam
Bw—16 to 39 inches (40 to 100 centimeters); gravelly medial sandy loam
C—39 to 79 inches (100 to 200 centimeters); gravelly sandy loam

Minor components

Jorge very gravelly sandy loam and similar soils
Extent: About 9 percent of the map unit
Slope: 2 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Paige and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines

Typical vegetation: Forest of red fir and white fir with some Jeffrey pine; creeping snowberry, wax currant, and Brewer's aster commonly occurring in the understory
Ecological site: F022AE008CA, Abies magnifica-Abies concolor/Symphoricarpos mollis-Ribes cereum/Eucephalus breweri-Thalictrum fendleri

Waca and similar soils
Extent: About 5 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Tahoe, gravelly, and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

7172—Kneeridge gravelly medial sandy loam, well drained, 5 to 15 percent slopes, very stony

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 6,770 feet (1,900 to 2,065 meters)
Mean annual precipitation: 31 to 33 inches (790 to 840 millimeters)
Mean annual air temperature: 40 to 46 degrees F (4 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Kneeridge, well drained—80 percent
Minor components—20 percent

Characteristics of Kneeridge, well drained, and similar soils

Slope: 5 to 15 percent
Aspect: Northeast to southeast
Landform: Moraines
Parent material: Colluvium and/or till derived from andesite
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 1 to 5 percent by stones, 2 to 10 percent by cobbles, and 5 to 25 percent by coarse gravel
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 9.5 inches (high)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 4e-7
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile
Oi—0 to 2 inches (0 to 6 centimeters); slightly decomposed plant material
A—2 to 16 inches (6 to 40 centimeters); gravelly medial sandy loam
Bw—16 to 39 inches (40 to 100 centimeters); gravelly medial sandy loam
C—39 to 79 inches (100 to 200 centimeters); gravelly sandy loam

Minor components

Jorge very gravelly sandy loam and similar soils
Extent: About 9 percent of the map unit
Slope: 2 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Paige and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: Forest of red fir and white fir with some Jeffrey pine; creeping snowberry, wax currant, and Brewer's aster commonly occurring in the understory
Ecological site: F022AE008CA, Abies magnifica-Abies concolor/Symphoricarpos mollis-Ribes cereum/Eucephalus breweri-Thalictrum fendleri

Waca and similar soils
Extent: About 5 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Tahoe, gravelly, and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

7173—Kneeridge gravelly medial sandy loam, 2 to 5 percent slopes, very stony

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,215 to 6,640 feet (1,895 to 2,025 meters)
Mean annual precipitation: 31 to 61 inches (790 to 1,550 millimeters)
Mean annual air temperature: 40 to 46 degrees F (4 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Kneeridge, very stony—80 percent
Minor components—20 percent

Characteristics of Kneeridge, very stony, and similar soils

Slope: 2 to 5 percent
Aspect: Northwest to southeast
Landform: Moraines
Parent material: Colluvium and/or till derived from andesite
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 2 to 10 percent by cobbles, 5 to 25 percent by coarse gravel, and 0 to 3 percent by stones
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 9.5 inches (high)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very low
Current water table: None noted
Natural drainage class: Moderately well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 4e-7
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile
Oi—0 to 2 inches (0 to 6 centimeters); slightly decomposed plant material
A—2 to 16 inches (6 to 40 centimeters); gravelly medial sandy loam
Bw—16 to 39 inches (40 to 100 centimeters); gravelly medial sandy loam
C—39 to 79 inches (100 to 200 centimeters); gravelly sandy loam

Minor components

Jorge very gravelly sandy loam and similar soils
Extent: About 9 percent of the map unit
Slope: 2 to 15 percent
Landform: Hillslopes and mountain slopes

Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Paige and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: Forest of red fir and white fir with some Jeffrey pine; creeping snowberry, wax currant, and Brewer's aster commonly occurring in the understory
Ecological site: F022AE008CA, Abies magnifica-Abies concolor/Symphoricarpos mollis-Ribes cereum/Eucephalus breweri-Thalictrum fendleri

Waca and similar soils
Extent: About 5 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Tahoe, gravelly, and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

7174—Kneeridge gravelly medial sandy loam, 5 to 15 percent slopes, very stony

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 7,115 feet (1,900 to 2,170 meters)
Mean annual precipitation: 31 to 61 inches (790 to 1,550 millimeters)
Mean annual air temperature: 40 to 46 degrees F (4 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Kneeridge, very stony—80 percent
Minor components—20 percent

Characteristics of Kneeridge, very stony, and similar soils

Slope: 5 to 15 percent
Aspect: Northeast to south

Landform: Moraines
Parent material: Colluvium and/or till derived from andesite
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 0 to 3 percent by stones, 2 to 10 percent by cobbles, and 5 to 25 percent by coarse gravel
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 9.5 inches (high)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Moderately well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 4e-7
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile
Oi—0 to 2 inches (0 to 6 centimeters); slightly decomposed plant material
A—2 to 16 inches (6 to 40 centimeters); gravelly medial sandy loam
Bw—16 to 39 inches (40 to 100 centimeters); gravelly medial sandy loam
C—39 to 79 inches (100 to 200 centimeters); gravelly sandy loam

Minor components

Jorge very gravelly sandy loam and similar soils
Extent: About 9 percent of the map unit
Slope: 2 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Paige and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: Forest of red fir and white fir with some Jeffrey pine; creeping snowberry, wax currant, and Brewer's aster commonly occurring in the understory
Ecological site: F022AE008CA, Abies magnifica-Abies concolor/Symphoricarpos mollis-Ribes cereum/Eucephalus breweri-Thalictrum fendleri

Waca and similar soils
Extent: About 5 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes

Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Tahoe, gravelly, and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

7181—Paige medial sandy loam, 5 to 15 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,280 to 7,230 feet (1,915 to 2,205 meters)
Mean annual precipitation: 33 to 63 inches (840 to 1,600 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Paige—80 percent
Minor components—20 percent

Characteristics of Paige and similar soils

Slope: 5 to 15 percent
Aspect: Northwest to south
Landform: Moraines
Parent material: Colluvium over till derived from volcanic rocks
Typical vegetation: Forest of red fir and white fir with some Jeffrey pine; creeping snowberry, wax currant, and Brewer's aster commonly occurring in the understory
Percentage of the surface covered by rock fragments: 0 to 1 percent by subrounded cobbles and 0 to 1 percent by stones
Depth to a restrictive feature (densic bedrock): 59 to 79 inches (150 to 200 centimeters)
Slowest permeability: Impermeable
Available water capacity to a depth of 60 inches: About 9.1 inches (high)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 4e-1

Ecological site: F022AE008CA, Abies magnifica-Abies concolor/Symphoricarpos mollis-Ribes cereum/Eucephalus breweri-Thalictrum fendleri

Typical profile

Oi—0 to 3 inches (0 to 8 centimeters); slightly decomposed plant material
A—3 to 20 inches (8 to 51 centimeters); medial sandy loam
Bw1—20 to 48 inches (51 to 122 centimeters); cobbly medial sandy loam
2Bw2—48 to 62 inches (122 to 157 centimeters); cobbly loam
Cd—62 to 80 inches (157 to 204 centimeters); extremely stony coarse sandy loam

Minor components

Kneeridge, well drained, and similar soils
Extent: About 7 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Jorge very gravelly sandy loam and similar soils
Extent: About 6 percent of the map unit
Slope: 2 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Tahoe, gravelly, and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 5 percent
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

Waca and similar soils
Extent: About 2 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

7182—Paige medial sandy loam, 15 to 30 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains

Landscape: Mountains
Elevation: 6,230 to 7,330 feet (1,900 to 2,235 meters)
Mean annual precipitation: 31 to 63 inches (790 to 1,600 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Paige—80 percent
Minor components—20 percent

Characteristics of Paige and similar soils

Slope: 15 to 30 percent
Aspect: Northeast to south
Landform: Moraines
Parent material: Colluvium over till derived from volcanic rocks
Typical vegetation: Forest of red fir and white fir with some Jeffrey pine; creeping snowberry, wax currant, and Brewer's aster commonly occurring in the understory
Percentage of the surface covered by rock fragments: 0 to 1 percent by subrounded cobbles and 0 to 1 percent by stones
Depth to a restrictive feature (densic bedrock): 59 to 79 inches (150 to 200 centimeters)
Slowest permeability: Impermeable
Available water capacity to a depth of 60 inches: About 9.1 inches (high)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE008CA, Abies magnifica-Abies concolor/Symphoricarpos mollis-Ribes cereum/Eucephalus breweri-Thalictrum fendleri

Typical profile
Oi—0 to 3 inches (0 to 8 centimeters); slightly decomposed plant material
A—3 to 20 inches (8 to 51 centimeters); medial sandy loam
Bw1—20 to 48 inches (51 to 122 centimeters); cobbly medial sandy loam
2Bw2—48 to 62 inches (122 to 157 centimeters); cobbly loam
Cd—62 to 80 inches (157 to 204 centimeters); extremely stony coarse sandy loam

Minor components

Jorge very gravelly sandy loam and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory

Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Tahoma and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Waca and similar soils
Extent: About 5 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Kneeridge, well drained, and similar soils
Extent: About 4 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Tahoe, gravelly, and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

7183—Paige medial sandy loam, 30 to 50 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,315 to 7,445 feet (1,925 to 2,270 meters)
Mean annual precipitation: 33 to 61 inches (840 to 1,550 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Paige—84 percent
Minor components—16 percent

Characteristics of Paige and similar soils

Slope: 30 to 60 percent
Aspect: Northwest to south
Landform: Moraines
Parent material: Colluvium over till derived from volcanic rocks
Typical vegetation: Forest of red fir and white fir with some Jeffrey pine; creeping snowberry, wax currant, and Brewer's aster commonly occurring in the understory
Percentage of the surface covered by rock fragments: 0 to 1 percent by subrounded cobbles and 0 to 1 percent by stones
Depth to a restrictive feature (densic bedrock): 59 to 79 inches (150 to 200 centimeters)
Slowest permeability: Impermeable
Available water capacity to a depth of 60 inches: About 9.1 inches (high)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE008CA, Abies magnifica-Abies concolor/Symphoricarpos mollis-Ribes cereum/Eucephalus breweri-Thalictrum fendleri

Typical profile
Oi—0 to 3 inches (0 to 8 centimeters); slightly decomposed plant material
A—3 to 20 inches (8 to 51 centimeters); medial sandy loam
Bw1—20 to 48 inches (51 to 122 centimeters); cobbly medial sandy loam
2Bw2—48 to 62 inches (122 to 157 centimeters); cobbly loam
Cd—62 to 80 inches (157 to 204 centimeters); extremely stony coarse sandy loam

Minor components

Jorge very gravelly sandy loam and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Tahoma and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita,

western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Waca and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Tahoe, gravelly, and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

7191—Rock outcrop, volcanic

Map unit setting

General location: The northern, western, and southern parts of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 9,970 feet (1,900 to 3,040 meters)
Mean annual precipitation: 31 to 63 inches (790 to 1,600 millimeters)
Mean annual air temperature: 38 to 46 degrees F (4 to 8 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Rock outcrop, volcanic—90 percent
Minor components—10 percent

Characteristics of Rock outcrop, volcanic

Slope: 15 to 70 percent
Aspect: Northwest to south
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Surface runoff class: Very high
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Glenalpine and similar soils
Extent: About 2 percent of the map unit
Slope: 50 to 90 percent
Landform: Glacial valley walls and mountain slopes
Typical vegetation: Huckleberry oak shrubland with a few Jeffrey pine, Sierra juniper, and western white pine trees
Ecological site: R022AE213CA, Steep Talus Slope

Lithnip and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: R022AY012NV, Barren Slope 20+ p.z.

Meiss and similar soils
Extent: About 2 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountains
Typical vegetation: Low sagebrush with a diversity of low-growing shrubs, forbs, and grasses
Ecological site: R022AE211CA, Shallow Andesite Ridge

Melody and similar soils
Extent: About 2 percent of the map unit
Slope: 15 to 70 percent
Landform: Mountain slopes
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Ecological site: R022AE219CA, Cryic Volcanic Slope

Rubble land
Extent: About 2 percent of the map unit
Slope: 15 to 70 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

7201—Rubble land-Glenalpine complex, 50 to 90 percent slopes

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,215 to 9,150 feet (1,895 to 2,790 meters)
Mean annual precipitation: 33 to 61 inches (840 to 1,550 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Rubble land, talus—45 percent

Glenalpine—40 percent
Minor components—15 percent

Characteristics of Rubble land, talus

Slope: 50 to 90 percent
Aspect: Northeast to south
Landform: Glacial valley walls and mountains
Typical vegetation: None assigned
Restrictive feature: None noted

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Characteristics of Glenalpine and similar soils

Slope: 50 to 90 percent
Aspect: Northeast to south
Landform: Glacial valley walls and mountain slopes
Parent material: Colluvium derived from volcanic and metamorphic rocks over till
Typical vegetation: Huckleberry oak shrubland with a few Jeffrey pine, Sierra juniper, and western white pine trees
Percentage of the surface covered by rock fragments: 15 to 45 percent by coarse gravel, 15 to 45 percent by cobbles, 5 to 25 percent by stones, and 0 to 10 percent by boulders
Depth to a restrictive feature (densic bedrock): 39 to 59 inches (100 to 150 centimeters)
Slowest permeability: Impermeable
Available water capacity to a depth of 60 inches: About 3.5 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: R022AE213CA, Steep Talus Slope

Typical profile
A—0 to 11 inches (0 to 29 centimeters); very cobbly fine sandy loam
Bw—11 to 40 inches (29 to 102 centimeters); extremely cobbly fine sandy loam
C—40 to 50 inches (102 to 128 centimeters); extremely cobbly fine sandy loam
Cd—50 to 59 inches (128 to 150 centimeters); extremely cobbly fine sandy loam

Minor components

Rock outcrop
Extent: About 10 percent of the map unit
Slope: 50 to 80 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Rockbound very stony loam and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 70 percent
Landform: Glacial valley walls
Typical vegetation: Scattered Sierra juniper and Jeffrey pine trees with huckleberry oak and greenleaf manzanita in pockets and a high diversity of annuals and perennials
Ecological site: R022AE202CA, Granitic Pocket

7211—Southcamp very gravelly fine sandy loam, 50 to 70 percent slopes

Map unit setting

General location: The eastern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,315 to 7,560 feet (1,925 to 2,305 meters)
Mean annual precipitation: 25 to 29 inches (640 to 740 millimeters)
Mean annual air temperature: 40 to 45 degrees F (4 to 7 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Southcamp—80 percent
Minor components—20 percent

Characteristics of Southcamp and similar soils

Slope: 50 to 70 percent
Aspect: Southwest to northeast
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from volcanic rocks
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 0 to 5 percent by cobbles
Restrictive feature: None noted
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 2.8 inches (low)
Shrink-swell potential: Moderate (LEP of 3 to less than 6)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High

Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A—2 to 4 inches (5 to 10 centimeters); very gravelly fine sandy loam
E—4 to 15 inches (10 to 38 centimeters); extremely cobbly loam
Bt1—15 to 34 inches (38 to 87 centimeters); extremely cobbly clay loam
Bt2—34 to 53 inches (87 to 134 centimeters); extremely stony clay loam
Bt3—53 to 60 inches (134 to 152 centimeters); extremely stony clay loam

Minor components

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Genoapeak and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 80 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Zephyrcove and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Cagwin and similar soils
Extent: About 2 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Deerhill and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes

Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7221—Tahoma very cobbly sandy loam, 2 to 15 percent slopes, very stony

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,360 to 7,755 feet (1,940 to 2,365 meters)
Mean annual precipitation: 25 to 43 inches (640 to 1,090 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Tahoma—80 percent
Minor components—20 percent

Characteristics of Tahoma and similar soils

Slope: 2 to 15 percent
Aspect: Northeast to south
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from andesite
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 0 to 5 percent by stones and 0 to 5 percent by cobbles
Depth to a restrictive feature (lithic bedrock): 40 to 80 inches (102 to 203 centimeters)
Slowest permeability: Slow above the bedrock
Available water capacity to a depth of 60 inches: About 8.7 inches (high)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups

Land capability (nonirrigated): 4e-7

Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile

Oi—0 to 3 inches (0 to 8 centimeters); slightly decomposed plant material
A1—3 to 14 inches (8 to 36 centimeters); very cobbly sandy loam
A2—14 to 22 inches (36 to 56 centimeters); very cobbly sandy loam
BA—22 to 38 inches (56 to 97 centimeters); gravelly loam
Bt1—38 to 59 inches (97 to 150 centimeters); gravelly clay loam
Bt2—59 to 71 inches (150 to 180 centimeters); clay loam
R—71 to 81 inches (180 to 205 centimeters); bedrock

Minor components

Waca and similar soils

Extent: About 10 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Inville and similar soils

Extent: About 4 percent of the map unit
Slope: 9 to 15 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Rubble land

Extent: About 3 percent of the map unit
Slope: 2 to 15 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Aquic Xerorthents and similar soils

Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Ellispeak and similar soils

Extent: About 1 percent of the map unit
Slope: 9 to 30 percent
Landform: Glacial valley walls
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Ecological site: R022AE217CA, Volcanic Slopes

Rock outcrop

Extent: About 1 percent of the map unit

Slope: 2 to 15 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

7222—Tahoma-Jorge complex, 2 to 15 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,200 to 7,820 feet (1,890 to 2,385 meters)
Mean annual precipitation: 25 to 53 inches (640 to 1,350 millimeters)
Mean annual air temperature: 40 to 46 degrees F (4 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Tahoma—50 percent
Jorge very gravelly sandy loam—30 percent
Minor components—20 percent

Characteristics of Tahoma and similar soils

Slope: 2 to 15 percent
Aspect: Northeast to south
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from andesite
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 0 to 5 percent by cobbles and 0 to 5 percent by stones
Depth to a restrictive feature (lithic bedrock): 40 to 80 inches (102 to 203 centimeters)
Slowest permeability: Slow above the bedrock
Available water capacity to a depth of 60 inches: About 8.7 inches (high)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 4e-7
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile
Oi—0 to 3 inches (0 to 8 centimeters); slightly decomposed plant material
A1—3 to 14 inches (8 to 36 centimeters); very cobbly sandy loam
A2—14 to 22 inches (36 to 56 centimeters); very cobbly sandy loam

BA—22 to 38 inches (56 to 97 centimeters); gravelly loam
Bt1—38 to 59 inches (97 to 150 centimeters); gravelly clay loam
Bt2—59 to 71 inches (150 to 180 centimeters); clay loam
R—71 to 81 inches (180 to 205 centimeters); bedrock

Characteristics of Jorge very gravelly sandy loam and similar soils

Slope: 2 to 15 percent
Aspect: Northeast to south
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from volcanic rocks
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 0 to 20 percent by subangular cobbles; 0 to 20 percent by coarse, subangular gravel; and 0 to 10 percent by subangular stones
Restrictive feature: None noted
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 6.4 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 4e-4
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile
Oi—0 to 2 inches (0 to 4 centimeters); slightly decomposed plant material
A—2 to 24 inches (4 to 60 centimeters); very gravelly sandy loam
BA—24 to 32 inches (60 to 81 centimeters); very gravelly loam
Bt1—32 to 48 inches (81 to 122 centimeters); very gravelly loam
Bt2—48 to 84 inches (122 to 213 centimeters); very gravelly sandy loam

Minor components

Waca and similar soils
Extent: About 10 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Inville and similar soils
Extent: About 5 percent of the map unit
Slope: 9 to 15 percent
Landform: Hillslopes and outwash terraces

Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Rubble land
Extent: About 2 percent of the map unit
Slope: 2 to 15 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Ellispeak and similar soils
Extent: About 1 percent of the map unit
Slope: 9 to 30 percent
Landform: Glacial valley walls
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Ecological site: R022AE217CA, Volcanic Slopes

Rock outcrop
Extent: About 1 percent of the map unit
Slope: 2 to 15 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Tahoe, gravelly, and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

7231—Waca very gravelly medial coarse sandy loam, 9 to 30 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 7,790 feet (1,900 to 2,375 meters)
Mean annual precipitation: 25 to 63 inches (640 to 1,600 millimeters)
Mean annual air temperature: 40 to 45 degrees F (4 to 7 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Waca—80 percent
Minor components—20 percent

Characteristics of Waca and similar soils

Slope: 9 to 30 percent
Aspect: West to south

Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum derived from andesitic tuff
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 0 to 10 percent by subangular stones, 0 to 10 percent by subangular cobbles, and 0 to 10 percent by coarse gravel
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Moderately rapid above the bedrock
Available water capacity to a depth of 60 inches: About 3.4 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 4e-7
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A1—2 to 11 inches (5 to 28 centimeters); very gravelly medial coarse sandy loam
A2—11 to 16 inches (28 to 41 centimeters); very gravelly medial coarse sandy loam
A3—16 to 23 inches (41 to 58 centimeters); very gravelly medial coarse sandy loam
Bw—23 to 38 inches (58 to 97 centimeters); very gravelly medial coarse sandy loam
Cr—38 to 48 inches (97 to 122 centimeters); soft bedrock

Minor components

Ellispeak and similar soils
Extent: About 5 percent of the map unit
Slope: 9 to 30 percent
Landform: Glacial valley walls
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Ecological site: R022AE217CA, Volcanic Slopes

Rock outcrop
Extent: About 5 percent of the map unit
Slope: 9 to 30 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Windy and similar soils
Extent: About 5 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes

Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Kneeridge, well drained, and similar soils
Extent: About 2 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Paige and similar soils
Extent: About 2 percent of the map unit
Slope: 15 to 30 percent
Landform: Moraines
Typical vegetation: Forest of red fir and white fir with some Jeffrey pine; creeping snowberry, wax currant, and Brewer's aster commonly occurring in the understory
Ecological site: F022AE008CA, Abies magnifica-Abies concolor/Symphoricarpos mollis-Ribes cereum/Eucephalus breweri-Thalictrum fendleri

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7232—Waca very gravelly medial coarse sandy loam, 30 to 50 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, forestland, urban development, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,280 to 7,610 feet (1,915 to 2,320 meters)
Mean annual precipitation: 25 to 63 inches (640 to 1,600 millimeters)
Mean annual air temperature: 40 to 45 degrees F (4 to 7 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Waca—80 percent
Minor components—20 percent

Characteristics of Waca and similar soils

Slope: 30 to 50 percent
Aspect: West to southeast
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum derived from andesitic tuff

Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 0 to 10 percent by coarse gravel, 0 to 10 percent by subangular cobbles, and 0 to 10 percent by subangular stones
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Moderately rapid above the bedrock
Available water capacity to a depth of 60 inches: About 3.4 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A1—2 to 11 inches (5 to 28 centimeters); very gravelly medial coarse sandy loam
A2—11 to 16 inches (28 to 41 centimeters); very gravelly medial coarse sandy loam
A3—16 to 23 inches (41 to 58 centimeters); very gravelly medial coarse sandy loam
Bw—23 to 38 inches (58 to 97 centimeters); very gravelly medial coarse sandy loam
Cr—38 to 48 inches (97 to 122 centimeters); soft bedrock

Minor components

Ellispeak and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Glacial valley walls
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Ecological site: R022AE217CA, Volcanic Slopes

Rock outcrop
Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Windy and similar soils
Extent: About 4 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory

Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Kneeridge, well drained, and similar soils
Extent: About 2 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Paige and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 60 percent
Landform: Moraines
Typical vegetation: Forest of red fir and white fir with some Jeffrey pine; creeping snowberry, wax currant, and Brewer's aster commonly occurring in the understory
Ecological site: F022AE008CA, Abies magnifica-Abies concolor/Symphoricarpos mollis-Ribes cereum/Eucephalus breweri-Thalictrum fendleri

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Typic Epiaquents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Mountain slopes
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7233—Waca very gravelly medial coarse sandy loam, 50 to 70 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, forestland, urban development, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,430 to 7,610 feet (1,960 to 2,320 meters)
Mean annual precipitation: 33 to 61 inches (840 to 1,550 millimeters)
Mean annual air temperature: 40 to 45 degrees F (4 to 7 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Waca—80 percent
Minor components—20 percent

Characteristics of Waca and similar soils

Slope: 50 to 70 percent
Aspect: West to east
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum derived from andesitic tuff
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 0 to 10 percent by subangular stones, 0 to 10 percent by subangular cobbles, and 0 to 10 percent by coarse gravel
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Moderately rapid above the bedrock
Available water capacity to a depth of 60 inches: About 3.4 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A1—2 to 11 inches (5 to 28 centimeters); very gravelly medial coarse sandy loam
A2—11 to 16 inches (28 to 41 centimeters); very gravelly medial coarse sandy loam
A3—16 to 23 inches (41 to 58 centimeters); very gravelly medial coarse sandy loam
Bw—23 to 38 inches (58 to 97 centimeters); very gravelly medial coarse sandy loam
Cr—38 to 48 inches (97 to 122 centimeters); soft bedrock

Minor components

Ellispeak and similar soils
Extent: About 5 percent of the map unit
Slope: 50 to 70 percent
Landform: Glacial valley walls
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Ecological site: R022AE217CA, Volcanic Slopes

Rock outcrop
Extent: About 5 percent of the map unit
Slope: 50 to 70 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Windy and similar soils
Extent: About 5 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Kneeridge, well drained, and similar soils
Extent: About 2 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Paige and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 60 percent
Landform: Moraines
Typical vegetation: Forest of red fir and white fir with some Jeffrey pine; creeping snowberry, wax currant, and Brewer's aster commonly occurring in the understory
Ecological site: F022AE008CA, Abies magnifica-Abies concolor/Symphoricarpos mollis-Ribes cereum/Eucephalus breweri-Thalictrum fendleri

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7241—Zephyrcove-Southcamp-Genoapeak complex, 9 to 30 percent slopes

Map unit setting

General location: The eastern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,315 to 7,575 feet (1,925 to 2,310 meters)
Mean annual precipitation: 23 to 29 inches (580 to 740 millimeters)
Mean annual air temperature: 40 to 45 degrees F (4 to 7 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Zephyrcove—50 percent
Southcamp—20 percent
Genoapeak—17 percent
Minor components—13 percent

Characteristics of Zephyrcove and similar soils

Slope: 9 to 30 percent
Aspect: Southeast to west
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from trachyte
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Percentage of the surface covered by rock fragments: 5 to 10 percent by boulders, 10 to 15 percent by stones, and 1 to 5 percent by cobbles
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Slow above the bedrock
Available water capacity to a depth of 60 inches: About 6.1 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: C

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Typical profile
Oi—0 to 2 inches (0 to 6 centimeters); slightly decomposed plant material
Oe—2 to 4 inches (6 to 11 centimeters); moderately decomposed plant material
A—4 to 7 inches (11 to 18 centimeters); stony sandy loam
BA—7 to 16 inches (18 to 41 centimeters); stony sandy loam
Bt—16 to 35 inches (41 to 88 centimeters); gravelly sandy clay loam
Cr—35 to 44 inches (88 to 113 centimeters); soft bedrock

Characteristics of Southcamp and similar soils

Slope: 9 to 30 percent
Aspect: Southeast to west
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from volcanic rocks
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 0 to 5 percent by cobbles
Restrictive feature: None noted
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 2.8 inches (low)
Shrink-swell potential: Moderate (LEP of 3 to less than 6)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None

Surface runoff class: High
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 4e-7
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A—2 to 4 inches (5 to 10 centimeters); very gravelly fine sandy loam
E—4 to 15 inches (10 to 38 centimeters); extremely cobbly loam
Bt1—15 to 34 inches (38 to 87 centimeters); extremely cobbly clay loam
Bt2—34 to 53 inches (87 to 134 centimeters); extremely stony clay loam
Bt3—53 to 60 inches (134 to 152 centimeters); extremely stony clay loam

Characteristics of Genoapeak and similar soils

Slope: 9 to 30 percent
Aspect: Southeast to west
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from trachyte
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Percentage of the surface covered by rock fragments: 2 to 10 percent by cobbles and 50 to 85 percent by coarse gravel
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 1.8 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: R022AE210CA, Shallow Sandy Slope

Typical profile
Oi—0 to 2 inches (0 to 4 centimeters); slightly decomposed plant material
A—2 to 4 inches (4 to 10 centimeters); very gravelly sandy loam
Bw—4 to 7 inches (10 to 19 centimeters); very gravelly coarse sandy loam
C1—7 to 16 inches (19 to 40 centimeters); cobbles
C2—16 to 60 inches (40 to 152 centimeters); cobbles

Minor components

Cagwin and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes

Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Deerhill and similar soils
Extent: About 2 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7242—Zephyrcove-Southcamp-Genoapeak complex, 30 to 70 percent slopes

Map unit setting

General location: The eastern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,330 to 7,560 feet (1,930 to 2,305 meters)
Mean annual precipitation: 25 to 29 inches (640 to 740 millimeters)
Mean annual air temperature: 40 to 45 degrees F (4 to 7 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Zephyrcove—50 percent
Southcamp—20 percent
Genoapeak—17 percent
Minor components—13 percent

Characteristics of Zephyrcove and similar soils

Slope: 30 to 70 percent
Aspect: East to west
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from trachyte

Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Percentage of the surface covered by rock fragments: 5 to 10 percent by boulders, 1 to 5 percent by cobbles, and 10 to 15 percent by stones
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Slow above the bedrock
Available water capacity to a depth of 60 inches: About 6.1 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: C

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Typical profile
Oi—0 to 2 inches (0 to 6 centimeters); slightly decomposed plant material
Oe—2 to 4 inches (6 to 11 centimeters); moderately decomposed plant material
A—4 to 7 inches (11 to 18 centimeters); stony sandy loam
BA—7 to 16 inches (18 to 41 centimeters); stony sandy loam
Bt—16 to 35 inches (41 to 88 centimeters); gravelly sandy clay loam
Cr—35 to 44 inches (88 to 113 centimeters); soft bedrock

Characteristics of Southcamp and similar soils

Slope: 30 to 70 percent
Aspect: East to west
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from volcanic rocks
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 0 to 5 percent by cobbles
Restrictive feature: None noted
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 2.8 inches (low)
Shrink-swell potential: Moderate (LEP of 3 to less than 6)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 7e

Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile

Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A—2 to 4 inches (5 to 10 centimeters); very gravelly fine sandy loam
E—4 to 15 inches (10 to 38 centimeters); extremely cobbly loam
Bt1—15 to 34 inches (38 to 87 centimeters); extremely cobbly clay loam
Bt2—34 to 53 inches (87 to 134 centimeters); extremely stony clay loam
Bt3—53 to 60 inches (134 to 152 centimeters); extremely stony clay loam

Characteristics of Genoapeak and similar soils

Slope: 30 to 70 percent
Aspect: East to west
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over residuum weathered from trachyte
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Percentage of the surface covered by rock fragments: 50 to 85 percent by coarse gravel and 2 to 10 percent by cobbles
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 1.8 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties

Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: A

Interpretive groups

Land capability (nonirrigated): 7e
Ecological site: R022AE210CA, Shallow Sandy Slope

Typical profile

Oi—0 to 2 inches (0 to 4 centimeters); slightly decomposed plant material
A—2 to 4 inches (4 to 10 centimeters); very gravelly sandy loam
Bw—4 to 7 inches (10 to 19 centimeters); very gravelly coarse sandy loam
C1—7 to 16 inches (19 to 40 centimeters); cobbles
C2—16 to 60 inches (40 to 152 centimeters); cobbles

Minor components

Cagwin and similar soils

Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Cassenai gravelly loamy coarse sand and similar soils

Extent: About 5 percent of the map unit

Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Deerhill and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7401—Burnlake-Roadcat association, 4 to 30 percent slopes

Map unit setting

Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountain valleys or canyons
Elevation: 7,000 to 7,995 feet (2,134 to 2,438 meters)
Mean annual precipitation: 30 to 45 inches (762 to 1,143 millimeters)
Mean annual air temperature: 39 to 45 degrees F (4 to 7 degrees C)
Frost-free period: 40 to 70 days

Map unit composition

Burnlake—60 percent
Roadcat—25 percent
Minor components—15 percent

Characteristics of Burnlake and similar soils

Slope: 8 to 30 percent
Aspect: None noted
Landform: Moraines
Parent material: Till derived from mixed rock sources
Typical vegetation: An overstory of Jeffrey pine with an understory of mountain big sagebrush, snowberry, currant, and perennial forbs
Percentage of the surface covered by rock fragments: 0 to 10 percent by cobbles, 0 to 10 percent by stones, 2 to 8 percent by boulders, and 35 to 55 percent by coarse gravel
Restrictive feature: None noted
Slowest permeability: Moderately rapid
Available water capacity to a depth of 60 inches: About 3.0 inches (low)

Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
- *Present annual flooding:* None
- *Present annual ponding:* None
- *Surface runoff class:* Low
- *Current water table:* None noted
- *Natural drainage class:* Well drained
- *Hydrologic soil group:* A

Interpretive groups
- *Land capability (nonirrigated):* 6s
- *Ecological site:* F022AY116NV, Pinus jeffreyi-Abies concolor var. lowiana/ Artemisia tridentata ssp. vaseyana/Achnatherum occidentale ssp. occidentale

Typical profile
- A1—0 to 2 inches (0 to 6 centimeters); extremely gravelly sandy loam
- A2—2 to 17 inches (6 to 43 centimeters); extremely gravelly sandy loam
- Bw—17 to 26 inches (43 to 66 centimeters); extremely gravelly coarse sandy loam
- C—26 to 60 inches (66 to 152 centimeters); extremely gravelly loamy sand

Characteristics of Roadcat and similar soils

Slope: 4 to 30 percent
Aspect: None noted
Landform: Moraines
Parent material: Till derived from mixed rock sources
Typical vegetation: An overstory of lodgepole pine with an understory of mountain big sagebrush
Percentage of the surface covered by rock fragments: 1 to 10 percent by stones, 0 to 10 percent by cobbles, 5 to 25 percent by coarse gravel, 10 to 30 percent by fine gravel, and 0 to 10 percent by boulders
Restrictive feature: None noted
Slowest permeability: Rapid
Available water capacity to a depth of 60 inches: About 2.7 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
- *Present annual flooding:* None
- *Present annual ponding:* None
- *Surface runoff class:* Low
- *Current water table:* None noted
- *Natural drainage class:* Somewhat excessively drained
- *Hydrologic soil group:* A

Interpretive groups
- *Land capability (nonirrigated):* 6s
- *Ecological site:* F022AY102NV, Pinus contorta/Artemisia tridentata ssp. vaseyana-Ribes/Carex-Achnatherum

Typical profile
- A—0 to 8 inches (0 to 20 centimeters); extremely gravelly loamy coarse sand
- Bw—8 to 19 inches (20 to 48 centimeters); extremely gravelly coarse sandy loam
- C1—19 to 36 inches (48 to 91 centimeters); extremely gravelly loamy coarse sand
- C2—36 to 60 inches (91 to 152 centimeters); extremely gravelly loamy coarse sand

Minor components

Hardtil and similar soils
Extent: About 4 percent of the map unit
Slope: 8 to 30 percent
Landform: Mountains
Typical vegetation: Lodgepole pine and mountain big sagebrush
Ecological site: F022AY102NV, Pinus contorta/Artemisia tridentata ssp. vaseyana-Ribes/Carex-Achnatherum

Aquic Haplocryolls and similar soils
Extent: About 2 percent of the map unit
Slope: 4 to 30 percent
Landform: Moraines
Typical vegetation: Quaking aspen, streambank wheatgrass, slender wheatgrass, Nevada bluegrass, Woods' rose, willow, carex, and perennial forbs
Ecological site: F022AY104NV, Populus tremuloides/Salix-Rosa woodsii/Poa-Elymus trachycaulus ssp. trachycaulus

Aspetill and similar soils
Extent: About 2 percent of the map unit
Slope: 8 to 30 percent
Landform: Moraines
Typical vegetation: Quaking aspen, mountain brome, slender wheatgrass, snowberry, and perennial forbs
Ecological site: F022AY103NV, Populus tremuloides/Symphoricarpos/Bromus marginatus-Elymus trachycaulus ssp. trachycaulus

Cumulic Cryaquolls and similar soils
Extent: About 2 percent of the map unit
Slope: 8 to 30 percent
Landform: Moraines
Typical vegetation: Creeping bentgrass, perennial forbs, bluegrass, Baltic rush, tufted hairgrass, carex, and perennial grasses
Ecological site: R022AY017NV, Semi-Wet Meadow

Stumpatil and similar soils
Extent: About 2 percent of the map unit
Slope: 8 to 30 percent
Landform: Moraines
Typical vegetation: California red fir, lodgepole pine, snowberry, wild mint, currant, mountain brome, lupine, western needlegrass, and mountain big sagebrush
Ecological site: F022AY118NV, Abies magnifica-Pinus contorta/Artemisia tridentata ssp. vaseyana/Bromus marginatus-Achnatherum occidentale ssp. occidentale

Typic Haploxerepts and similar soils
Extent: About 2 percent of the map unit
Slope: 4 to 30 percent
Landform: Moraines
Typical vegetation: Western needlegrass, carex, bluegrass, and mountain big sagebrush
Ecological site: R022AY013NV, Gravelly Outwash

Rock outcrop
Extent: About 1 percent of the map unit
Slope: 15 to 99 percent
Landform: Mountains

Typical vegetation: None assigned
Ecological site: None assigned

7411—Cagwin-Rock outcrop complex, 5 to 15 percent slopes, extremely stony

Map unit setting

General location: The eastern and southern parts of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 8,200 feet (1,900 to 2,500 meters)
Mean annual precipitation: 21 to 53 inches (530 to 1,350 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Cagwin—50 percent
Rock outcrop, granitic—20 percent
Minor components—30 percent

Characteristics of Cagwin and similar soils

Slope: 5 to 15 percent
Aspect: East to northwest
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over grus derived from granodiorite
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Percentage of the surface covered by rock fragments: 1 to 25 percent by cobbles, 1 to 10 percent by boulders, 1 to 25 percent by coarse gravel, and 1 to 10 percent by stones
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.1 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
- *Present annual flooding:* None
- *Present annual ponding:* None
- *Surface runoff class:* Low
- *Current water table:* None noted
- *Natural drainage class:* Somewhat excessively drained
- *Hydrologic soil group:* B

Interpretive groups
- *Land capability (nonirrigated):* 6s
- *Ecological site:* F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Typical profile
- Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
- A—1 to 9 inches (3 to 23 centimeters); gravelly loamy coarse sand

AC—9 to 13 inches (23 to 33 centimeters); gravelly loamy coarse sand
C—13 to 27 inches (33 to 69 centimeters); gravelly coarse sand
Cr—27 to 37 inches (69 to 94 centimeters); soft bedrock

Characteristics of Rock outcrop, granitic

Slope: 5 to 15 percent
Aspect: East to northwest
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Surface runoff class: Very high
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 10 percent of the map unit
Slope: 5 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Toem and similar soils
Extent: About 10 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Dagget very gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Temo and similar soils
Extent: About 2 percent of the map unit
Slope: 5 to 15 percent
Landform: Mountain slopes
Typical vegetation: Red fir, lodgepole pine, and western white pine over low-growing sub-shrubs and grasses, such as sulphur-flowered buckwheat and needlegrasses

Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Witefels and similar soils
Extent: About 2 percent of the map unit
Slope: 5 to 15 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Marla and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

7412—Cagwin-Rock outcrop complex, 15 to 30 percent slopes, extremely stony

Map unit setting

General location: The eastern and southern parts of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 8,300 feet (1,900 to 2,530 meters)
Mean annual precipitation: 19 to 53 inches (480 to 1,350 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Cagwin—50 percent
Rock outcrop, granitic—20 percent
Minor components—30 percent

Characteristics of Cagwin and similar soils

Slope: 15 to 30 percent
Aspect: East to northwest
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over grus derived from granodiorite
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Percentage of the surface covered by rock fragments: 1 to 10 percent by stones, 1 to 25 percent by cobbles, 1 to 25 percent by coarse gravel, and 1 to 10 percent by boulders
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Very slow above the bedrock

Available water capacity to a depth of 60 inches: About 2.1 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 9 inches (3 to 23 centimeters); gravelly loamy coarse sand
AC—9 to 13 inches (23 to 33 centimeters); gravelly loamy coarse sand
C—13 to 27 inches (33 to 69 centimeters); gravelly coarse sand
Cr—27 to 37 inches (69 to 94 centimeters); soft bedrock

Characteristics of Rock outcrop, granitic

Slope: 15 to 30 percent
Aspect: East to northwest
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Surface runoff class: Very high
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 10 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Toem and similar soils
Extent: About 10 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees

Ecological site: R022AE210CA, Shallow Sandy Slope

Dagget very gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Temo and similar soils
Extent: About 2 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountain slopes
Typical vegetation: Red fir, lodgepole pine, and western white pine over low-growing sub-shrubs and grasses, such as sulphur-flowered buckwheat and needlegrasses
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Witefels and similar soils
Extent: About 2 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Marla and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

7413—Cagwin-Rock outcrop complex, 30 to 50 percent slopes, extremely stony

Map unit setting

General location: The eastern and southern parts of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 8,315 feet (1,900 to 2,535 meters)
Mean annual precipitation: 19 to 55 inches (480 to 1,400 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Cagwin—50 percent
Rock outcrop, granitic—20 percent

Minor components—30 percent

Characteristics of Cagwin and similar soils

Slope: 30 to 50 percent
Aspect: East to northwest
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over grus derived from granodiorite
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Percentage of the surface covered by rock fragments: 1 to 25 percent by coarse gravel, 1 to 25 percent by cobbles, 1 to 10 percent by boulders, and 1 to 10 percent by stones
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.1 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 9 inches (3 to 23 centimeters); gravelly loamy coarse sand
AC—9 to 13 inches (23 to 33 centimeters); gravelly loamy coarse sand
C—13 to 27 inches (33 to 69 centimeters); gravelly coarse sand
Cr—27 to 37 inches (69 to 94 centimeters); soft bedrock

Characteristics of Rock outcrop, granitic

Slope: 30 to 50 percent
Aspect: East to northwest
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Surface runoff class: Very high
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 10 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Toem and similar soils
Extent: About 10 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Dagget very gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Temo and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountain slopes
Typical vegetation: Red fir, lodgepole pine, and western white pine over low-growing sub-shrubs and grasses, such as sulphur-flowered buckwheat and needlegrasses
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Witefels and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Marla and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

7414—Cagwin-Rock outcrop complex, 50 to 70 percent slopes, extremely stony

Map unit setting

General location: The eastern and southern parts of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 8,460 feet (1,900 to 2,580 meters)
Mean annual precipitation: 19 to 53 inches (480 to 1,350 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Cagwin—50 percent
Rock outcrop, granitic—20 percent
Minor components—30 percent

Characteristics of Cagwin and similar soils

Slope: 50 to 70 percent
Aspect: South to west
Landform: Hillslopes and mountain slopes
Parent material: Colluvium over grus derived from granodiorite
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Percentage of the surface covered by rock fragments: 1 to 10 percent by stones, 1 to 10 percent by boulders, 1 to 25 percent by coarse gravel, and 1 to 25 percent by cobbles
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.1 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 9 inches (3 to 23 centimeters); gravelly loamy coarse sand
AC—9 to 13 inches (23 to 33 centimeters); gravelly loamy coarse sand
C—13 to 27 inches (33 to 69 centimeters); gravelly coarse sand
Cr—27 to 37 inches (69 to 94 centimeters); soft bedrock

Characteristics of Rock outcrop, granitic

Slope: 50 to 70 percent
Aspect: South to west
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Surface runoff class: Very high
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 10 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Toem and similar soils
Extent: About 10 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Dagget very gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 50 to 70 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Temo and similar soils
Extent: About 2 percent of the map unit
Slope: 50 to 70 percent
Landform: Mountain slopes
Typical vegetation: Red fir, lodgepole pine, and western white pine over low-growing sub-shrubs and grasses, such as sulphur-flowered buckwheat and needlegrasses
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Witefels and similar soils
Extent: About 2 percent of the map unit
Slope: 50 to 70 percent

Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Marla and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

7421—Cassenai gravelly loamy coarse sand, 5 to 15 percent slopes, very stony

Map unit setting

General location: The southern and eastern parts of the Tahoe Basin
Major uses: Forestland, watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 7,920 feet (1,900 to 2,415 meters)
Mean annual precipitation: 21 to 43 inches (530 to 1,090 millimeters)
Mean annual air temperature: 42 to 46 degrees F (6 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Cassenai gravelly loamy coarse sand—78 percent
Minor components—22 percent

Characteristics of Cassenai gravelly loamy coarse sand and similar soils

Slope: 5 to 15 percent
Aspect: South to northwest
Landform: Hillslopes and mountain slopes
Parent material: Colluvium derived from granodiorite
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Percentage of the surface covered by rock fragments: 0 to 25 percent by coarse gravel, 0 to 5 percent by cobbles, 0 to 3 percent by stones, and 0 to 2 percent by boulders
Restrictive feature: None noted
Slowest permeability: Moderately rapid
Available water capacity to a depth of 60 inches: About 4.4 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Somewhat excessively drained

Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6s
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Typical profile
Oi—0 to 1 inch (0 to 2 centimeters); slightly decomposed plant material
A—1 to 6 inches (2 to 16 centimeters); gravelly loamy coarse sand
Bw—6 to 43 inches (16 to 110 centimeters); gravelly loamy coarse sand
C—43 to 79 inches (110 to 200 centimeters); gravelly loamy coarse sand

Minor components

Cagwin and similar soils
Extent: About 12 percent of the map unit
Slope: 5 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Toem and similar soils
Extent: About 4 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Rock outcrop
Extent: About 3 percent of the map unit
Slope: 5 to 15 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Christopher gravelly loamy coarse sand and loamy coarse sand and similar soils
Extent: For each of the two components, about 1 percent of the map unit
Slope: 9 to 30 percent in areas of gravelly loamy coarse sand and 0 to 5 percent in areas of loamy coarse sand
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Marla and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory

Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

7422—Cassenai gravelly loamy coarse sand, 15 to 30 percent slopes, very stony

Map unit setting

General location: The southern and eastern parts of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 7,985 feet (1,900 to 2,435 meters)
Mean annual precipitation: 21 to 49 inches (530 to 1,240 millimeters)
Mean annual air temperature: 42 to 46 degrees F (6 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Cassenai gravelly loamy coarse sand—73 percent
Minor components—27 percent

Characteristics of Cassenai gravelly loamy coarse sand and similar soils

Slope: 15 to 30 percent
Aspect: South to north
Landform: Hillslopes and mountain slopes
Parent material: Colluvium derived from granodiorite
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Percentage of the surface covered by rock fragments: 0 to 25 percent by coarse gravel, 0 to 5 percent by cobbles, 0 to 3 percent by stones, and 0 to 2 percent by boulders
Restrictive feature: None noted
Slowest permeability: Moderately rapid
Available water capacity to a depth of 60 inches: About 4.4 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
- *Present annual flooding:* None
- *Present annual ponding:* None
- *Surface runoff class:* Medium
- *Current water table:* None noted
- *Natural drainage class:* Somewhat excessively drained
- *Hydrologic soil group:* A

Interpretive groups
- *Land capability (nonirrigated):* 6e
- *Ecological site:* F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Typical profile
- Oi—0 to 1 inch (0 to 2 centimeters); slightly decomposed plant material
- A—1 to 6 inches (2 to 16 centimeters); gravelly loamy coarse sand
- Bw—6 to 43 inches (16 to 110 centimeters); gravelly loamy coarse sand
- C—43 to 79 inches (110 to 200 centimeters); gravelly loamy coarse sand

Minor components

Cagwin and similar soils
Extent: About 12 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Dagget very gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Toem and similar soils
Extent: About 4 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Aquic Xerorthents and similar soils
Extent: About 2 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Christopher gravelly loamy coarse sand and similar soils
Extent: About 2 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Rock outcrop
Extent: About 2 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

7423—Cassenai gravelly loamy coarse sand, 30 to 50 percent slopes, very stony

Map unit setting

General location: The southern and eastern parts of the Tahoe Basin

Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 8,115 feet (1,900 to 2,475 meters)
Mean annual precipitation: 19 to 47 inches (480 to 1,190 millimeters)
Mean annual air temperature: 42 to 46 degrees F (6 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Cassenai gravelly loamy coarse sand—78 percent
Minor components—22 percent

Characteristics of Cassenai gravelly loamy coarse sand and similar soils

Slope: 30 to 50 percent
Aspect: Southwest to north
Landform: Hillslopes and mountain slopes
Parent material: Colluvium derived from granodiorite
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Percentage of the surface covered by rock fragments: 0 to 2 percent by boulders, 0 to 3 percent by stones, 0 to 5 percent by cobbles, and 0 to 25 percent by coarse gravel
Restrictive feature: None noted
Slowest permeability: Moderately rapid
Available water capacity to a depth of 60 inches: About 4.4 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Typical profile
Oi—0 to 1 inch (0 to 2 centimeters); slightly decomposed plant material
A—1 to 6 inches (2 to 16 centimeters); gravelly loamy coarse sand
Bw—6 to 43 inches (16 to 110 centimeters); gravelly loamy coarse sand
C—43 to 79 inches (110 to 200 centimeters); gravelly loamy coarse sand

Minor components

Cagwin and similar soils
Extent: About 12 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Toem and similar soils
Extent: About 4 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Rock outcrop
Extent: About 3 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Christopher gravelly loamy coarse sand and similar soils
Extent: About 2 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7424—Cassenai gravelly loamy coarse sand, 50 to 70 percent slopes, very stony

Map unit setting

General location: The southern and eastern parts of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 8,395 feet (1,900 to 2,560 meters)
Mean annual precipitation: 21 to 53 inches (530 to 1,350 millimeters)
Mean annual air temperature: 42 to 46 degrees F (6 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Cassenai gravelly loamy coarse sand—78 percent
Minor components—22 percent

Characteristics of Cassenai gravelly loamy coarse sand and similar soils

Slope: 50 to 70 percent
Aspect: Southwest to northwest
Landform: Hillslopes and mountain slopes
Parent material: Colluvium derived from granodiorite

Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Percentage of the surface covered by rock fragments: 0 to 2 percent by boulders, 0 to 3 percent by stones, 0 to 5 percent by cobbles, and 0 to 25 percent by coarse gravel
Restrictive feature: None noted
Slowest permeability: Moderately rapid
Available water capacity to a depth of 60 inches: About 4.4 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Typical profile
Oi—0 to 1 inch (0 to 2 centimeters); slightly decomposed plant material
A—1 to 6 inches (2 to 16 centimeters); gravelly loamy coarse sand
Bw—6 to 43 inches (16 to 110 centimeters); gravelly loamy coarse sand
C—43 to 79 inches (110 to 200 centimeters); gravelly loamy coarse sand

Minor components

Cagwin and similar soils
Extent: About 12 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Toem and similar soils
Extent: About 5 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Rock outcrop
Extent: About 4 percent of the map unit
Slope: 50 to 70 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent

Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7425—Cassenai cobbly loamy coarse sand, moist, 5 to 15 percent slopes, very bouldery

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Forestland, watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,495 to 9,280 feet (2,285 to 2,830 meters)
Mean annual precipitation: 31 to 51 inches (790 to 1,300 millimeters)
Mean annual air temperature: 41 to 45 degrees F (5 to 7 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Cassenai, moist—80 percent
Minor components—20 percent

Characteristics of Cassenai, moist, and similar soils

Slope: 5 to 15 percent
Aspect: South to northeast
Landform: Hillslopes and mountain slopes
Parent material: Colluvium derived from granodiorite
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Percentage of the surface covered by rock fragments: 0 to 15 percent by coarse gravel, 0 to 3 percent by boulders, 0 to 10 percent by cobbles, and 0 to 3 percent by stones
Restrictive feature: None noted
Slowest permeability: Moderately rapid
Available water capacity to a depth of 60 inches: About 4.7 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
- *Present annual flooding:* None
- *Present annual ponding:* None
- *Surface runoff class:* Low
- *Current water table:* None noted
- *Natural drainage class:* Somewhat excessively drained
- *Hydrologic soil group:* A

Interpretive groups
- *Land capability (nonirrigated):* 6s
- *Ecological site:* F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Typical profile
- Oi—0 to 3 inches (0 to 7 centimeters); slightly decomposed plant material
- A—3 to 11 inches (7 to 27 centimeters); cobbly loamy coarse sand
- Bw—11 to 20 inches (27 to 52 centimeters); cobbly loamy coarse sand

C—20 to 63 inches (52 to 160 centimeters); gravelly coarse sand

Minor components

Cagwin and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Meeks, extremely bouldery, and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Tallac, very stony, and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Rock outcrop
Extent: About 2 percent of the map unit
Slope: 5 to 15 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Toem and similar soils
Extent: About 2 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Marla and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

7426—Cassenai cobbly loamy coarse sand, moist, 15 to 30 percent slopes, very bouldery

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,315 to 9,350 feet (2,230 to 2,850 meters)
Mean annual precipitation: 31 to 61 inches (790 to 1,550 millimeters)
Mean annual air temperature: 41 to 45 degrees F (5 to 7 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Cassenai, moist—80 percent
Minor components—20 percent

Characteristics of Cassenai, moist, and similar soils

Slope: 15 to 30 percent
Aspect: Southwest to north
Landform: Hillslopes and mountain slopes
Parent material: Colluvium derived from granodiorite
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Percentage of the surface covered by rock fragments: 0 to 15 percent by coarse gravel, 0 to 3 percent by boulders, 0 to 10 percent by cobbles, and 0 to 3 percent by stones
Restrictive feature: None noted
Slowest permeability: Moderately rapid
Available water capacity to a depth of 60 inches: About 4.7 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Typical profile
Oi—0 to 3 inches (0 to 7 centimeters); slightly decomposed plant material
A—3 to 11 inches (7 to 27 centimeters); cobbly loamy coarse sand
Bw—11 to 20 inches (27 to 52 centimeters); cobbly loamy coarse sand
C—20 to 63 inches (52 to 160 centimeters); gravelly coarse sand

Minor components

Cagwin and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent

Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Tallac, very stony, and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Meeks, extremely bouldery, and similar soils
Extent: About 4 percent of the map unit
Slope: 15 to 30 percent
Landform: Moraines
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Rock outcrop
Extent: About 2 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Toem and similar soils
Extent: About 2 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Marla and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

7427—Cassenai cobbly loamy coarse sand, moist, 30 to 50 percent slopes, very bouldery

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,970 to 9,100 feet (2,125 to 2,775 meters)
Mean annual precipitation: 29 to 53 inches (740 to 1,350 millimeters)
Mean annual air temperature: 41 to 45 degrees F (5 to 7 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Cassenai, moist—80 percent
Minor components—20 percent

Characteristics of Cassenai, moist, and similar soils

Slope: 30 to 50 percent
Aspect: Southwest to northeast
Landform: Hillslopes and mountain slopes
Parent material: Colluvium derived from granodiorite
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Percentage of the surface covered by rock fragments: 0 to 15 percent by coarse gravel, 0 to 3 percent by stones, 0 to 10 percent by cobbles, and 0 to 3 percent by boulders
Restrictive feature: None noted
Slowest permeability: Moderately rapid
Available water capacity to a depth of 60 inches: About 4.7 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Typical profile
Oi—0 to 3 inches (0 to 7 centimeters); slightly decomposed plant material
A—3 to 11 inches (7 to 27 centimeters); cobbly loamy coarse sand
Bw—11 to 20 inches (27 to 52 centimeters); cobbly loamy coarse sand
C—20 to 63 inches (52 to 160 centimeters); gravelly coarse sand

Minor components

Cagwin and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 50 percent

Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Meeks, extremely bouldery, and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 70 percent
Landform: Moraines
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Toem and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Rock outcrop
Extent: About 2 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Tallac, very stony, and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 70 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7428—Cassenai cobbly loamy coarse sand, moist, 50 to 70 percent slopes, very bouldery

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains

Landscape: Mountains
Elevation: 6,855 to 9,085 feet (2,090 to 2,770 meters)
Mean annual precipitation: 29 to 53 inches (740 to 1,350 millimeters)
Mean annual air temperature: 41 to 45 degrees F (5 to 7 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Cassenai, moist—80 percent
Minor components—20 percent

Characteristics of Cassenai, moist, and similar soils

Slope: 50 to 70 percent
Aspect: Southwest to northeast
Landform: Hillslopes and mountain slopes
Parent material: Colluvium derived from granodiorite
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Percentage of the surface covered by rock fragments: 0 to 3 percent by stones, 0 to 10 percent by cobbles, 0 to 15 percent by coarse gravel, and 0 to 3 percent by boulders
Restrictive feature: None noted
Slowest permeability: Moderately rapid
Available water capacity to a depth of 60 inches: About 4.7 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Typical profile
Oi—0 to 3 inches (0 to 7 centimeters); slightly decomposed plant material
A—3 to 11 inches (7 to 27 centimeters); cobbly loamy coarse sand
Bw—11 to 20 inches (27 to 52 centimeters); cobbly loamy coarse sand
C—20 to 63 inches (52 to 160 centimeters); gravelly coarse sand

Minor components

Cagwin and similar soils
Extent: About 5 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Meeks, extremely bouldery, and similar soils
Extent: About 5 percent of the map unit

Slope: 30 to 70 percent
Landform: Moraines
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Toem and similar soils
Extent: About 5 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Rock outcrop
Extent: About 2 percent of the map unit
Slope: 50 to 70 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Tallac, very stony, and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 70 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7431—Celio loamy coarse sand, 0 to 5 percent slopes

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,215 to 6,475 feet (1,895 to 1,975 meters)
Mean annual precipitation: 25 to 47 inches (640 to 1,190 millimeters)
Mean annual air temperature: 41 to 45 degrees F (5 to 7 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Celio—80 percent
Minor components—20 percent

Characteristics of Celio and similar soils

Slope: 0 to 5 percent
Aspect: West to east
Landform: Outwash terraces
Parent material: Alluvium and/or outwash
Typical vegetation: Lodgepole pine and western juniper woodland with mixed grasses and forbs in the understory
Percentage of the surface covered by rock fragments: 5 to 20 percent by coarse, subrounded gravel
Depth to a restrictive feature (duripan): 39 to 59 inches (100 to 150 centimeters)
Available water capacity to a depth of 60 inches: About 1.7 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: Rare
Present annual ponding: Occasional
Surface runoff class: High
Current water table: Present
Natural drainage class: Somewhat poorly drained
Hydrologic soil group: A/D

Interpretive groups
Land capability (nonirrigated): 6s
Ecological site: F022AE005CA, Pinus contorta var. murrayana-Juniperus occidentalis/Ribes/Carex rossii

Typical profile
A1—0 to 8 inches (0 to 20 centimeters); loamy coarse sand
A2—8 to 16 inches (20 to 41 centimeters); gravelly loamy coarse sand
BA—16 to 23 inches (41 to 58 centimeters); gravelly loamy coarse sand
Bw—23 to 45 inches (58 to 114 centimeters); extremely gravelly coarse sand
2Bqm—45 to 56 inches (114 to 142 centimeters); strongly cemented material
2Bg—56 to 80 inches (142 to 203 centimeters); extremely gravelly coarse sand

Minor components

Meeks, stony, and similar soils
Extent: About 7 percent of the map unit
Slope: 0 to 5 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Tahoe, gravelly, and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 5 percent
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

Marla and similar soils
Extent: About 4 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats

Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

Watah and similar soils
Extent: About 4 percent of the map unit
Slope: 0 to 2 percent
Landform: Fens, flood plains, and valley flats
Typical vegetation: Seasonally flooded basins dominated by sedges (*Carex utriculata* and/or *Carex vesicaria*); also, other grasses, rushes, and forbs with small patches of willow
Ecological site: R022AE209CA, Flooded Basins

7441—Christopher loamy coarse sand, 0 to 9 percent slopes

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,245 to 6,610 feet (1,905 to 2,015 meters)
Mean annual precipitation: 23 to 33 inches (580 to 840 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Christopher loamy coarse sand—80 percent
Minor components—20 percent

Characteristics of Christopher loamy coarse sand and similar soils

Slope: 0 to 9 percent
Aspect: South to northwest
Landform: Hillslopes and outwash terraces
Parent material: Outwash derived from granodiorite
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Percentage of the surface covered by rock fragments: 0 to 2 percent by subrounded cobbles; 0 to 5 percent by coarse, subrounded gravel; 0 to 1 percent by subrounded boulders; and 0 to 2 percent by subrounded stones
Restrictive feature: None noted
Slowest permeability: Rapid
Available water capacity to a depth of 60 inches: About 6.6 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6s
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 8 inches (3 to 20 centimeters); loamy coarse sand
Bw1—8 to 26 inches (20 to 66 centimeters); loamy coarse sand
Bw2—26 to 42 inches (66 to 107 centimeters); loamy coarse sand
Bw3—42 to 61 inches (107 to 155 centimeters); loamy coarse sand

Minor components

Gefo gravelly loamy coarse sand and similar soils
Extent: About 10 percent of the map unit
Slope: 2 to 9 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Jabu and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 9 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Oneidas and similar soils
Extent: About 3 percent of the map unit
Slope: 0 to 5 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Lodgepole pine forest with grasses in the understory
Ecological site: F022AE009CA, Pinus contorta var. murrayana/Elymus elymoides

Marla and similar soils
Extent: About 2 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

7442—Christopher loamy coarse sand, 9 to 30 percent slopes

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains

Elevation: 6,230 to 6,545 feet (1,900 to 1,995 meters)
Mean annual precipitation: 23 to 31 inches (580 to 790 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Christopher loamy coarse sand—80 percent
Minor components—20 percent

Characteristics of Christopher loamy coarse sand and similar soils

Slope: 9 to 30 percent
Aspect: North
Landform: Hillslopes and outwash terraces
Parent material: Outwash derived from granodiorite
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Percentage of the surface covered by rock fragments: 0 to 1 percent by subrounded boulders, 0 to 2 percent by subrounded stones, 0 to 2 percent by subrounded cobbles, and 0 to 5 percent by coarse, subrounded gravel
Restrictive feature: None noted
Slowest permeability: Rapid
Available water capacity to a depth of 60 inches: About 6.6 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 8 inches (3 to 20 centimeters); loamy coarse sand
Bw1—8 to 26 inches (20 to 66 centimeters); loamy coarse sand
Bw2—26 to 42 inches (66 to 107 centimeters); loamy coarse sand
Bw3—42 to 61 inches (107 to 155 centimeters); loamy coarse sand

Minor components

Gefo gravelly loamy coarse sand and similar soils
Extent: About 10 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Jabu and similar soils
Extent: About 5 percent of the map unit

Slope: 9 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Oneidas and similar soils
Extent: About 3 percent of the map unit
Slope: 5 to 15 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Lodgepole pine forest with grasses in the understory
Ecological site: F022AE009CA, Pinus contorta var. murrayana/Elymus elymoides

Marla and similar soils
Extent: About 2 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

7443—Christopher gravelly loamy coarse sand, 9 to 30 percent slopes

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 6,855 feet (1,900 to 2,090 meters)
Mean annual precipitation: 27 to 39 inches (690 to 990 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Christopher gravelly loamy coarse sand—80 percent
Minor components—20 percent

Characteristics of Christopher gravelly loamy coarse sand and similar soils

Slope: 9 to 30 percent
Aspect: West to southeast
Landform: Hillslopes and outwash terraces
Parent material: Outwash derived from granodiorite
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Percentage of the surface covered by rock fragments: 0 to 1 percent by subrounded boulders; 0 to 5 percent by coarse, subrounded gravel; 0 to 2 percent by subrounded stones; and 0 to 2 percent by subrounded cobbles
Restrictive feature: None noted
Slowest permeability: Rapid
Available water capacity to a depth of 60 inches: About 3.6 inches (low)

Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Typical profile
Oi—0 to 1 inch (0 to 2 centimeters); slightly decomposed plant material
A—1 to 5 inches (2 to 13 centimeters); gravelly loamy coarse sand
Bw1—5 to 32 inches (13 to 82 centimeters); loamy coarse sand
Bw2—32 to 41 inches (82 to 104 centimeters); gravelly loamy coarse sand
C—41 to 71 inches (104 to 180 centimeters); very gravelly loamy coarse sand

Minor components

Gefo gravelly loamy coarse sand and similar soils
Extent: About 10 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Jabu and similar soils
Extent: About 5 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Oneidas and similar soils
Extent: About 3 percent of the map unit
Slope: 5 to 15 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Lodgepole pine forest with grasses in the understory
Ecological site: F022AE009CA, Pinus contorta var. murrayana/Elymus elymoides

Marla and similar soils
Extent: About 2 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

7444—Christopher-Gefo complex, 0 to 5 percent slopes

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,215 to 6,410 feet (1,895 to 1,955 meters)
Mean annual precipitation: 21 to 27 inches (530 to 690 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Christopher loamy coarse sand—45 percent
Gefo gravelly loamy coarse sand—35 percent
Minor components—20 percent

Characteristics of Christopher loamy coarse sand and similar soils

Slope: 0 to 5 percent
Aspect: Southwest to northeast
Landform: Hillslopes and outwash terraces
Parent material: Outwash derived from granodiorite
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Percentage of the surface covered by rock fragments: 0 to 2 percent by subrounded stones; 0 to 2 percent by subrounded cobbles; 0 to 5 percent by coarse, subrounded gravel; and 0 to 1 percent by subrounded boulders
Restrictive feature: None noted
Slowest permeability: Rapid
Available water capacity to a depth of 60 inches: About 6.6 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very low
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6s
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 8 inches (3 to 20 centimeters); loamy coarse sand
Bw1—8 to 26 inches (20 to 66 centimeters); loamy coarse sand
Bw2—26 to 42 inches (66 to 107 centimeters); loamy coarse sand
Bw3—42 to 61 inches (107 to 155 centimeters); loamy coarse sand

Characteristics of Gefo gravelly loamy coarse sand and similar soils

Slope: 0 to 5 percent
Aspect: Southwest to northeast

Landform: Hillslopes and outwash terraces
Parent material: Outwash derived from granodiorite
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Slowest permeability: Rapid
Available water capacity to a depth of 60 inches: About 3.5 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very low
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6s
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Typical profile
A—0 to 15 inches (0 to 38 centimeters); gravelly loamy coarse sand
C—15 to 75 inches (38 to 190 centimeters); gravelly coarse sand

Minor components

Jabu and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 9 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Marla and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

Oneidas and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 5 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Lodgepole pine forest with grasses in the understory
Ecological site: F022AE009CA, Pinus contorta var. murrayana/Elymus elymoides

Ubaj and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 9 percent
Landform: Lake terraces and outwash terraces

Typical vegetation: Dominantly Jeffrey pine woodland with some white fir, mahala mat, and greenleaf manzanita in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

7451—Gefo gravelly loamy coarse sand, 2 to 9 percent slopes

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,215 to 6,445 feet (1,895 to 1,965 meters)
Mean annual precipitation: 21 to 43 inches (530 to 1,090 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Gefo gravelly loamy coarse sand—80 percent
Minor components—20 percent

Characteristics of Gefo gravelly loamy coarse sand and similar soils

Slope: 2 to 9 percent
Aspect: North
Landform: Hillslopes and outwash terraces
Parent material: Outwash derived from granodiorite
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Slowest permeability: Rapid
Available water capacity to a depth of 60 inches: About 3.5 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
- *Present annual flooding:* None
- *Present annual ponding:* None
- *Surface runoff class:* Very low
- *Current water table:* None noted
- *Natural drainage class:* Somewhat excessively drained
- *Hydrologic soil group:* A

Interpretive groups
- *Land capability (nonirrigated):* 6s
- *Ecological site:* F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Typical profile
- A—0 to 15 inches (0 to 38 centimeters); gravelly loamy coarse sand
- C—15 to 75 inches (38 to 190 centimeters); gravelly coarse sand

Minor components

Christopher loamy coarse sand and similar soils
Extent: About 10 percent of the map unit
Slope: 0 to 9 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Jabu and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 9 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Oneidas and similar soils
Extent: About 3 percent of the map unit
Slope: 0 to 5 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Lodgepole pine forest with grasses in the understory
Ecological site: F022AE009CA, Pinus contorta var. murrayana/Elymus elymoides

Marla and similar soils
Extent: About 2 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

7452—Gefo gravelly loamy coarse sand, 9 to 30 percent slopes

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,215 to 6,590 feet (1,895 to 2,010 meters)
Mean annual precipitation: 25 to 39 inches (640 to 990 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Gefo gravelly loamy coarse sand—80 percent
Minor components—20 percent

Characteristics of Gefo gravelly loamy coarse sand and similar soils

Slope: 9 to 30 percent

Aspect: North to southeast
Landform: Hillslopes and outwash terraces
Parent material: Outwash derived from granodiorite
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Slowest permeability: Rapid
Available water capacity to a depth of 60 inches: About 3.5 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6s
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Typical profile
A—0 to 15 inches (0 to 38 centimeters); gravelly loamy coarse sand
C—15 to 75 inches (38 to 190 centimeters); gravelly coarse sand

Minor components

Christopher loamy coarse sand and similar soils
Extent: About 10 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Jabu and similar soils
Extent: About 5 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Oneidas and similar soils
Extent: About 3 percent of the map unit
Slope: 5 to 15 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Lodgepole pine forest with grasses in the understory
Ecological site: F022AE009CA, Pinus contorta var. murrayana/Elymus elymoides

Marla and similar soils
Extent: About 2 percent of the map unit
Slope: 0 to 5 percent

Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

7461—Jabu coarse sandy loam, 0 to 9 percent slopes

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 6,805 feet (1,900 to 2,075 meters)
Mean annual precipitation: 23 to 35 inches (580 to 890 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Jabu—80 percent
Minor components—20 percent

Characteristics of Jabu and similar soils

Slope: 0 to 9 percent
Aspect: Southwest to east
Landform: Hillslopes and outwash terraces
Parent material: Outwash derived from granodiorite
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Percentage of the surface covered by rock fragments: 0 percent
Depth to restrictive features: Fragipan—39 to 79 inches (100 to 200 centimeters); densic bedrock—59 to 79 inches (150 to 200 centimeters)
Slowest permeability: Very slow
Available water capacity to a depth of 60 inches: About 5.4 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
- *Present annual flooding:* None
- *Present annual ponding:* None
- *Surface runoff class:* Low
- *Current water table:* Present
- *Natural drainage class:* Well drained
- *Hydrologic soil group:* A

Interpretive groups
- *Land capability (nonirrigated):* 4e-1
- *Ecological site:* F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Typical profile
- Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
- A—1 to 7 inches (3 to 18 centimeters); coarse sandy loam
- Bt1—7 to 21 inches (18 to 53 centimeters); coarse sandy loam
- Bt2—21 to 46 inches (53 to 117 centimeters); gravelly coarse sandy loam
- Bx—46 to 67 inches (117 to 170 centimeters); coarse sandy loam

C—67 to 73 inches (170 to 185 centimeters); stratified fine sandy loam to silty clay
Cd—73 to 101 inches (185 to 257 centimeters); coarse sandy loam

Minor components

Christopher loamy coarse sand and similar soils
Extent: About 10 percent of the map unit
Slope: 0 to 9 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Oneidas and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 5 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Lodgepole pine forest with grasses in the understory
Ecological site: F022AE009CA, Pinus contorta var. murrayana/Elymus elymoides

Gefo gravelly loamy coarse sand and similar soils
Extent: About 3 percent of the map unit
Slope: 2 to 9 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Marla and similar soils
Extent: About 2 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

7462—Jabu coarse sandy loam, 9 to 30 percent slopes

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 7,410 feet (1,900 to 2,260 meters)
Mean annual precipitation: 23 to 41 inches (580 to 1,040 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Jabu—80 percent
Minor components—20 percent

Characteristics of Jabu and similar soils

Slope: 9 to 30 percent
Aspect: Southwest to northeast
Landform: Hillslopes and outwash terraces
Parent material: Outwash derived from granodiorite
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Percentage of the surface covered by rock fragments: 0 percent
Depth to restrictive features: Fragipan—39 to 79 inches (100 to 200 centimeters); densic bedrock—59 to 79 inches (150 to 200 centimeters)
Slowest permeability: Very slow
Available water capacity to a depth of 60 inches: About 5.4 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: Present
Natural drainage class: Well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 7 inches (3 to 18 centimeters); coarse sandy loam
Bt1—7 to 21 inches (18 to 53 centimeters); coarse sandy loam
Bt2—21 to 46 inches (53 to 117 centimeters); gravelly coarse sandy loam
Bx—46 to 67 inches (117 to 170 centimeters); coarse sandy loam
C—67 to 73 inches (170 to 185 centimeters); stratified fine sandy loam to silty clay
Cd—73 to 101 inches (185 to 257 centimeters); coarse sandy loam

Minor components

Christopher loamy coarse sand and similar soils
Extent: About 10 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Oneidas and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 15 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Lodgepole pine forest with grasses in the understory
Ecological site: F022AE009CA, Pinus contorta var. murrayana/Elymus elymoides

Gefo gravelly loamy coarse sand and similar soils
Extent: About 3 percent of the map unit

Slope: 9 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Marla and similar soils
Extent: About 2 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

7471—Marla loamy coarse sand, 0 to 5 percent slopes

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,215 to 6,495 feet (1,895 to 1,980 meters)
Mean annual precipitation: 23 to 49 inches (580 to 1,240 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 20 to 75 days

Map unit composition

Marla—80 percent
Minor components—20 percent

Characteristics of Marla and similar soils

Slope: 0 to 5 percent
Aspect: Southwest to northeast
Landform: Outwash terraces and valley flats
Parent material: Alluvium derived from granodiorite
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 6.8 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: Rare
Present annual ponding: Frequent
Surface runoff class: Very high
Current water table: Present
Natural drainage class: Poorly drained
Hydrologic soil group: A/D

Interpretive groups
Land capability (nonirrigated): 6w
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

Typical profile
Oi—0 to 3 inches (0 to 8 centimeters); slightly decomposed plant material
A—3 to 14 inches (8 to 36 centimeters); loamy coarse sand
C—14 to 47 inches (36 to 119 centimeters); loamy coarse sand
2Cg1—47 to 59 inches (119 to 150 centimeters); clay loam
2Cg2—59 to 68 inches (150 to 173 centimeters); stratified sandy loam to fine sandy loam

Minor components

Christopher loamy coarse sand and similar soils
Extent: About 4 percent of the map unit
Slope: 0 to 5 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Gefo gravelly loamy coarse sand and similar soils
Extent: About 4 percent of the map unit
Slope: 0 to 5 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Tahoe silt loam and similar soils
Extent: About 4 percent of the map unit
Slope: 0 to 2 percent
Landform: Flood plains and valley flats
Typical vegetation: Moist meadows dominated by sedges, rushes, and grasses with a variety of forbs
Ecological site: R022AE208CA, Frigid Loamy Terrace

Ubaj and similar soils
Extent: About 4 percent of the map unit
Slope: 0 to 9 percent
Landform: Lake terraces and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Watah and similar soils
Extent: About 4 percent of the map unit
Slope: 0 to 2 percent
Landform: Fens, flood plains, and valley flats
Typical vegetation: Seasonally flooded basins dominated by sedges (*Carex utriculata* and/or *Carex vesicaria*); also, other grasses, rushes, and forbs with small patches of willow
Ecological site: R022AE209CA, Flooded Basins

7481—Meeks gravelly loamy coarse sand, 0 to 5 percent slopes, stony

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,315 to 6,395 feet (1,925 to 1,950 meters)
Mean annual precipitation: 31 to 39 inches (790 to 990 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Meeks, stony—85 percent
Minor components—15 percent

Characteristics of Meeks, stony, and similar soils

Slope: 0 to 5 percent
Aspect: Southwest to northwest
Landform: Moraines
Parent material: Outwash and/or till derived from granodiorite
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 0 to 1 percent by cobbles
Depth to a restrictive feature (duripan): 41 to 73 inches (104 to 185 centimeters)
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 2.9 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Negligible
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6s
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A—2 to 13 inches (5 to 33 centimeters); gravelly loamy coarse sand
Bw—13 to 63 inches (33 to 160 centimeters); extremely stony loamy coarse sand
Bqm—63 to 73 inches (160 to 185 centimeters); gravelly loamy coarse sand

Minor components

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 15 percent

Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Celio and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces
Typical vegetation: Lodgepole pine and western juniper woodland with mixed grasses and forbs in the understory
Ecological site: F022AE005CA, Pinus contorta var. murrayana-Juniperus occidentalis/Ribes/Carex rossii

Gefo gravelly loamy coarse sand and similar soils
Extent: About 4 percent of the map unit
Slope: 0 to 5 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Tahoe, gravelly, and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

7482—Meeks gravelly loamy coarse sand, 5 to 15 percent slopes, stony

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,295 to 6,560 feet (1,920 to 2,000 meters)
Mean annual precipitation: 27 to 43 inches (690 to 1,090 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Meeks, stony—80 percent
Minor components—20 percent

Characteristics of Meeks, stony, and similar soils

Slope: 5 to 15 percent
Aspect: Northwest to southeast

Landform: Moraines
Parent material: Outwash and/or till derived from granodiorite
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 0 to 1 percent by cobbles
Depth to a restrictive feature (duripan): 41 to 73 inches (104 to 185 centimeters)
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 2.9 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very low
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6s
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A—2 to 13 inches (5 to 33 centimeters); gravelly loamy coarse sand
Bw—13 to 63 inches (33 to 160 centimeters); extremely stony loamy coarse sand
Bqm—63 to 73 inches (160 to 185 centimeters); gravelly loamy coarse sand

Minor components

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 10 percent of the map unit
Slope: 5 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Oneidas and similar soils
Extent: About 7 percent of the map unit
Slope: 5 to 15 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Lodgepole pine forest with grasses in the understory
Ecological site: F022AE009CA, Pinus contorta var. murrayana/Elymus elymoides

Celio and similar soils
Extent: About 3 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces
Typical vegetation: Lodgepole pine and western juniper woodland with mixed grasses and forbs in the understory
Ecological site: F022AE005CA, Pinus contorta var. murrayana-Juniperus occidentalis/Ribes/Carex rossii

7483—Meeks gravelly loamy coarse sand, 0 to 5 percent slopes, very stony

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,315 to 6,625 feet (1,925 to 2,020 meters)
Mean annual precipitation: 29 to 49 inches (740 to 1,240 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Meeks, very stony—85 percent
Minor components—15 percent

Characteristics of Meeks, very stony, and similar soils

Slope: 2 to 5 percent
Aspect: West to east
Landform: Moraines
Parent material: Outwash and/or till derived from granodiorite
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 0 to 1 percent by boulders and 1 to 4 percent by stones
Depth to a restrictive feature (duripan): 41 to 73 inches (104 to 185 centimeters)
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 2.9 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Negligible
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6s
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A—2 to 13 inches (5 to 33 centimeters); gravelly loamy coarse sand
Bw—13 to 63 inches (33 to 160 centimeters); extremely stony loamy coarse sand
Bqm—63 to 73 inches (160 to 185 centimeters); gravelly loamy coarse sand

Minor components

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 15 percent
Landform: Hillslopes and mountain slopes

Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Celio and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces
Typical vegetation: Lodgepole pine and western juniper woodland with mixed grasses and forbs in the understory
Ecological site: F022AE005CA, Pinus contorta var. murrayana-Juniperus occidentalis/Ribes/Carex rossii

Jabu and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 9 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

7484—Meeks gravelly loamy coarse sand, 5 to 15 percent slopes, extremely bouldery

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,215 to 7,970 feet (1,895 to 2,430 meters)
Mean annual precipitation: 25 to 61 inches (640 to 1,550 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Meeks, extremely bouldery—80 percent
Minor components—20 percent

Characteristics of Meeks, extremely bouldery, and similar soils

Slope: 5 to 15 percent
Aspect: West to southeast
Landform: Moraines
Parent material: Till derived from granodiorite
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 3 to 12 percent by stones and 2 to 12 percent by boulders
Depth to a restrictive feature (duripan): 41 to 73 inches (104 to 185 centimeters)
Slowest permeability: Slow

Available water capacity to a depth of 60 inches: About 2.9 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very low
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6s
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A—2 to 13 inches (5 to 33 centimeters); gravelly loamy coarse sand
Bw—13 to 63 inches (33 to 160 centimeters); extremely stony loamy coarse sand
Bqm—63 to 73 inches (160 to 185 centimeters); gravelly loamy coarse sand

Minor components

Burnlake and similar soils
Extent: About 5 percent of the map unit
Slope: 8 to 30 percent
Landform: Moraines
Typical vegetation: None assigned
Ecological site: F022AY116NV, Pinus jeffreyi-Abies concolor var. lowiana/Artemisia tridentata ssp. vaseyana/Achnatherum occidentale ssp. occidentale

Meeks, rubbly, and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Dagget, moist, and similar soils
Extent: About 3 percent of the map unit
Slope: 5 to 15 percent
Landform: Mountain slopes
Typical vegetation: Subalpine forest with lodgepole pine, mountain hemlock, and red fir; common shrubs—mountain heather and mountain spirea
Ecological site: F022AE014CA, Pinus contorta-Tsuga mertensiana/Phyllodoce breweri

Tallac, very stony, and similar soils
Extent: About 3 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Roadcat and similar soils
Extent: About 2 percent of the map unit
Slope: 4 to 30 percent
Landform: Moraines
Typical vegetation: None assigned
Ecological site: F022AY102NV, Pinus contorta/Artemisia tridentata ssp. vaseyana-Ribes/Carex-Achnatherum

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Jabu and similar soils
Extent: About 1 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

7485—Meeks gravelly loamy coarse sand, 15 to 30 percent slopes, extremely bouldery

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,215 to 8,115 feet (1,895 to 2,475 meters)
Mean annual precipitation: 23 to 63 inches (580 to 1,600 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Meeks, extremely bouldery—80 percent
Minor components—20 percent

Characteristics of Meeks, extremely bouldery, and similar soils

Slope: 15 to 30 percent
Aspect: West to southeast
Landform: Moraines
Parent material: Till derived from granodiorite
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 2 to 12 percent by boulders and 3 to 12 percent by stones
Depth to a restrictive feature (duripan): 41 to 73 inches (104 to 185 centimeters)
Slowest permeability: Slow

Available water capacity to a depth of 60 inches: About 2.9 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A—2 to 13 inches (5 to 33 centimeters); gravelly loamy coarse sand
Bw—13 to 63 inches (33 to 160 centimeters); extremely stony loamy coarse sand
Bqm—63 to 73 inches (160 to 185 centimeters); gravelly loamy coarse sand

Minor components

Burnlake and similar soils
Extent: About 5 percent of the map unit
Slope: 8 to 30 percent
Landform: Moraines
Typical vegetation: None assigned
Ecological site: F022AY116NV, Pinus jeffreyi-Abies concolor var. lowiana/Artemisia tridentata ssp. vaseyana/Achnatherum occidentale ssp. occidentale

Meeks, rubbly, and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Moraines
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Dagget, moist, and similar soils
Extent: About 3 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountain slopes
Typical vegetation: Subalpine forest with lodgepole pine, mountain hemlock, and red fir; common shrubs—mountain heather and mountain spirea
Ecological site: F022AE014CA, Pinus contorta-Tsuga mertensiana/Phyllodoce breweri

Tallac, very stony, and similar soils
Extent: About 3 percent of the map unit
Slope: 15 to 30 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Roadcat and similar soils
Extent: About 2 percent of the map unit
Slope: 4 to 30 percent
Landform: Moraines
Typical vegetation: None assigned
Ecological site: F022AY102NV, Pinus contorta/Artemisia tridentata ssp. vaseyana-Ribes/Carex-Achnatherum

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Jabu and similar soils
Extent: About 1 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

7486—Meeks gravelly loamy coarse sand, 30 to 70 percent slopes, extremely bouldery

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 8,200 feet (1,900 to 2,500 meters)
Mean annual precipitation: 27 to 59 inches (690 to 1,500 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Meeks, extremely bouldery—80 percent
Minor components—20 percent

Characteristics of Meeks, extremely bouldery, and similar soils

Slope: 30 to 70 percent
Aspect: West to southeast
Landform: Moraines
Parent material: Till derived from granodiorite
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Percentage of the surface covered by rock fragments: 3 to 12 percent by stones and 2 to 12 percent by boulders
Depth to a restrictive feature (duripan): 41 to 73 inches (104 to 185 centimeters)
Slowest permeability: Slow

Available water capacity to a depth of 60 inches: About 2.9 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A—2 to 13 inches (5 to 33 centimeters); gravelly loamy coarse sand
Bw—13 to 63 inches (33 to 160 centimeters); extremely stony loamy coarse sand
Bqm—63 to 73 inches (160 to 185 centimeters); gravelly loamy coarse sand

Minor components

Burnlake and similar soils
Extent: About 5 percent of the map unit
Slope: 8 to 30 percent
Landform: Moraines
Typical vegetation: None assigned
Ecological site: F022AY116NV, Pinus jeffreyi-Abies concolor var. lowiana/Artemisia tridentata ssp. vaseyana/Achnatherum occidentale ssp. occidentale

Meeks, rubbly, and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 70 percent
Landform: Moraines
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Dagget, moist, and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: Subalpine forest with lodgepole pine, mountain hemlock, and red fir; common shrubs—mountain heather and mountain spirea
Ecological site: F022AE014CA, Pinus contorta-Tsuga mertensiana/Phyllodoce breweri

Tallac, very stony, and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 70 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Roadcat and similar soils
Extent: About 2 percent of the map unit
Slope: 4 to 30 percent
Landform: Moraines
Typical vegetation: None assigned
Ecological site: F022AY102NV, Pinus contorta/Artemisia tridentata ssp. vaseyana-Ribes/Carex-Achnatherum

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Jabu and similar soils
Extent: About 1 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

7487—Meeks gravelly loamy coarse sand, 5 to 15 percent slopes, rubbly

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,265 to 8,415 feet (1,910 to 2,565 meters)
Mean annual precipitation: 27 to 53 inches (690 to 1,350 millimeters)
Mean annual air temperature: 42 to 46 degrees F (6 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Meeks, rubbly—80 percent
Minor components—20 percent

Characteristics of Meeks, rubbly, and similar soils

Slope: 5 to 15 percent
Aspect: West to east
Landform: Moraines
Parent material: Till derived from granodiorite
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Percentage of the surface covered by rock fragments: 7 to 25 percent by stones and 8 to 25 percent by boulders
Depth to a restrictive feature (duripan): 41 to 73 inches (104 to 185 centimeters)
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 2.9 inches (low)

Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very low
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6s
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A—2 to 13 inches (5 to 33 centimeters); gravelly loamy coarse sand
Bw—13 to 63 inches (33 to 160 centimeters); extremely stony loamy coarse sand
Bqm—63 to 73 inches (160 to 185 centimeters); gravelly loamy coarse sand

Minor components

Burnlake and similar soils
Extent: About 5 percent of the map unit
Slope: 8 to 30 percent
Landform: Moraines
Typical vegetation: None assigned
Ecological site: F022AY116NV, Pinus jeffreyi-Abies concolor var. lowiana/Artemisia tridentata ssp. vaseyana/Achnatherum occidentale ssp. occidentale

Rockbound very gravelly loam and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 30 percent
Landform: Glacial valley floors
Typical vegetation: Scattered Sierra juniper and Jeffrey pine trees with huckleberry oak and greenleaf manzanita in pockets and a high diversity of annuals and perennials
Ecological site: R022AE202CA, Granitic Pocket

Roadcat and similar soils
Extent: About 3 percent of the map unit
Slope: 4 to 30 percent
Landform: Moraines
Typical vegetation: None assigned
Ecological site: F022AY102NV, Pinus contorta/Artemisia tridentata ssp. vaseyana-Ribes/Carex-Achnatherum

Cagwin and similar soils
Extent: About 2 percent of the map unit
Slope: 5 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 2 percent of the map unit

Slope: 5 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Rock outcrop
Extent: About 1 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Rubble land
Extent: About 1 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

7488—Meeks gravelly loamy coarse sand, 15 to 30 percent slopes, rubbly

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 8,755 feet (1,900 to 2,670 meters)
Mean annual precipitation: 27 to 57 inches (690 to 1,450 millimeters)
Mean annual air temperature: 42 to 46 degrees F (6 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Meeks, rubbly—80 percent
Minor components—20 percent

Characteristics of Meeks, rubbly, and similar soils

Slope: 15 to 30 percent
Aspect: Southwest to southeast
Landform: Moraines
Parent material: Till derived from granodiorite
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species

Percentage of the surface covered by rock fragments: 8 to 25 percent by boulders and 7 to 25 percent by stones
Depth to a restrictive feature (duripan): 41 to 73 inches (104 to 185 centimeters)
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 2.9 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A—2 to 13 inches (5 to 33 centimeters); gravelly loamy coarse sand
Bw—13 to 63 inches (33 to 160 centimeters); extremely stony loamy coarse sand
Bqm—63 to 73 inches (160 to 185 centimeters); gravelly loamy coarse sand

Minor components

Burnlake and similar soils
Extent: About 5 percent of the map unit
Slope: 8 to 30 percent
Landform: Moraines
Typical vegetation: None assigned
Ecological site: F022AY116NV, Pinus jeffreyi-Abies concolor var. lowiana/Artemisia tridentata ssp. vaseyana/Achnatherum occidentale ssp. occidentale

Rockbound very gravelly loam and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 30 percent
Landform: Glacial valley floors
Typical vegetation: Scattered Sierra juniper and Jeffrey pine trees with huckleberry oak and greenleaf manzanita in pockets and a high diversity of annuals and perennials
Ecological site: R022AE202CA, Granitic Pocket

Roadcat and similar soils
Extent: About 3 percent of the map unit
Slope: 4 to 30 percent
Landform: Moraines
Typical vegetation: None assigned
Ecological site: F022AY102NV, Pinus contorta/Artemisia tridentata ssp. vaseyana-Ribes/Carex-Achnatherum

Cagwin and similar soils
Extent: About 2 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes

Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 2 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Rock outcrop
Extent: About 1 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Rubble land
Extent: About 1 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

7489—Meeks gravelly loamy coarse sand, 30 to 70 percent slopes, rubbly

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 8,530 feet (1,900 to 2,600 meters)
Mean annual precipitation: 25 to 65 inches (640 to 1,650 millimeters)
Mean annual air temperature: 42 to 46 degrees F (6 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Meeks, rubbly—80 percent
Minor components—20 percent

Characteristics of Meeks, rubbly, and similar soils

Slope: 30 to 70 percent
Aspect: West to southeast
Landform: Moraines
Parent material: Till derived from granodiorite
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Percentage of the surface covered by rock fragments: 8 to 25 percent by boulders and 7 to 25 percent by stones
Depth to a restrictive feature (duripan): 41 to 73 inches (104 to 185 centimeters)
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 2.9 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A—2 to 13 inches (5 to 33 centimeters); gravelly loamy coarse sand
Bw—13 to 63 inches (33 to 160 centimeters); extremely stony loamy coarse sand
Bqm—63 to 73 inches (160 to 185 centimeters); gravelly loamy coarse sand

Minor components

Burnlake and similar soils
Extent: About 5 percent of the map unit
Slope: 8 to 30 percent
Landform: Moraines
Typical vegetation: None assigned
Ecological site: F022AY116NV, Pinus jeffreyi-Abies concolor var. lowiana/Artemisia tridentata ssp. vaseyana/Achnatherum occidentale ssp. occidentale

Rockbound very stony loam and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 70 percent
Landform: Glacial valley walls
Typical vegetation: Scattered Sierra juniper and Jeffrey pine trees with huckleberry oak and greenleaf manzanita in pockets and a high diversity of annuals and perennials
Ecological site: R022AE202CA, Granitic Pocket

Roadcat and similar soils
Extent: About 3 percent of the map unit
Slope: 4 to 30 percent
Landform: Moraines

Typical vegetation: None assigned
Ecological site: F022AY102NV, Pinus contorta/Artemisia tridentata ssp. vaseyana-Ribes/Carex-Achnatherum

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 2 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Cagwin and similar soils
Extent: About 1 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Rock outcrop
Extent: About 1 percent of the map unit
Slope: 30 to 60 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Rubble land
Extent: About 1 percent of the map unit
Slope: 30 to 60 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Toem and similar soils
Extent: About 1 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

7491—Oneidas coarse sandy loam, 0 to 5 percent slopes

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development

MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,245 to 6,705 feet (1,905 to 2,045 meters)
Mean annual precipitation: 23 to 33 inches (580 to 840 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Oneidas—80 percent
Minor components—20 percent

Characteristics of Oneidas and similar soils

Slope: 0 to 5 percent
Aspect: Southwest to east
Landform: Hillslopes and outwash terraces
Parent material: Outwash and/or till derived from granodiorite
Typical vegetation: Lodgepole pine forest with grasses in the understory
Percentage of the surface covered by rock fragments: 0 to 5 percent by subrounded stones, 0 to 5 percent by subrounded cobbles, and 0 to 15 percent by coarse, subrounded gravel
Depth to a restrictive feature (fragipan): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 1.3 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: Present
Natural drainage class: Poorly drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE009CA, Pinus contorta var. murrayana/Elymus elymoides

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 9 inches (3 to 23 centimeters); coarse sandy loam
Bt—9 to 12 inches (23 to 30 centimeters); coarse sandy loam
Btx—12 to 65 inches (30 to 165 centimeters); coarse sandy loam
C—65 to 201 inches (165 to 511 centimeters); loamy coarse sand

Minor components

Jabu and similar soils
Extent: About 10 percent of the map unit
Slope: 0 to 9 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Christopher loamy coarse sand and similar soils
Extent: About 3 percent of the map unit

Slope: 0 to 5 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Meeks, stony, and similar soils
Extent: About 3 percent of the map unit
Slope: 0 to 5 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Gefo gravelly loamy coarse sand and similar soils
Extent: About 2 percent of the map unit
Slope: 0 to 5 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Marla and similar soils
Extent: About 2 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

7492—Oneidas coarse sandy loam, 5 to 15 percent slopes

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,245 to 6,705 feet (1,905 to 2,045 meters)
Mean annual precipitation: 23 to 33 inches (580 to 840 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Oneidas—80 percent
Minor components—20 percent

Characteristics of Oneidas and similar soils

Slope: 5 to 15 percent
Aspect: South to northwest
Landform: Hillslopes and outwash terraces

Parent material: Outwash and/or till derived from granodiorite
Typical vegetation: Lodgepole pine forest with grasses in the understory
Percentage of the surface covered by rock fragments: 0 to 15 percent by coarse, subrounded gravel; 0 to 5 percent by subrounded cobbles; and 0 to 5 percent by subrounded stones
Depth to a restrictive feature (fragipan): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 1.3 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: Present
Natural drainage class: Poorly drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE009CA, Pinus contorta var. murrayana/Elymus elymoides

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 9 inches (3 to 23 centimeters); coarse sandy loam
Bt—9 to 12 inches (23 to 30 centimeters); coarse sandy loam
Btx—12 to 65 inches (30 to 165 centimeters); coarse sandy loam
C—65 to 201 inches (165 to 511 centimeters); loamy coarse sand

Minor components

Jabu and similar soils
Extent: About 10 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Christopher loamy coarse sand and similar soils
Extent: About 3 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Meeks, stony, and similar soils
Extent: About 3 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Gefo gravelly loamy coarse sand and similar soils
Extent: About 2 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Marla and similar soils
Extent: About 2 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

7500—Rock outcrop, granitic

Map unit setting

General location: The eastern and southern parts of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,970 to 9,890 feet (2,125 to 3,015 meters)
Mean annual precipitation: 37 to 65 inches (940 to 1,650 millimeters)
Mean annual air temperature: 38 to 46 degrees F (4 to 8 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Rock outcrop, granitic—90 percent
Minor components—10 percent

Characteristics of Rock outcrop, granitic

Slope: 15 to 70 percent
Aspect: Northwest to east
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Surface runoff class: Very high
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Rockbound very stony loam and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 70 percent

Landform: Glacial valley walls
Typical vegetation: Scattered Sierra juniper and Jeffrey pine trees with huckleberry oak and greenleaf manzanita in pockets and a high diversity of annuals and perennials
Ecological site: R022AE202CA, Granitic Pocket

Rubble land
Extent: About 2 percent of the map unit
Slope: 15 to 70 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Toem and similar soils
Extent: About 2 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Windyridge and similar soils
Extent: About 2 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: R022AY032NV, Alpine Ridge

Freelpeak and similar soils
Extent: About 1 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: R022AY032NV, Alpine Ridge

Jobsis and similar soils
Extent: About 1 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: F022AY134NV, Pinus albicaulis/Carex-Poa

7501—Rock outcrop-Rockbound complex, 5 to 30 percent slopes

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,345 to 9,280 feet (1,935 to 2,830 meters)
Mean annual precipitation: 37 to 65 inches (940 to 1,650 millimeters)
Mean annual air temperature: 40 to 45 degrees F (4 to 7 degrees C)
Frost-free period: 50 to 110 days

Map unit composition

Rock outcrop, granitic—50 percent
Rockbound very gravelly loam—30 percent
Minor components—20 percent

Characteristics of Rock outcrop, granitic

Slope: 0 to 30 percent
Aspect: West to southeast
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Surface runoff class: Very high
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Characteristics of Rockbound very gravelly loam and similar soils

Slope: 5 to 30 percent
Aspect: West to southeast
Landform: Glacial valley floors
Parent material: Colluvium derived from granodiorite
Typical vegetation: Scattered Sierra juniper and Jeffrey pine trees with huckleberry oak and greenleaf manzanita in pockets and a high diversity of annuals and perennials
Percentage of the surface covered by rock fragments: 5 to 30 percent by cobbles, 5 to 30 percent by stones, 5 to 25 percent by boulders, and 5 to 20 percent by coarse gravel
Depth to a restrictive feature (lithic bedrock): 7 to 20 inches (18 to 50 centimeters)
Slowest permeability: Moderately rapid above the bedrock
Available water capacity to a depth of 60 inches: About 1.1 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 7s
Ecological site: R022AE202CA, Granitic Pocket

Typical profile
A—0 to 6 inches (0 to 15 centimeters); very gravelly loamy sand
Bw—6 to 8 inches (15 to 20 centimeters); very gravelly loamy sand
R—8 to 20 inches (20 to 50 centimeters); bedrock

Minor components

Dagget, moist, and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 15 percent
Landform: Mountain slopes
Typical vegetation: Subalpine forest with lodgepole pine, mountain hemlock, and red fir; common shrubs—mountain heather and mountain spirea
Ecological site: F022AE014CA, Pinus contorta-Tsuga mertensiana/Phyllodoce breweri

Meeks, rubbly, and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Temo and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 15 percent
Landform: Mountain slopes
Typical vegetation: California red fir and lodgepole pine forest with a few western white pine and Sierra juniper trees; a low understory cover of shrubs and grasses
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Witefels and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 15 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

7502—Rock outcrop-Rockbound complex, 30 to 70 percent slopes

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,265 to 9,280 feet (1910 to 2,830 meters)
Mean annual precipitation: 39 to 65 inches (990 to 1,650 millimeters)
Mean annual air temperature: 40 to 45 degrees F (4 to 7 degrees C)
Frost-free period: 50 to 110 days

Map unit composition

Rock outcrop, granitic—50 percent
Rockbound very stony loam—25 percent
Minor components—25 percent

Characteristics of Rock outcrop, granitic

Slope: 30 to 70 percent
Aspect: Northwest to southeast
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Surface runoff class: Very high
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Characteristics of Rockbound very stony loam and similar soils

Slope: 30 to 70 percent
Aspect: Northwest to southeast
Landform: Glacial valley walls
Parent material: Colluvium derived from granodiorite
Typical vegetation: Scattered Sierra juniper and Jeffrey pine trees with huckleberry oak and greenleaf manzanita in pockets and a high diversity of annuals and perennials
Percentage of the surface covered by rock fragments: 5 to 20 percent by coarse gravel, 5 to 25 percent by stones, 5 to 30 percent by cobbles, and 5 to 25 percent by boulders
Depth to a restrictive feature (lithic bedrock): 7 to 20 inches (18 to 50 centimeters)
Slowest permeability: Rapid above the bedrock
Available water capacity to a depth of 60 inches: About 0.4 inch (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: R022AE202CA, Granitic Pocket

Typical profile
A—0 to 2 inches (0 to 5 centimeters); very gravelly coarse sand
Bw1—2 to 5 inches (5 to 13 centimeters); extremely cobbly coarse sand
Bw2—5 to 17 inches (13 to 43 centimeters); extremely cobbly coarse sand
R—17 to 27 inches (43 to 68 centimeters); bedrock

Minor components

Dagget, moist, and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountain slopes

Typical vegetation: Subalpine forest with lodgepole pine, mountain hemlock, and red fir; common shrubs—mountain heather and mountain spirea
Ecological site: F022AE014CA, Pinus contorta-Tsuga mertensiana/Phyllodoce breweri

Glenalpine and similar soils
Extent: About 5 percent of the map unit
Slope: 50 to 90 percent
Landform: Glacial valley walls and mountain slopes
Typical vegetation: Huckleberry oak shrubland with a few Jeffrey pine, Sierra juniper, and western white pine trees
Ecological site: R022AE213CA, Steep Talus Slope

Rubble land
Extent: About 5 percent of the map unit
Landform: Glacial valley walls and mountains
Typical vegetation: None assigned
Ecological site: None assigned

Temo and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountain slopes
Typical vegetation: California red fir and lodgepole pine forest with a few western white pine and Sierra juniper trees; a low understory cover of shrubs and grasses
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Witefels and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

7511—Shalgran-Rock outcrop complex, 30 to 75 percent slopes

Map unit setting

Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,995 to 8,995 feet (2,438 to 2,743 meters)
Mean annual precipitation: 35 to 55 inches (889 to 1,397 millimeters)
Mean annual air temperature: 36 to 39 degrees F (2 to 4 degrees C)
Frost-free period: 30 to 60 days

Map unit composition

Shalgran—70 percent
Rock outcrop—15 percent
Minor components—15 percent

Characteristics of Shalgran and similar soils

Slope: 30 to 75 percent
Aspect: None noted
Landform: Mountains
Parent material: Colluvium derived from granodiorite over residuum derived from granodiorite
Typical vegetation: An overstory of Jeffrey pine with an understory of pinemat manzanita, snowberry, Sierra chinkapin, snowbrush ceanothus, and perennial forbs
Percentage of the surface covered by rock fragments: 10 to 20 percent by boulders, 2 to 8 percent by stones, 5 to 15 percent by coarse gravel, and 10 to 20 percent by fine gravel
Depth to a restrictive feature (paralithic bedrock): 10 to 20 inches (25 to 51 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 0.8 inch (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 7s
Ecological site: F022AY120NV, Pinus jeffreyi/Arctostaphylos nevadensis/ Achnatherum lettermanii

Typical profile
A—0 to 3 inches (0 to 8 centimeters); very bouldery coarse sand
C—3 to 14 inches (8 to 36 centimeters); very bouldery coarse sand
Cr—14 inches (36 centimeters); bedrock

Characteristics of Rock outcrop

Slope: 15 to 99 percent
Aspect: None noted
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Sofgran and similar soils
Extent: About 6 percent of the map unit
Slope: 30 to 50 percent

Landform: Mountains
Typical vegetation: California red fir, lodgepole pine, pinemat manzanita, bluegrass, Ross' sedge, and western needlegrass
Ecological site: F022AY106NV, Pinus contorta-Abies magnifica/Arctostaphylos nevadensis/Achnatherum occidentale ssp. occidentale-Carex rossii

Dystric Xerorthents and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: Jeffrey pine, pinemat manzanita, snowbrush ceanothus, Sierra chinkapin, and snowberry
Ecological site: F022AY120NV, Pinus jeffreyi/Arctostaphylos nevadensis/Achnatherum lettermanii

Burnlake and similar soils
Extent: About 2 percent of the map unit
Slope: 15 to 50 percent
Landform: Moraines
Typical vegetation: None assigned
Ecological site: F022AY116NV, Pinus jeffreyi-Abies concolor var. lowiana/Artemisia tridentata ssp. vaseyana/Achnatherum occidentale ssp. occidentale

Jobsis and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: Whitebark pine
Ecological site: F022AY134NV, Pinus albicaulis/Carex-Poa

Temo and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: Lodgepole pine
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

7521—Tallac gravelly coarse sandy loam, 5 to 15 percent slopes, very stony

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 7985 feet (1,900 to 2435 meters)
Mean annual precipitation: 25 to 51 inches (640 to 1,300 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Tallac, very stony—75 percent
Minor components—25 percent

Characteristics of Tallac, very stony, and similar soils

Slope: 5 to 15 percent
Aspect: Southwest to southeast
Landform: Moraines
Parent material: Colluvium over till derived from mixed sources
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 1 to 5 percent by stones, 1 to 3 percent by cobbles
Depth to a restrictive feature (duripan): 39 to 71 inches (100 to 181 centimeters)
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 3.2 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: Present
Natural drainage class: Well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 4e-7
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 22 inches (3 to 56 centimeters); gravelly coarse sandy loam
Bw1—22 to 32 inches (56 to 81 centimeters); extremely cobbly coarse sandy loam
Bw2—32 to 43 inches (81 to 109 centimeters); very gravelly coarse sandy loam
Bqm—43 to 66 inches (109 to 168 centimeters); gravelly coarse sandy loam

Minor components

Tallac, rubbly, and similar soils
Extent: About 10 percent of the map unit
Slope: 2 to 9 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Tallac, moderately well drained, and similar soils
Extent: About 9 percent of the map unit
Slope: 0 to 5 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Meeks, extremely bouldery, and similar soils
Extent: About 5 percent of the map unit

Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7522—Tallac gravelly coarse sandy loam, 15 to 30 percent slopes, very stony

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,245 to 7,755 feet (1,905 to 2,365 meters)
Mean annual precipitation: 25 to 47 inches (640 to 1,190 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Tallac, very stony—85 percent
Minor components—15 percent

Characteristics of Tallac, very stony, and similar soils

Slope: 15 to 30 percent
Aspect: Southwest to southeast
Landform: Moraines
Parent material: Colluvium over till derived from mixed sources
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 1 to 3 percent by cobbles and 1 to 5 percent by stones
Depth to a restrictive feature (duripan): 39 to 71 inches (100 to 181 centimeters)
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 3.2 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: Present
Natural drainage class: Well drained
Hydrologic soil group: A

Interpretive groups

Land capability (nonirrigated): 6e

Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile

Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material

A—1 to 22 inches (3 to 56 centimeters); gravelly coarse sandy loam

Bw1—22 to 32 inches (56 to 81 centimeters); extremely cobbly coarse sandy loam

Bw2—32 to 43 inches (81 to 109 centimeters); very gravelly coarse sandy loam

Bqm—43 to 66 inches (109 to 168 centimeters); gravelly coarse sandy loam

Minor components

Meeks, extremely bouldery, and similar soils

Extent: About 10 percent of the map unit

Slope: 15 to 30 percent

Landform: Moraines

Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory

Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Aquic Xerorthents and similar soils

Extent: About 1 percent of the map unit

Slope: 0 to 15 percent

Landform: Drainageways

Typical vegetation: Aspen grove with a dense understory of grasses and forbs

Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Cagwin and similar soils

Extent: About 1 percent of the map unit

Slope: 15 to 30 percent

Landform: Hillslopes and mountain slopes

Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species

Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Cassenai gravelly loamy coarse sand and similar soils

Extent: About 1 percent of the map unit

Slope: 15 to 30 percent

Landform: Hillslopes and mountain slopes

Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings

Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Dagget, moist, and similar soils

Extent: About 1 percent of the map unit

Slope: 15 to 30 percent

Landform: Mountain slopes

Typical vegetation: Subalpine forest with lodgepole pine, mountain hemlock, and red fir; common shrubs—mountain heather and mountain spirea

Ecological site: F022AE014CA, Pinus contorta-Tsuga mertensiana/Phyllodoce breweri

Rockbound very gravelly loam and similar soils
Extent: About 1 percent of the map unit
Slope: 5 to 30 percent
Landform: Glacial valley floors
Typical vegetation: Scattered Sierra juniper and Jeffrey pine trees with huckleberry oak and greenleaf manzanita in pockets and a high diversity of annuals and perennials
Ecological site: R022AE202CA, Granitic Pocket

7523—Tallac gravelly coarse sandy loam, 30 to 70 percent slopes, very stony

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,315 to 7,740 feet (1,925 to 2,360 meters)
Mean annual precipitation: 25 to 49 inches (640 to 1,240 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Tallac, very stony—85 percent
Minor components—15 percent

Characteristics of Tallac, very stony, and similar soils

Slope: 30 to 70 percent
Aspect: Southwest to southeast
Landform: Moraines
Parent material: Colluvium over till derived from mixed sources
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 1 to 3 percent by cobbles and 1 to 5 percent by stones
Depth to a restrictive feature (duripan): 39 to 71 inches (100 to 181 centimeters)
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 3.2 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: Present
Natural drainage class: Well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6e

Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile

Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 22 inches (3 to 56 centimeters); gravelly coarse sandy loam
Bw1—22 to 32 inches (56 to 81 centimeters); extremely cobbly coarse sandy loam
Bw2—32 to 43 inches (81 to 109 centimeters); very gravelly coarse sandy loam
Bqm—43 to 66 inches (109 to 168 centimeters); gravelly coarse sandy loam

Minor components

Meeks, extremely bouldery, and similar soils

Extent: About 10 percent of the map unit
Slope: 30 to 70 percent
Landform: Moraines
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Aquic Xerorthents and similar soils

Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Cagwin and similar soils

Extent: About 1 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Cassenai gravelly loamy coarse sand and similar soils

Extent: About 1 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Dagget, moist, and similar soils

Extent: About 1 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: Subalpine forest with lodgepole pine, mountain hemlock, and red fir; common shrubs—mountain heather and mountain spirea
Ecological site: F022AE014CA, Pinus contorta-Tsuga mertensiana/Phyllodoce breweri

Rockbound very stony loam and similar soils
Extent: About 1 percent of the map unit
Slope: 30 to 70 percent
Landform: Glacial valley walls
Typical vegetation: Scattered Sierra juniper and Jeffrey pine trees with huckleberry oak and greenleaf manzanita in pockets and a high diversity of annuals and perennials
Ecological site: R022AE202CA, Granitic Pocket

7524—Tallac gravelly coarse sandy loam, moderately well drained, 0 to 5 percent slopes

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,215 to 6,610 feet (1,895 to 2,015 meters)
Mean annual precipitation: 23 to 39 inches (580 to 990 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 30 to 90 days

Map unit composition

Tallac, moderately well drained—80 percent
Minor components—20 percent

Characteristics of Tallac, moderately well drained, and similar soils

Slope: 0 to 5 percent
Aspect: West to north
Landform: Moraines
Parent material: Colluvium over till derived from mixed sources
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 0 percent
Depth to a restrictive feature (duripan): 39 to 71 inches (100 to 181 centimeters)
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 3.2 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very low
Current water table: Present
Natural drainage class: Moderately well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material

A—1 to 22 inches (3 to 56 centimeters); gravelly coarse sandy loam
Bw1—22 to 32 inches (56 to 81 centimeters); extremely cobbly coarse sandy loam
Bw2—32 to 43 inches (81 to 109 centimeters); very gravelly coarse sandy loam
Bqm—43 to 66 inches (109 to 168 centimeters); gravelly coarse sandy loam

Minor components

Tallac, moderately well drained, and similar soils
Extent: About 10 percent of the map unit
Slope: 5 to 9 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Meeks, very stony, and similar soils
Extent: About 5 percent of the map unit
Slope: 2 to 5 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Callat and similar soils
Extent: About 4 percent of the map unit
Slope: 9 to 30 percent
Landform: Mountains
Typical vegetation: Open woodland of lodgepole pine and red fir; greenleaf fescue, squirreltail, and needlegrass covering the open areas
Ecological site: F022AE016CA, Pinus contorta-Abies magnifica/Festuca viridula-Elymus elymoides

Tahoe, gravelly, and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

7525—Tallac gravelly coarse sandy loam, moderately well drained, 5 to 9 percent slopes

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,215 to 6,985 feet (1,895 to 2,130 meters)
Mean annual precipitation: 23 to 43 inches (580 to 1,090 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 30 to 90 days

Map unit composition

Tallac, moderately well drained—80 percent
Minor components—20 percent

Characteristics of Tallac, moderately well drained, and similar soils

Slope: 5 to 9 percent
Aspect: West to east
Landform: Moraines
Parent material: Colluvium over till derived from mixed sources
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 0 percent
Depth to a restrictive feature (duripan): 39 to 71 inches (100 to 181 centimeters)
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 3.2 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: Present
Natural drainage class: Moderately well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 22 inches (3 to 56 centimeters); gravelly coarse sandy loam
Bw1—22 to 32 inches (56 to 81 centimeters); extremely cobbly coarse sandy loam
Bw2—32 to 43 inches (81 to 109 centimeters); very gravelly coarse sandy loam
Bqm—43 to 66 inches (109 to 168 centimeters); gravelly coarse sandy loam

Minor components

Tallac, moderately well drained, and similar soils
Extent: About 10 percent of the map unit
Slope: 0 to 5 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Meeks, extremely bouldery, and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory

Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Callat and similar soils
Extent: About 4 percent of the map unit
Slope: 9 to 30 percent
Landform: Mountains
Typical vegetation: Open woodland of lodgepole pine and red fir; greenleaf fescue, squirreltail, and needlegrass covering the open areas
Ecological site: F022AE016CA, Pinus contorta-Abies magnifica/Festuca viridula-Elymus elymoides

Tahoe, gravelly, and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 5 percent
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

7526—Tallac gravelly coarse sandy loam, moderately well drained, 2 to 9 percent slopes, rubbly

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 6,805 feet (1,900 to 2,075 meters)
Mean annual precipitation: 31 to 39 inches (790 to 990 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Tallac, rubbly—85 percent
Minor components—15 percent

Characteristics of Tallac, rubbly, and similar soils

Slope: 2 to 9 percent
Aspect: Northwest to east
Landform: Moraines
Parent material: Colluvium over till derived from mixed sources
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Percentage of the surface covered by rock fragments: 5 to 15 percent by cobbles and 5 to 15 percent by stones
Depth to a restrictive feature (duripan): 39 to 71 inches (100 to 181 centimeters)
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 3.2 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None

Surface runoff class: Low
Current water table: Present
Natural drainage class: Moderately well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 4e-7
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 22 inches (3 to 56 centimeters); gravelly coarse sandy loam
Bw1—22 to 32 inches (56 to 81 centimeters); extremely cobbly coarse sandy loam
Bw2—32 to 43 inches (81 to 109 centimeters); very gravelly coarse sandy loam
Bqm—43 to 66 inches (109 to 168 centimeters); gravelly coarse sandy loam

Minor components

Tallac, moderately well drained, and similar soils
Extent: About 10 percent of the map unit
Slope: 5 to 9 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Tallac, very stony, and similar soils
Extent: About 4 percent of the map unit
Slope: 5 to 15 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Aquic Xerorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

7531—Toem-Rock outcrop complex, 9 to 30 percent slopes

Map unit setting

General location: The eastern and southern parts of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 8,265 feet (1,900 to 2,520 meters)
Mean annual precipitation: 25 to 43 inches (640 to 1,090 millimeters)

Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Toem—45 percent
Rock outcrop, granitic—40 percent
Minor components—15 percent

Characteristics of Toem and similar soils

Slope: 9 to 30 percent
Aspect: Northeast to west
Landform: Hillslopes and mountain slopes
Parent material: Colluvium and/or residuum weathered from granodiorite
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Percentage of the surface covered by rock fragments: 0 percent
Depth to a restrictive feature (paralithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 1.4 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: R022AE210CA, Shallow Sandy Slope

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 10 inches (3 to 25 centimeters); gravelly coarse sand
C—10 to 18 inches (25 to 46 centimeters); gravelly coarse sand
Cr—18 to 32 inches (46 to 81 centimeters); soft bedrock

Characteristics of Rock outcrop, granitic

Slope: 9 to 30 percent
Aspect: Northeast to west
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Surface runoff class: Very high
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Cagwin and similar soils
Extent: About 10 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

7532—Toem-Rock outcrop complex, 30 to 50 percent slopes

Map unit setting

General location: The eastern and southern parts of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,395 to 8,890 feet (1,950 to 2,710 meters)
Mean annual precipitation: 23 to 47 inches (580 to 1,190 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Toem—45 percent
Rock outcrop, granitic—40 percent
Minor components—15 percent

Characteristics of Toem and similar soils

Slope: 30 to 50 percent
Aspect: Northeast to west
Landform: Hillslopes and mountain slopes
Parent material: Colluvium and/or residuum weathered from granodiorite
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Percentage of the surface covered by rock fragments: 0 percent
Depth to a restrictive feature (paralithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 1.4 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None

Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: R022AE210CA, Shallow Sandy Slope

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 10 inches (3 to 25 centimeters); gravelly coarse sand
C—10 to 18 inches (25 to 46 centimeters); gravelly coarse sand
Cr—18 to 32 inches (46 to 81 centimeters); soft bedrock

Characteristics of Rock outcrop, granitic

Slope: 30 to 50 percent
Aspect: Northeast to west
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Surface runoff class: Very high
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Cagwin and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Dagget very gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountain slopes

Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

7533—Toem-Rock outcrop complex, 50 to 70 percent slopes

Map unit setting

General location: The eastern and southern parts of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 8,675 feet (1,900 to 2,645 meters)
Mean annual precipitation: 29 to 57 inches (740 to 1,450 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Toem—45 percent
Rock outcrop, granitic—40 percent
Minor components—15 percent

Characteristics of Toem and similar soils

Slope: 50 to 70 percent
Aspect: South to west
Landform: Hillslopes and mountain slopes
Parent material: Colluvium and/or residuum weathered from granodiorite
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Percentage of the surface covered by rock fragments: 0 percent
Depth to a restrictive feature (paralithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 1.4 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: R022AE210CA, Shallow Sandy Slope

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 10 inches (3 to 25 centimeters); gravelly coarse sand
C—10 to 18 inches (25 to 46 centimeters); gravelly coarse sand
Cr—18 to 32 inches (46 to 81 centimeters); soft bedrock

Characteristics of Rock outcrop, granitic

Slope: 50 to 70 percent
Aspect: South to west
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Surface runoff class: Very high
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: None assigned

Minor components

Cagwin and similar soils
Extent: About 10 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Cassenai gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

7541—Ubaj sandy loam, 0 to 9 percent slopes

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and urban development
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,230 to 6,525 feet (1,900 to 1,990 meters)
Mean annual precipitation: 23 to 39 inches (580 to 990 millimeters)
Mean annual air temperature: 41 to 46 degrees F (5 to 8 degrees C)
Frost-free period: 40 to 90 days

Map unit composition

Ubaj—80 percent
Minor components—20 percent

Characteristics of Ubaj and similar soils

Slope: 0 to 9 percent

Aspect: Southwest to east
Landform: Lake terraces and outwash terraces
Parent material: Alluvium and/or colluvium derived from granodiorite over lacustrine deposits
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Slowest permeability: Very slow
Available water capacity to a depth of 60 inches: About 8.4 inches (high)
Shrink-swell potential: Moderate (LEP of 3 to less than 6)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: Present
Natural drainage class: Moderately well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 4e-1
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Typical profile
Oi—0 inches (0 to 1 centimeter); slightly decomposed plant material
A—0 to 7 inches (1 to 19 centimeters); sandy loam
BA—7 to 17 inches (19 to 44 centimeters); sandy loam
Bt1—17 to 28 inches (44 to 70 centimeters); sandy clay loam
2Bt2—28 to 42 inches (70 to 107 centimeters); clay loam
2Bt3—42 to 49 inches (107 to 124 centimeters); clay
2Cg—49 to 120 inches (124 to 305 centimeters); clay

Minor components

Christopher loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 9 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Jabu and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 9 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Oneidas and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 5 percent
Landform: Hillslopes and outwash terraces

Typical vegetation: Lodgepole pine forest with grasses in the understory
Ecological site: F022AE009CA, Pinus contorta var. murrayana/Elymus elymoides

Gefo gravelly loamy coarse sand and similar soils
Extent: About 3 percent of the map unit
Slope: 2 to 9 percent
Landform: Hillslopes and outwash terraces
Typical vegetation: Jeffrey pine woodland with some white fir; greenleaf manzanita, mahala mat, and whitethorn ceanothus in the understory
Ecological site: F022AE006CA, Pinus jeffreyi-Abies concolor/Arctostaphylos patula-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides

Marla and similar soils
Extent: About 2 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats
Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

9001—Bidart complex, 0 to 2 percent slopes

Map unit setting

General location: The southern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, recreation, and (historically) grazing
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,985 to 9,265 feet (2,130 to 2,825 meters)
Mean annual precipitation: 33 to 65 inches (840 to 1,650 millimeters)
Mean annual air temperature: 37 to 41 degrees F (3 to 5 degrees C)
Frost-free period: 20 to 60 days

Map unit composition

Bidart mucky silt loam—50 percent
Bidart, wet—30 percent
Minor components—20 percent

Characteristics of Bidart mucky silt loam and similar soils

Slope: 0 to 2 percent
Aspect: North
Landform: Flood plains and valley flats
Parent material: Alluvium derived from mixed sources
Typical vegetation: Upper elevation meadows dominated by graminoid species, primarily Nebraska sedge and tufted hairgrass, with a diversity of forbs
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 9.0 inches (high)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: Occasional
Present annual ponding: Occasional
Surface runoff class: Negligible

Current water table: Present
Natural drainage class: Very poorly drained
Hydrologic soil group: A/D

Interpretive groups
Land capability (nonirrigated): 5w
Ecological site: R022AE221CA, Cold Semi-Wet Alluvial Flat

Typical profile
Oa—0 to 3 inches (0 to 7 centimeters); moderately decomposed plant material
A—3 to 9 inches (7 to 22 centimeters); mucky silt loam
Bg—9 to 16 inches (22 to 40 centimeters); silt loam
C—16 to 17 inches (40 to 43 centimeters); extremely gravelly coarse sand
2Bg1—17 to 39 inches (43 to 100 centimeters); very fine sandy loam
2Bg2—39 to 59 inches (100 to 150 centimeters); sandy loam

Characteristics of Bidart, wet, and similar soils

Slope: 0 to 2 percent
Aspect: North
Landform: Flood plains and valley flats
Parent material: Alluvium derived from mixed sources
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 9.0 inches (high)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: Frequent
Present annual ponding: Frequent
Surface runoff class: Negligible
Current water table: Present
Natural drainage class: Very poorly drained
Hydrologic soil group: A/D

Interpretive groups
Land capability (nonirrigated): 5w
Ecological site: R022AE207CA, Cold Wet Alluvial Flat

Typical profile
Oa—0 to 3 inches (0 to 7 centimeters); moderately decomposed plant material
A—3 to 9 inches (7 to 22 centimeters); mucky silt loam
Bg—9 to 16 inches (22 to 40 centimeters); silt loam
C—16 to 17 inches (40 to 43 centimeters); extremely gravelly coarse sand
2Bg1—17 to 39 inches (43 to 100 centimeters); very fine sandy loam
2Bg2—39 to 59 inches (100 to 150 centimeters); sandy loam

Minor components

Tahoe, gravelly, and similar soils and Tahoe silt loam and similar soils
Extent: For each of the two components, about 5 percent of the map unit
Slope: 0 to 5 percent in areas of Tahoe, gravelly, and 0 to 2 percent in areas of Tahoe silt loam
Landform: Flood plains and valley flats
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Ecological site: R022AE214CA, Gravelly Flats

Watah and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 2 percent
Landform: Fens, flood plains, and valley flats
Typical vegetation: Seasonally flooded basins dominated by sedges (*Carex utriculata* and/or *Carex vesicaria*); also, other grasses, rushes, and forbs with small patches of willow
Ecological site: R022AE209CA, Flooded Basins

Water
Extent: About 3 percent of the map unit
Typical vegetation: None assigned
Ecological site: None assigned

Hellhole and similar soils
Extent: About 2 percent of the map unit
Slope: 0 to 2 percent
Landform: Fens
Typical vegetation: Sphagnum bogs dominated by a mat of floating Sphagnum moss; mountain blueberry, bog laurel, sedges, and a variety of alpine forbs growing on the mat
Ecological site: R022AE204CA, Sphagnum Fen

9011—Oxyaquic Cryorthents-Aquic Xerorthents-Tahoe complex, 0 to 15 percent slopes

Map unit setting

General location: Scattered areas throughout the Tahoe Basin, most prevalent in the eastern part
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,215 to 8,790 feet (1,895 to 2,680 meters)
Mean annual precipitation: 23 to 61 inches (580 to 1,550 millimeters)
Mean annual air temperature: 39 to 46 degrees F (4 to 8 degrees C)
Frost-free period: 20 to 75 days

Map unit composition

Oxyaquic Cryorthents—30 percent
Aquic Xerorthents—28 percent
Tahoe, gravelly—15 percent
Minor components—27 percent

Characteristics of Oxyaquic Cryorthents and similar soils

Slope: 0 to 15 percent
Aspect: Southwest to northeast
Landform: Drainageways
Parent material: Alluvium and/or colluvium derived from mixed sources
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 2.5 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: Frequent
Present annual ponding: None
Surface runoff class: High
Current water table: Present
Natural drainage class: Somewhat poorly drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6w
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Typical profile
Oe—0 inches (0 to 1 centimeter); moderately decomposed plant material
A1—0 to 2 inches (1 to 5 centimeters); gravelly loamy coarse sand
A2—2 to 5 inches (5 to 13 centimeters); gravelly loamy coarse sand
Bw—5 to 9 inches (13 to 23 centimeters); gravelly loamy coarse sand
C1—9 to 20 inches (23 to 50 centimeters); gravelly loamy coarse sand
C2—20 to 32 inches (50 to 81 centimeters); very gravelly loamy coarse sand
C3—32 to 52 inches (81 to 132 centimeters); very gravelly coarse sand
C4—52 to 80 inches (132 to 203 centimeters); coarse sand
C5—80 to 112 inches (203 to 284 centimeters); coarse sand

Characteristics of Aquic Xerorthents and similar soils

Slope: 0 to 15 percent
Aspect: Southwest to northeast
Landform: Drainageways
Parent material: Alluvium and/or colluvium derived from mixed sources
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 6.5 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: Frequent
Present annual ponding: None
Surface runoff class: High
Current water table: Present
Natural drainage class: Poorly drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6w
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Typical profile
Oe—0 inches (0 to 1 centimeter); moderately decomposed plant material
Oa—0 to 1 inch (1 to 3 centimeters); highly decomposed plant material
A1—1 to 4 inches (3 to 10 centimeters); sandy loam
A2—4 to 9 inches (10 to 23 centimeters); sandy loam
C1—9 to 14 inches (23 to 36 centimeters); coarse sandy loam
C2—14 to 29 inches (36 to 74 centimeters); sandy loam
C3—29 to 41 inches (74 to 104 centimeters); gravelly sandy loam

C4—41 to 45 inches (104 to 114 centimeters); loamy coarse sand
C5—45 to 59 inches (114 to 150 centimeters); sandy loam

Characteristics of Tahoe, gravelly, and similar soils

Slope: 0 to 5 percent
Aspect: Southwest to northeast
Landform: Flood plains and valley flats
Parent material: Alluvium derived from granitic and volcanic rocks
Typical vegetation: Patches of Lemmon's willow intermixed with scattered forbs and grasses
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Slowest permeability: Moderate
Available water capacity to a depth of 60 inches: About 5.5 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: Occasional
Present annual ponding: Occasional
Surface runoff class: Very high
Current water table: Present
Natural drainage class: Poorly drained
Hydrologic soil group: A/D

Interpretive groups
Land capability (nonirrigated): 6w
Ecological site: R022AE214CA, Gravelly Flats

Typical profile
A1—0 to 10 inches (0 to 25 centimeters); mucky gravelly silt loam
A2—10 to 27 inches (25 to 68 centimeters); gravelly loam
Cg1—27 to 32 inches (68 to 82 centimeters); gravelly loamy fine sand
Cg2—32 to 46 inches (82 to 117 centimeters); gravelly fine sand

Minor components

Bidart mucky silt loam and similar soils
Extent: About 10 percent of the map unit
Slope: 0 to 2 percent
Landform: Flood plains and valley flats
Typical vegetation: Upper elevation meadows dominated by graminoid species, primarily Nebraska sedge and tufted hairgrass, with a diversity of forbs
Ecological site: R022AE221CA, Cold Semi-Wet Alluvial Flat

Watah and similar soils
Extent: About 10 percent of the map unit
Slope: 0 to 2 percent
Landform: Fens, flood plains, and valley flats
Typical vegetation: Seasonally flooded basins dominated by sedges (*Carex utriculata* and/or *Carex vesicaria*); also, other grasses, rushes, and forbs with small patches of willow
Ecological site: R022AE209CA, Flooded Basins

Marla and similar soils
Extent: About 5 percent of the map unit
Slope: 0 to 5 percent
Landform: Outwash terraces and valley flats

Typical vegetation: Lodgepole pine forest with a few white fir and Jeffrey pine trees in moist areas surrounding meadows; willows, grasses, and forbs included in the understory
Ecological site: F022AE002CA, Pinus contorta var. murrayana/Salix lemmonii

Riverwash
Extent: About 2 percent of the map unit
Typical vegetation: None assigned
Ecological site: None assigned

9101—Callat very gravelly coarse sandy loam, 9 to 30 percent slopes, very stony

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,380 to 9,545 feet (1,945 to 2,910 meters)
Mean annual precipitation: 37 to 61 inches (940 to 1,550 millimeters)
Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Callat—82 percent
Minor components—18 percent

Characteristics of Callat and similar soils

Slope: 9 to 30 percent
Aspect: North
Landform: Mountains
Parent material: Colluvium over till derived from volcanic rocks
Typical vegetation: Open woodland of lodgepole pine and red fir; greenleaf fescue, squirreltail, and needlegrass covering the open areas
Percentage of the surface covered by rock fragments: 0 to 3 percent by stones, 0 to 25 percent by cobbles, and 0 to 3 percent by boulders
Depth to a restrictive feature (dense material): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Impermeable
Available water capacity to a depth of 60 inches: About 1.9 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE016CA, Pinus contorta-Abies magnifica/Festuca viridula-Elymus elymoides

Typical profile
Oi—0 inches (0 to 1 centimeter); slightly decomposed plant material
A—0 to 9 inches (1 to 24 centimeters); very gravelly coarse sandy loam
AC—9 to 15 inches (24 to 37 centimeters); very stony coarse sandy loam
C—15 to 24 inches (37 to 62 centimeters); very stony coarse sandy loam
Cd—24 to 41 inches (62 to 103 centimeters); extremely stony coarse sandy loam

Minor components

Glenalpine and similar soils
Extent: About 5 percent of the map unit
Slope: 50 to 90 percent
Landform: Glacial valley walls and mountain slopes
Typical vegetation: Huckleberry oak shrubland with a few Jeffrey pine, Sierra juniper, and western white pine trees
Ecological site: R022AE213CA, Steep Talus Slope

Meeks, extremely bouldery, and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Moraines
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Tallac, very stony, and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Rock outcrop
Extent: About 2 percent of the map unit
Slope: 9 to 30 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9102—Callat very gravelly coarse sandy loam, 30 to 50 percent slopes, very stony

Map unit setting

General location: The southwestern part of the Tahoe Basin

Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,445 to 9,330 feet (1,965 to 2,845 meters)
Mean annual precipitation: 37 to 61 inches (940 to 1,550 millimeters)
Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Callat—82 percent
Minor components—18 percent

Characteristics of Callat and similar soils

Slope: 30 to 50 percent
Aspect: North
Landform: Mountains
Parent material: Colluvium over till derived from volcanic rocks
Typical vegetation: Open woodland of lodgepole pine and red fir; greenleaf fescue, squirreltail, and needlegrass covering the open areas
Percentage of the surface covered by rock fragments: 0 to 2 percent by boulders, 0 to 2 percent by stones, and 0 to 15 percent by cobbles
Depth to a restrictive feature (dense material): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Impermeable
Available water capacity to a depth of 60 inches: About 1.9 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE016CA, Pinus contorta-Abies magnifica/Festuca viridula-Elymus elymoides

Typical profile
Oi—0 inches (0 to 1 centimeter); slightly decomposed plant material
A—0 to 9 inches (1 to 24 centimeters); very gravelly coarse sandy loam
AC—9 to 15 inches (24 to 37 centimeters); very stony coarse sandy loam
C—15 to 24 inches (37 to 62 centimeters); very stony coarse sandy loam
Cd—24 to 41 inches (62 to 103 centimeters); extremely stony coarse sandy loam

Minor components

Glenalpine and similar soils
Extent: About 5 percent of the map unit
Slope: 50 to 90 percent
Landform: Glacial valley walls and mountain slopes
Typical vegetation: Huckleberry oak shrubland with a few Jeffrey pine, Sierra juniper, and western white pine trees
Ecological site: R022AE213CA, Steep Talus Slope

Meeks, extremely bouldery, and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 70 percent
Landform: Moraines
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Tallac, very stony, and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 70 percent
Landform: Moraines
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Rock outcrop
Extent: About 2 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9111—Florand-Lostridge-Fishsnooze association, 15 to 50 percent slopes

Map unit setting

Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,995 to 8,995 feet (2,438 to 2,743 meters)
Mean annual precipitation: 35 to 55 inches (889 to 1,397 millimeters)
Mean annual air temperature: 36 to 39 degrees F (2 to 4 degrees C)
Frost-free period: 30 to 60 days

Map unit composition

Florand—40 percent
Lostridge—30 percent
Fishsnooze—15 percent
Minor components—15 percent

Characteristics of Florand and similar soils

Slope: 15 to 50 percent

Aspect: None noted
Landform: Mountains
Parent material: Colluvium derived from andesite or tuff breccia over residuum derived from andesite or tuff breccia
Typical vegetation: An overstory of California red fir and lodgepole pine and an understory of western needlegrass, snowberry, wild mint, currant, lupine, mountain brome, and mountain big sagebrush
Percentage of the surface covered by rock fragments: 0 to 2 percent by stones and 25 to 45 percent by coarse gravel
Depth to a restrictive feature (paralithic bedrock): 40 to 60 inches (102 to 152 centimeters)
Slowest permeability: Slow above the bedrock
Available water capacity to a depth of 60 inches: About 5.2 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6s
Ecological site: F022AY118NV, Abies magnifica-Pinus contorta/Artemisia tridentata ssp. vaseyana/Bromus marginatus-Achnatherum occidentale ssp. occidentale

Typical profile
A1—0 to 1 inch (0 to 3 centimeters); very gravelly peaty sandy loam
A2—1 to 4 inches (3 to 10 centimeters); very gravelly sandy loam
A3—4 to 12 inches (10 to 30 centimeters); gravelly sandy loam
A4—12 to 18 inches (30 to 46 centimeters); gravelly sandy loam
Bw1—18 to 28 inches (46 to 71 centimeters); very gravelly sandy loam
Bw2—28 to 38 inches (71 to 97 centimeters); very gravelly sandy loam
2Bw3—38 to 47 inches (97 to 119 centimeters); gravelly sandy loam
2Cr—47 inches (119 centimeters); bedrock

Characteristics of Lostridge and similar soils

Slope: 15 to 50 percent
Aspect: None noted
Landform: Mountains
Parent material: Colluvium derived from andesite or tuff breccia over residuum derived from andesite or tuff breccia
Typical vegetation: An overstory of California red fir and lodgepole pine and an understory of snowberry, mountain big sagebrush, currant, mountain brome, western needlegrass, Letterman needlegrass, Ross' sedge, and currant
Percentage of the surface covered by rock fragments: 25 to 45 percent by coarse gravel
Depth to a restrictive feature (paralithic bedrock): 20 to 40 inches (50 to 102 centimeters)
Slowest permeability: Slow above the bedrock
Available water capacity to a depth of 60 inches: About 3.2 inches (low)

Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 6s
Ecological site: F022AY105NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. vaseyana/Bromus marginatus-Achnatherum occidentale ssp. californicum

Typical profile
A1—0 to 3 inches (0 to 8 centimeters); very gravelly coarse sandy loam
A2—3 to 11 inches (8 to 28 centimeters); very gravelly coarse sandy loam
Bw—11 to 23 inches (28 to 58 centimeters); very gravelly coarse sandy loam
C—23 to 29 inches (58 to 74 centimeters); very gravelly coarse sandy loam
Cr—29 inches (74 centimeters); bedrock

Characteristics of Fishsnooze and similar soils

Slope: 15 to 50 percent
Aspect: None noted
Landform: Mountains
Parent material: Colluvium derived from andesite or tuff breccia over residuum derived from andesite or tuff breccia
Typical vegetation: Mountain hemlock
Percentage of the surface covered by rock fragments: 2 to 8 percent by cobbles and 25 to 45 percent by coarse gravel
Depth to a restrictive feature (lithic bedrock): 20 to 40 inches (50 to 102 centimeters)
Slowest permeability: Moderately rapid above the bedrock
Available water capacity to a depth of 60 inches: About 2.8 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 6s
Ecological site: F022AY114NV, Tsuga mertensiana/Carex-Poa

Typical profile
A1—0 to 1 inch (0 to 3 centimeters); very gravelly peaty coarse sandy loam
A2—1 to 9 inches (3 to 23 centimeters); very gravelly coarse sandy loam
A3—9 to 13 inches (23 to 33 centimeters); extremely gravelly coarse sandy loam
Bw—13 to 35 inches (33 to 89 centimeters); extremely cobbly coarse sandy loam
R—35 inches (89 centimeters); bedrock

Minor components

Aquic Haplocryolls and similar soils
Extent: About 3 percent of the map unit
Slope: 4 to 15 percent
Landform: Moraines
Typical vegetation: Quaking aspen, willow, Woods' rose, carex, Nevada bluegrass, slender wheatgrass, and streambank wheatgrass
Ecological site: F022AY104NV, Populus tremuloides/Salix-Rosa woodsii/Poa-Elymus trachycaulus ssp. trachycaulus

Lithnip, moist, and similar soils
Extent: About 3 percent of the map unit
Slope: 8 to 30 percent
Landform: Mountains
Typical vegetation: Needlegrass and bluegrass
Ecological site: R022AY032NV, Alpine Ridge

Stumpatil and similar soils
Extent: About 3 percent of the map unit
Slope: 8 to 30 percent
Landform: Moraines
Typical vegetation: California red fir, lodgepole pine, mountain big sagebrush, snowberry, currant, lupine, mountain brome, and western needlegrass
Ecological site: F022AY118NV, Abies magnifica-Pinus contorta/Artemisia tridentata ssp. vaseyana/Bromus marginatus-Achnatherum occidentale ssp. occidentale

Lithnip and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: Eriogonum, mulesears wyethia, goldenweed, wild mint, lupine, Indian ricegrass, western needlegrass, and bluegrass
Ecological site: R022AY012NV, Barren Slope 20+ p.z.

Morscour and similar soils
Extent: About 2 percent of the map unit
Slope: 8 to 30 percent
Landform: Mountains
Typical vegetation: Western needlegrass, mountain brome, mountain big sagebrush, antelope bitterbrush, and snowberry
Ecological site: R022AY038NV, Shallow Loam 30+ p.z.

Typic Cryaquolls and similar soils
Extent: About 2 percent of the map unit
Slope: 4 to 30 percent
Landform: Flood plains
Typical vegetation: Willow, perennial forbs, bluegrass, slender wheatgrass, and carex
Ecological site: R022AY034NV, Moist Willow

9121—Watsonlake gravelly sandy loam, 5 to 15 percent slopes, rubbly

Map unit setting

General location: The northern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation

MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Landscape setting: Colluvial mountain slopes
Elevation: 7,495 to 8,415 feet (2,285 to 2,565 meters)
Mean annual precipitation: 37 to 43 inches (940 to 1,090 millimeters)
Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Watsonlake—80 percent
Minor components—20 percent

Characteristics of Watsonlake and similar soils

Slope: 5 to 15 percent
Aspect: Northwest to southeast
Landform: Mountain slopes
Parent material: Colluvium derived from andesite
Typical vegetation: Red fir and white fir forest with an understory of greenleaf manzanita and whitethorn ceanothus
Percentage of the surface covered by rock fragments: 0 to 35 percent by coarse, angular gravel; 0 to 15 percent by angular boulders; 15 to 35 percent by angular stones; and 0 to 40 percent by angular cobbles
Depth to a restrictive feature (lithic bedrock): 59 to 79 inches (150 to 200 centimeters)
Slowest permeability: Slow above the bedrock
Available water capacity to a depth of 60 inches: About 6.9 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE024CA, Abies magnifica-Abies concolor/Ceanothus cordulatus-Arctostaphylos patula

Typical profile
Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A1—2 to 8 inches (5 to 20 centimeters); gravelly sandy loam
A2—8 to 18 inches (20 to 46 centimeters); gravelly sandy loam
BA—18 to 27 inches (46 to 69 centimeters); very gravelly sandy clay loam
Bt1—27 to 35 inches (69 to 89 centimeters); very cobbly sandy clay loam
Bt2—35 to 52 inches (89 to 132 centimeters); very cobbly sandy clay loam
Bt3—52 to 67 inches (132 to 170 centimeters); stony loam
R—67 to 77 inches (170 to 195 centimeters); bedrock

Minor components

Jorge very cobbly fine sandy loam and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 15 percent
Landform: Hillslopes and mountain slopes

Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Sky and similar soils
Extent: About 5 percent of the map unit
Slope: 9 to 30 percent
Landform: Mountain slopes
Typical vegetation: Subalpine mixed conifer forest with mountain hemlock, lodgepole pine, and red fir as the codominant species; a sparse understory that includes Brewer's aster, Ross' sedge, and several lupine species
Ecological site: F022AE019CA, Tsuga mertensiana-Abies magnifica/Eucephalus breweri

Tahoma and similar soils
Extent: About 5 percent of the map unit
Slope: 2 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Waca and similar soils
Extent: About 2 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Ellispeak and similar soils
Extent: About 1 percent of the map unit
Slope: 9 to 30 percent
Landform: Glacial valley walls
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Ecological site: R022AE217CA, Volcanic Slopes

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Rock outcrop
Extent: About 1 percent of the map unit
Slope: 5 to 15 percent
Landform: Mountains
Typical vegetation: None assigned

Ecological site: None assigned

9122—Watsonlake gravelly sandy loam, 15 to 30 percent slopes, rubbly

Map unit setting

General location: The northern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Landscape setting: Colluvial mountain slopes
Elevation: 7,295 to 8,560 feet (2,225 to 2,610 meters)
Mean annual precipitation: 35 to 43 inches (890 to 1,090 millimeters)
Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Watsonlake—80 percent
Minor components—20 percent

Characteristics of Watsonlake and similar soils

Slope: 15 to 30 percent
Aspect: North
Landform: Mountain slopes
Parent material: Colluvium derived from andesite
Typical vegetation: Red fir and white fir forest with an understory of greenleaf manzanita and whitethorn ceanothus
Percentage of the surface covered by rock fragments: 15 to 35 percent by angular stones, 0 to 40 percent by angular cobbles, 0 to 15 percent by angular boulders, and 0 to 35 percent by coarse, angular gravel
Depth to a restrictive feature (lithic bedrock): 59 to 79 inches (150 to 200 centimeters)
Slowest permeability: Slow above the bedrock
Available water capacity to a depth of 60 inches: About 6.9 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
- *Present annual flooding:* None
- *Present annual ponding:* None
- *Surface runoff class:* Medium
- *Current water table:* None noted
- *Natural drainage class:* Well drained
- *Hydrologic soil group:* B

Interpretive groups
- *Land capability (nonirrigated):* 6e
- *Ecological site:* F022AE024CA, Abies magnifica-Abies concolor/Ceanothus cordulatus-Arctostaphylos patula

Typical profile
- Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
- A1—2 to 8 inches (5 to 20 centimeters); gravelly sandy loam
- A2—8 to 18 inches (20 to 46 centimeters); gravelly sandy loam
- BA—18 to 27 inches (46 to 69 centimeters); very gravelly sandy clay loam
- Bt1—27 to 35 inches (69 to 89 centimeters); very cobbly sandy clay loam

Bt2—35 to 52 inches (89 to 132 centimeters); very cobbly sandy clay loam
Bt3—52 to 67 inches (132 to 170 centimeters); stony loam
R—67 to 77 inches (170 to 195 centimeters); bedrock

Minor components

Jorge very cobbly fine sandy loam and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Tahoma and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Waca and similar soils
Extent: About 5 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Sky and similar soils
Extent: About 2 percent of the map unit
Slope: 9 to 30 percent
Landform: Mountain slopes
Typical vegetation: Subalpine mixed conifer forest with mountain hemlock, lodgepole pine, and red fir as the codominant species; a sparse understory that includes Brewer's aster, Ross' sedge, and several lupine species
Ecological site: F022AE019CA, Tsuga mertensiana-Abies magnifica/Eucephalus breweri

Ellispeak and similar soils
Extent: About 1 percent of the map unit
Slope: 9 to 30 percent
Landform: Glacial valley walls
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Ecological site: R022AE217CA, Volcanic Slopes

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent

Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Rock outcrop
Extent: About 1 percent of the map unit
Slope: 5 to 15 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

9123—Watsonlake gravelly sandy loam, 30 to 50 percent slopes, rubbly

Map unit setting

General location: The northern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Landscape setting: Colluvial mountain slopes
Elevation: 7,315 to 9,035 feet (2,230 to 2,755 meters)
Mean annual precipitation: 35 to 57 inches (890 to 1,450 millimeters)
Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Watsonlake—80 percent
Minor components—20 percent

Characteristics of Watsonlake and similar soils

Slope: 30 to 50 percent
Aspect: Northwest to southwest
Landform: Mountain slopes
Parent material: Colluvium derived from andesite
Typical vegetation: Red fir and white fir forest with an understory of greenleaf manzanita and whitethorn ceanothus
Percentage of the surface covered by rock fragments: 0 to 35 percent by coarse, angular gravel; 0 to 15 percent by angular boulders; 15 to 35 percent by angular stones; and 0 to 40 percent by angular cobbles
Depth to a restrictive feature (lithic bedrock): 59 to 79 inches (150 to 200 centimeters)
Slowest permeability: Slow above the bedrock
Available water capacity to a depth of 60 inches: About 6.9 inches (moderate)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 7e

Ecological site: F022AE024CA, Abies magnifica-Abies concolor/Ceanothus cordulatus-Arctostaphylos patula

Typical profile

Oi—0 to 2 inches (0 to 5 centimeters); slightly decomposed plant material
A1—2 to 8 inches (5 to 20 centimeters); gravelly sandy loam
A2—8 to 18 inches (20 to 46 centimeters); gravelly sandy loam
BA—18 to 27 inches (46 to 69 centimeters); very gravelly sandy clay loam
Bt1—27 to 35 inches (69 to 89 centimeters); very cobbly sandy clay loam
Bt2—35 to 52 inches (89 to 132 centimeters); very cobbly sandy clay loam
Bt3—52 to 67 inches (132 to 170 centimeters); stony loam
R—67 to 77 inches (170 to 195 centimeters); bedrock

Minor components

Jorge very cobbly fine sandy loam and similar soils

Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Tahoma and similar soils

Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir, Jeffrey pine, sugar pine, and incense cedar occurring as components of a mixed conifer forest; huckleberry oak, greenleaf manzanita, western serviceberry, and creeping snowberry commonly occurring in the understory
Ecological site: F022AE013CA, Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta

Waca and similar soils

Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: White fir and Jeffrey pine forest with scattered whitethorn ceanothus and creeping snowberry in the understory
Ecological site: F022AE007CA, Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides

Sky and similar soils

Extent: About 2 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountain slopes
Typical vegetation: Subalpine mixed conifer forest with mountain hemlock, lodgepole pine, and red fir as the codominant species; a sparse understory that includes Brewer's aster, Ross' sedge, and several lupine species
Ecological site: F022AE019CA, Tsuga mertensiana-Abies magnifica/Eucephalus breweri

Ellispeak and similar soils

Extent: About 1 percent of the map unit

Slope: 30 to 50 percent
Landform: Glacial valley walls
Typical vegetation: Shrubland of huckleberry oak and greenleaf manzanita with scattered Jeffrey pine and white fir
Ecological site: R022AE217CA, Volcanic Slopes

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Rock outcrop
Extent: About 1 percent of the map unit
Slope: 5 to 15 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

9131—Lithnip-Meiss-Hawkinspeak association, 30 to 75 percent slopes

Map unit setting

Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,995 to 9,995 feet (2,438 to 3,048 meters)
Mean annual precipitation: 40 to 50 inches (1,016 to 1,270 millimeters)
Mean annual air temperature: 36 to 39 degrees F (2 to 4 degrees C)
Frost-free period: 30 to 60 days

Map unit composition

Lithnip—40 percent
Meiss—30 percent
Hawkinspeak—15 percent
Minor components—15 percent

Characteristics of Lithnip and similar soils

Slope: 30 to 75 percent
Aspect: None noted
Landform: Mountains
Parent material: Colluvium derived from andesite or tuff breccia over residuum derived from andesite or tuff breccia
Typical vegetation: Eriogonum, bluegrass, mulesears wyethia, goldenweed, wild mint, lupine, western needlegrass, and Indian ricegrass
Percentage of the surface covered by rock fragments: 0 to 2 percent by stones and 50 to 70 percent by coarse gravel
Depth to a restrictive feature (lithic bedrock): 4 to 10 inches (10 to 25 centimeters)
Slowest permeability: Moderately rapid above the bedrock
Available water capacity to a depth of 60 inches: About 0.3 inch (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 7s
Ecological site: R022AY012NV, Barren Slope 20+ p.z.

Typical profile
A—0 to 2 inches (0 to 5 centimeters); extremely gravelly sandy loam
C—2 to 5 inches (5 to 13 centimeters); very gravelly sandy loam
R—5 inches (13 centimeters); bedrock

Characteristics of Meiss and similar soils

Slope: 15 to 50 percent
Aspect: None noted
Landform: Mountains
Parent material: Colluvium over residuum weathered from andesite and andesitic lahar
Typical vegetation: Low sagebrush with a diversity of low-growing shrubs, forbs, and grasses
Percentage of the surface covered by rock fragments: 5 to 20 percent by cobbles and 10 to 30 percent by coarse gravel
Depth to a restrictive feature (lithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Moderately rapid above the bedrock
Available water capacity to a depth of 60 inches: About 1.7 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: R022AE211CA, Shallow Andesite Ridge

Typical profile
A1—0 to 6 inches (0 to 15 centimeters); gravelly ashy loam
A2—6 to 13 inches (15 to 33 centimeters); gravelly ashy loam
R—13 inches (33 centimeters); bedrock

Characteristics of Hawkinspeak and similar soils

Slope: 30 to 50 percent
Aspect: None noted
Landform: Mountains
Parent material: Colluvium derived from andesite or tuff breccia over residuum derived from andesite or tuff breccia
Typical vegetation: Antelope bitterbrush, mountain big sagebrush, western needlegrass, and mountain brome

Percentage of the surface covered by rock fragments: 35 to 55 percent by coarse gravel, 0 to 10 percent by cobbles, 2 to 4 percent by stones, and 0 to 2 percent by boulders
Depth to a restrictive feature (lithic bedrock): 20 to 40 inches (50 to 102 centimeters)
Slowest permeability: Moderate above the bedrock
Available water capacity to a depth of 60 inches: About 3.2 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 6s
Ecological site: R022AY021NV, South Slope 30+ p.z.

Typical profile
A1—0 to 3 inches (0 to 8 centimeters); very gravelly sandy loam
A2—3 to 9 inches (8 to 23 centimeters); very gravelly sandy loam
Bt—9 to 33 inches (23 to 84 centimeters); very gravelly sandy clay loam
R—33 inches (84 centimeters); bedrock

Minor components

Lostridge and similar soils
Extent: About 4 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountains
Typical vegetation: California red fir, lodgepole pine, mountain big sagebrush, snowberry, currant, mountain brome, Ross' sedge, western needlegrass, and Letterman needlegrass
Ecological site: F022AY105NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. vaseyana/Bromus marginatus-Achnatherum occidentale ssp. californicum

Fishsnooze and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountains
Typical vegetation: Limber pine, whitebark pine, Ross' sedge, bluegrass, and rockcress
Ecological site: F022AY134NV, Pinus albicaulis/Carex-Poa

Rock outcrop
Extent: About 3 percent of the map unit
Slope: 15 to 99 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Hawkinspeak, moist, and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountains

Typical vegetation: Mountain brome, mountain big sagebrush, melic, and western needlegrass
Ecological site: R022AY031NV, Loamy Slope 30+ p.z.

Aspocket and similar soils
Extent: About 1 percent of the map unit
Slope: 4 to 30 percent
Landform: Mountains
Typical vegetation: Quaking aspen, mountain brome, slender wheatgrass, and snowberry
Ecological site: F022AY103NV, Populus tremuloides/Symphoricarpos/Bromus marginatus-Elymus trachycaulus ssp. trachycaulus

Hawkridge and similar soils
Extent: About 1 percent of the map unit
Slope: 8 to 30 percent
Landform: Mountains
Typical vegetation: Prairie junegrass, pine needlegrass, goldenweed, and low sagebrush
Ecological site: R022AY011NV, Mountain Ridge 30+ p.z.

Typic Cryaquolls and similar soils
Extent: About 1 percent of the map unit
Slope: 4 to 15 percent
Landform: Flood plains
Typical vegetation: Willow, bluegrass, slender wheatgrass, and carex
Ecological site: R022AY034NV, Moist Willow

9141—Melody-Rock outcrop complex, 9 to 30 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,200 to 8,825 feet (2,195 to 2690 meters)
Mean annual precipitation: 39 to 63 inches (990 to 1,600 millimeters)
Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Melody—55 percent
Rock outcrop, volcanic—25 percent
Minor components—20 percent

Characteristics of Melody and similar soils

Slope: 9 to 30 percent
Aspect: North to south
Landform: Mountain slopes
Parent material: Colluvium derived from volcanic rocks
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees

Percentage of the surface covered by rock fragments: 10 to 25 percent by subangular cobbles, 10 to 35 percent by subangular stones, 1 to 15 percent by subangular boulders, and 20 to 50 percent by coarse, subangular gravel
Depth to a restrictive feature (lithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Moderate above the bedrock
Available water capacity to a depth of 60 inches: About 1.2 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: R022AE219CA, Cryic Volcanic Slope

Typical profile
Oi—0 to 1 inch (0 to 2 centimeters); slightly decomposed plant material
A—1 to 2 inches (2 to 5 centimeters); very cobbly ashy sandy loam
AC—2 to 9 inches (5 to 23 centimeters); very cobbly ashy sandy loam
C—9 to 15 inches (23 to 38 centimeters); very cobbly ashy sandy loam
R—15 to 25 inches (38 to 63 centimeters); bedrock

Characteristics of Rock outcrop, volcanic

Slope: 9 to 30 percent
Aspect: North to south
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Surface runoff class: Very high
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Sky and similar soils
Extent: About 10 percent of the map unit
Slope: 9 to 30 percent
Landform: Mountain slopes
Typical vegetation: Subalpine mixed conifer forest with mountain hemlock, lodgepole pine, and red fir as the codominant species; a sparse understory that includes Brewer's aster, Ross' sedge, and several lupine species
Ecological site: F022AE019CA, Tsuga mertensiana-Abies magnifica/Eucephalus breweri

Mountrose and similar soils
Extent: About 5 percent of the map unit

Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: A sparse cover of woolly mule-ears, coyote mint, and lupine and less than 25 percent cover of red fir, western white pine, Jeffrey pine, and whitebark pine
Ecological site: R022AE215CA, Deep Cryic Volcanic Slope

Wardcreek and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Ecological site: R022AE219CA, Cryic Volcanic Slope

Lithnip and similar soils
Extent: About 1 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: R022AY012NV, Barren Slope 20+ p.z.

Meiss and similar soils
Extent: About 1 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountains
Typical vegetation: Low sagebrush with a diversity of low-growing shrubs, forbs, and grasses
Ecological site: R022AE211CA, Shallow Andesite Ridge

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9142—Melody-Rock outcrop complex, 30 to 50 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,135 to 9,070 feet (2,175 to 2,765 meters)
Mean annual precipitation: 41 to 67 inches (1,040 to 1,700 millimeters)
Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Melody—55 percent
Rock outcrop, volcanic—25 percent
Minor components—20 percent

Characteristics of Melody and similar soils

Slope: 30 to 50 percent
Aspect: North to south
Landform: Mountain slopes
Parent material: Colluvium derived from volcanic rocks
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Percentage of the surface covered by rock fragments: 10 to 35 percent by subangular stones, 10 to 25 percent by subangular cobbles, 1 to 15 percent by subangular boulders, and 20 to 50 percent by coarse, subangular gravel
Depth to a restrictive feature (lithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Moderate above the bedrock
Available water capacity to a depth of 60 inches: About 1.2 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: R022AE219CA, Cryic Volcanic Slope

Typical profile
Oi—0 to 1 inch (0 to 2 centimeters); slightly decomposed plant material
A—1 to 2 inches (2 to 5 centimeters); very cobbly ashy sandy loam
AC—2 to 9 inches (5 to 23 centimeters); very cobbly ashy sandy loam
C—9 to 15 inches (23 to 38 centimeters); very cobbly ashy sandy loam
R—15 to 25 inches (38 to 63 centimeters); bedrock

Characteristics of Rock outcrop, volcanic

Slope: 30 to 50 percent
Aspect: North to south
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Surface runoff class: Very high
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Sky and similar soils
Extent: About 10 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountain slopes

Typical vegetation: Subalpine mixed conifer forest with mountain hemlock, lodgepole pine, and red fir as the codominant species; a sparse understory that includes Brewer's aster, Ross' sedge, and several lupine species
Ecological site: F022AE019CA, Tsuga mertensiana-Abies magnifica/Eucephalus breweri

Mountrose and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: A sparse cover of woolly mule-ears, coyote mint, and lupine and less than 25 percent cover of red fir, western white pine, Jeffrey pine, and whitebark pine
Ecological site: R022AE215CA, Deep Cryic Volcanic Slope

Wardcreek and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slope
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Ecological site: R022AE219CA, Cryic Volcanic Slope

Lithnip and similar soils
Extent: About 1 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: R022AY012NV, Barren Slope 20+ p.z.

Meiss and similar soils
Extent: About 1 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountain
Typical vegetation: Low sagebrush with a diversity of low-growing shrubs, forbs, and grasses
Ecological site: R022AE211CA, Shallow Andesite Ridge

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9143—Melody-Rock outcrop complex, 50 to 70 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,150 to 9,215 feet (2,180 to 2,810 meters)
Mean annual precipitation: 39 to 65 inches (990 to 1,650 millimeters)

Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Melody—55 percent
Rock outcrop, volcanic—25 percent
Minor components—20 percent

Characteristics of Melody and similar soils

Slope: 50 to 70 percent
Aspect: North to south
Landform: Mountain slopes
Parent material: Colluvium derived from volcanic rocks
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Percentage of the surface covered by rock fragments: 10 to 35 percent by subangular stones; 20 to 50 percent by coarse, subangular gravel; 1 to 15 percent by subangular boulders; and 10 to 25 percent by subangular cobbles
Depth to a restrictive feature (lithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Moderate above the bedrock
Available water capacity to a depth of 60 inches: About 1.2 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: R022AE219CA, Cryic Volcanic Slope

Typical profile
Oi—0 to 1 inch (0 to 2 centimeters); slightly decomposed plant material
A—1 to 2 inches (2 to 5 centimeters); very cobbly ashy sandy loam
AC—2 to 9 inches (5 to 23 centimeters); very cobbly ashy sandy loam
C—9 to 15 inches (23 to 38 centimeters); very cobbly ashy sandy loam
R—15 to 25 inches (38 to 63 centimeters); bedrock

Characteristics of Rock outcrop, volcanic

Slope: 50 to 70 percent
Aspect: North to south
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Surface runoff class: Very high
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Sky and similar soils
Extent: About 10 percent of the map unit
Slope: 50 to 70 percent
Landform: Mountain slopes
Typical vegetation: Subalpine mixed conifer forest with mountain hemlock, lodgepole pine, and red fir as the codominant species; a sparse understory that includes Brewer's aster, Ross' sedge, and several lupine species
Ecological site: F022AE019CA, Tsuga mertensiana-Abies magnifica/Eucephalus breweri

Mountrose and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: A sparse cover of woolly mule-ears, coyote mint, and lupine and less than 25 percent cover of red fir, western white pine, Jeffrey pine, and whitebark pine
Ecological site: R022AE215CA, Deep Cryic Volcanic Slope

Wardcreek and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Ecological site: R022AE219CA, Cryic Volcanic Slope

Lithnip and similar soils
Extent: About 1 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: R022AY012NV, Barren Slope 20+ p.z.

Meiss and similar soils
Extent: About 1 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountains
Typical vegetation: Low sagebrush with a diversity of low-growing shrubs, forbs, and grasses
Ecological site: R022AE211CA, Shallow Andesite Ridge

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9151—Shakespeare silt loam, 9 to 30 percent slopes

Map unit setting

General location: The eastern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,675 to 8,825 feet (2,340 to 2,690 meters)
Mean annual precipitation: 31 to 37 inches (790 to 940 millimeters)
Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Shakespeare—80 percent
Minor components—20 percent

Characteristics of Shakespeare and similar soils

Slope: 9 to 30 percent
Aspect: South to northwest
Landform: Mountain slopes
Parent material: Colluvium over residuum weathered from metamorphic rocks
Typical vegetation: Open woodland of red fir and Jeffrey pine with a dense cover of roundleaf snowberry, wax currant, mountain monardella, and silvery lupine
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: None noted
Slowest permeability: Very slow
Available water capacity to a depth of 60 inches: About 7.4 inches (moderate)
Shrink-swell potential: Moderate (LEP of 3 to less than 6)

Hydrologic properties
- *Present annual flooding:* None
- *Present annual ponding:* None
- *Surface runoff class:* High
- *Current water table:* Present
- *Natural drainage class:* Well drained
- *Hydrologic soil group:* C

Interpretive groups
- *Land capability (nonirrigated):* 6e
- *Ecological site:* F022AE011CA, Abies magnifica-Pinus jeffreyi/Symphoricarpos rotundifolius-Ribes cereum/Lupinus argenteus

Typical profile
- Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
- A1—1 to 2 inches (3 to 5 centimeters); silt loam
- A2—2 to 5 inches (5 to 13 centimeters); very gravelly loam
- Bt—5 to 34 inches (13 to 86 centimeters); very gravelly clay loam
- 2C—34 to 61 inches (86 to 155 centimeters); silty clay loam

Minor components

Deerhill and similar soils
Extent: About 5 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes

Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Mountrose and similar soils
Extent: About 4 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: A sparse cover of woolly mule-ears, coyote mint, and lupine and less than 25 percent cover of red fir, western white pine, Jeffrey pine, and whitebark pine
Ecological site: R022AE215CA, Deep Cryic Volcanic Slope

Melody and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Ecological site: R022AE219CA, Cryic Volcanic Slope

Wardcreek and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Ecological site: R022AE219CA, Cryic Volcanic Slope

Dagget very gravelly loamy coarse sand and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Temo and similar soils
Extent: About 1 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountain slopes
Typical vegetation: Red fir, lodgepole pine, and western white pine over low-growing sub-shrubs and grasses, such as sulphur-flowered buckwheat and needlegrasses
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Witefels and similar soils
Extent: About 1 percent of the map unit

Slope: 15 to 30 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

9152—Shakespeare silt loam, 30 to 50 percent slopes, very stony

Map unit setting

General location: The eastern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,805 to 8,690 feet (2,380 to 2,650 meters)
Mean annual precipitation: 31 to 33 inches (790 to 840 millimeters)
Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Shakespeare—80 percent
Minor components—20 percent

Characteristics of Shakespeare and similar soils

Slope: 30 to 50 percent
Aspect: South to north
Landform: Mountain slopes
Parent material: Colluvium over residuum weathered from metamorphic rocks
Typical vegetation: Open woodland of red fir and Jeffrey pine with a dense cover of roundleaf snowberry, wax currant, mountain monardella, and silvery lupine
Percentage of the surface covered by rock fragments: 0 to 2 percent by cobbles, 0 to 2 percent by stones, and 0 to 2 percent by boulders
Restrictive feature: None noted
Slowest permeability: Very slow
Available water capacity to a depth of 60 inches: About 7.4 inches (moderate)
Shrink-swell potential: Moderate (LEP of 3 to less than 6)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: Present
Natural drainage class: Well drained
Hydrologic soil group: C

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE011CA, Abies magnifica-Pinus jeffreyi/Symphoricarpos rotundifolius-Ribes cereum/Lupinus argenteus

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A1—1 to 2 inches (3 to 5 centimeters); silt loam

A2—2 to 5 inches (5 to 13 centimeters); very gravelly loam
Bt—5 to 34 inches (13 to 86 centimeters); very gravelly clay loam
2C—34 to 61 inches (86 to 155 centimeters); silty clay loam

Minor components

Deerhill and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Jeffrey pine and white fir forest with scattered greenleaf manzanita and mountain whitethorn in the canopy openings
Ecological site: F022AE023CA, Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides

Mountrose and similar soils
Extent: About 4 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: A sparse cover of woolly mule-ears, coyote mint, and lupine and less than 25 percent cover of red fir, western white pine, Jeffrey pine, and whitebark pine
Ecological site: R022AE215CA, Deep Cryic Volcanic Slope

Melody and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Ecological site: R022AE219CA, Cryic Volcanic Slope

Wardcreek and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Ecological site: R022AE219CA, Cryic Volcanic Slope

Dagget very gravelly loamy coarse sand and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Temo and similar soils
Extent: About 1 percent of the map unit

Slope: 30 to 50 percent
Landform: Mountain slopes
Typical vegetation: Red fir, lodgepole pine, and western white pine over low-growing sub-shrubs and grasses, such as sulphur-flowered buckwheat and needlegrasses
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Witefels and similar soils
Extent: About 1 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

9161—Sky gravelly sandy loam, 9 to 30 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,115 to 8,840 feet (2,170 to 2,695 meters)
Mean annual precipitation: 35 to 65 inches (890 to 1,650 millimeters)
Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Sky—80 percent
Minor components—20 percent

Characteristics of Sky and similar soils

Slope: 9 to 30 percent
Aspect: Northwest to southeast
Landform: Mountain slopes
Parent material: Colluvium over residuum derived from andesitic tuff
Typical vegetation: Subalpine mixed conifer forest with mountain hemlock, lodgepole pine, and red fir as the codominant species; a sparse understory that includes Brewer's aster, Ross' sedge, and several lupine species
Percentage of the surface covered by rock fragments: 0 to 10 percent by subangular cobbles and 0 to 10 percent by subangular stones
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.3 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted

Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE019CA, Tsuga mertensiana-Abies magnifica/Eucephalus breweri

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
Oa—1 to 2 inches (3 to 5 centimeters); highly decomposed plant material
A—2 to 3 inches (5 to 8 centimeters); gravelly medial sandy loam
E—3 to 5 inches (8 to 13 centimeters); cobbly sandy loam
Bw—5 to 24 inches (13 to 61 centimeters); very stony medial sandy loam
Cr—24 to 34 inches (61 to 86 centimeters); soft bedrock

Minor components

Melody and similar soils
Extent: About 10 percent of the map unit
Slope: 9 to 30 percent
Landform: Mountain slopes
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Ecological site: R022AE219CA, Cryic Volcanic Slope

Mountrose and similar soils
Extent: About 4 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: A sparse cover of woolly mule-ears, coyote mint, and lupine and less than 25 percent cover of red fir, western white pine, Jeffrey pine, and whitebark pine
Ecological site: R022AE215CA, Deep Cryic Volcanic Slope

Wardcreek and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Ecological site: R022AE219CA, Cryic Volcanic Slope

Lithnip and similar soils
Extent: About 1 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: R022AY012NV, Barren Slope 20+ p.z.

Meiss and similar soils
Extent: About 1 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountains
Typical vegetation: Low sagebrush with a diversity of low-growing shrubs, forbs, and grasses
Ecological site: R022AE211CA, Shallow Andesite Ridge

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9162—Sky gravelly sandy loam, 30 to 50 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,165 to 8,740 feet (2,185 to 2,665 meters)
Mean annual precipitation: 31 to 67 inches (790 to 1,700 millimeters)
Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Sky—80 percent
Minor components—20 percent

Characteristics of Sky and similar soils

Slope: 30 to 50 percent
Aspect: North
Landform: Mountain slopes
Parent material: Colluvium over residuum derived from andesitic tuff
Typical vegetation: Subalpine mixed conifer forest with mountain hemlock, lodgepole pine, and red fir as the codominant species; a sparse understory that includes Brewer's aster, Ross' sedge, and several lupine species
Percentage of the surface covered by rock fragments: 0 to 10 percent by subangular stones and 0 to 10 percent by subangular cobbles
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.3 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE019CA, Tsuga mertensiana-Abies magnifica/Eucephalus breweri

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
Oa—1 to 2 inches (3 to 5 centimeters); highly decomposed plant material
A—2 to 3 inches (5 to 8 centimeters); gravelly medial sandy loam
E—3 to 5 inches (8 to 13 centimeters); cobbly sandy loam
Bw—5 to 24 inches (13 to 61 centimeters); very stony medial sandy loam
Cr—24 to 34 inches (61 to 86 centimeters); soft bedrock

Minor components

Melody and similar soils
Extent: About 10 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountain slopes
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Ecological site: R022AE219CA, Cryic Volcanic Slope

Mountrose and similar soils
Extent: About 4 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: A sparse cover of woolly mule-ears, coyote mint, and lupine and less than 25 percent cover of red fir, western white pine, Jeffrey pine, and whitebark pine
Ecological site: R022AE215CA, Deep Cryic Volcanic Slope

Wardcreek and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Ecological site: R022AE219CA, Cryic Volcanic Slope

Lithnip and similar soils
Extent: About 1 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: R022AY012NV, Barren Slope 20+ p.z.

Meiss and similar soils
Extent: About 1 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountains
Typical vegetation: Low sagebrush with a diversity of low-growing shrubs, forbs, and grasses
Ecological site: R022AE211CA, Shallow Andesite Ridge

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9163—Sky gravelly sandy loam, 50 to 70 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,165 to 8,445 feet (2,185 to 2,575 meters)
Mean annual precipitation: 41 to 63 inches (1,040 to 1,600 millimeters)
Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Sky—80 percent
Minor components—20 percent

Characteristics of Sky and similar soils

Slope: 50 to 70 percent
Aspect: Southwest to north
Landform: Mountain slopes
Parent material: Colluvium over residuum derived from andesitic tuff
Typical vegetation: Subalpine mixed conifer forest with mountain hemlock, lodgepole pine, and red fir as the codominant species; a sparse understory that includes Brewer's aster, Ross' sedge, and several lupine species
Percentage of the surface covered by rock fragments: 0 to 10 percent by subangular cobbles and 0 to 10 percent by subangular stones
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.3 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
- *Present annual flooding:* None
- *Present annual ponding:* None
- *Surface runoff class:* High
- *Current water table:* None noted
- *Natural drainage class:* Well drained
- *Hydrologic soil group:* B

Interpretive groups
- *Land capability (nonirrigated):* 8
- *Ecological site:* F022AE019CA, Tsuga mertensiana-Abies magnifica/Eucephalus breweri

Typical profile
- Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
- Oa—1 to 2 inches (3 to 5 centimeters); highly decomposed plant material
- A—2 to 3 inches (5 to 8 centimeters); gravelly medial sandy loam
- E—3 to 5 inches (8 to 13 centimeters); cobbly sandy loam
- Bw—5 to 24 inches (13 to 61 centimeters); very stony medial sandy loam
- Cr—24 to 34 inches (61 to 86 centimeters); soft bedrock

Minor components

Melody and similar soils
Extent: About 10 percent of the map unit
Slope: 50 to 70 percent
Landform: Mountain slopes
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Ecological site: R022AE219CA, Cryic Volcanic Slope

Mountrose and similar soils
Extent: About 4 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: A sparse cover of woolly mule-ears, coyote mint, and lupine and less than 25 percent cover of red fir, western white pine, Jeffrey pine, and whitebark pine
Ecological site: R022AE215CA, Deep Cryic Volcanic Slope

Wardcreek and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Ecological site: R022AE219CA, Cryic Volcanic Slope

Lithnip and similar soils
Extent: About 1 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: R022AY012NV, Barren Slope 20+ p.z.

Meiss and similar soils
Extent: About 1 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountains
Typical vegetation: Low sagebrush with a diversity of low-growing shrubs, forbs, and grasses
Ecological site: R022AE211CA, Shallow Andesite Ridge

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9164—Sky-Melody complex, 9 to 30 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains

Elevation: 6,905 to 8,955 feet (2,105 to 2,730 meters)
Mean annual precipitation: 35 to 63 inches (890 to 1,600 millimeters)
Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Sky—50 percent
Melody—40 percent
Minor components—10 percent

Characteristics of Sky and similar soils

Slope: 9 to 30 percent
Aspect: North to west
Landform: Mountain slopes
Parent material: Colluvium over residuum derived from andesitic tuff
Typical vegetation: Subalpine mixed conifer forest with mountain hemlock, lodgepole pine, and red fir as the codominant species; a sparse understory that includes Brewer's aster, Ross' sedge, and several lupine species
Percentage of the surface covered by rock fragments: 0 to 10 percent by subangular stones and 0 to 10 percent by subangular cobbles
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.3 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
- *Present annual flooding:* None
- *Present annual ponding:* None
- *Surface runoff class:* High
- *Current water table:* None noted
- *Natural drainage class:* Well drained
- *Hydrologic soil group:* B

Interpretive groups
- *Land capability (nonirrigated):* 6e
- *Ecological site:* F022AE019CA, Tsuga mertensiana-Abies magnifica/Eucephalus breweri

Typical profile
- Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
- Oa—1 to 2 inches (3 to 5 centimeters); highly decomposed plant material
- A—2 to 3 inches (5 to 8 centimeters); gravelly medial sandy loam
- E—3 to 5 inches (8 to 13 centimeters); cobbly sandy loam
- Bw—5 to 24 inches (13 to 61 centimeters); very stony medial sandy loam
- Cr—24 to 34 inches (61 to 86 centimeters); soft bedrock

Characteristics of Melody and similar soils

Slope: 9 to 30 percent
Aspect: North to west
Landform: Mountain slopes
Parent material: Colluvium derived from volcanic rocks
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees

Percentage of the surface covered by rock fragments: 1 to 15 percent by subangular boulders; 10 to 25 percent by subangular cobbles; 20 to 50 percent by coarse, subangular gravel; and 10 to 35 percent by subangular stones
Depth to a restrictive feature (lithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Moderate above the bedrock
Available water capacity to a depth of 60 inches: About 1.2 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: R022AE219CA, Cryic Volcanic Slope

Typical profile
Oi—0 to 1 inch (0 to 2 centimeters); slightly decomposed plant material
A—1 to 2 inches (2 to 5 centimeters); very cobbly ashy sandy loam
AC—2 to 9 inches (5 to 23 centimeters); very cobbly ashy sandy loam
C—9 to 15 inches (23 to 38 centimeters); very cobbly ashy sandy loam
R—15 to 25 inches (38 to 63 centimeters); bedrock

Minor components

Mountrose and similar soils
Extent: About 4 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: A sparse cover of woolly mule-ears, coyote mint, and lupine and less than 25 percent cover of red fir, western white pine, Jeffrey pine, and whitebark pine
Ecological site: R022AE215CA, Deep Cryic Volcanic Slope

Wardcreek and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Ecological site: R022AE219CA, Cryic Volcanic Slope

Lithnip and similar soils
Extent: About 1 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: R022AY012NV, Barren Slope 20+ p.z.

Meiss and similar soils
Extent: About 1 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountains

Typical vegetation: Low sagebrush with a diversity of low-growing shrubs, forbs, and grasses
Ecological site: R022AE211CA, Shallow Andesite Ridge

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9165—Sky-Melody complex, 30 to 50 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,035 to 8,725 feet (2,145 to 2,660 meters)
Mean annual precipitation: 29 to 63 inches (740 to 1,600 millimeters)
Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Sky—50 percent
Melody—40 percent
Minor components—10 percent

Characteristics of Sky and similar soils

Slope: 30 to 50 percent
Aspect: Northwest to southwest
Landform: Mountain slopes
Parent material: Colluvium over residuum derived from andesitic tuff
Typical vegetation: Subalpine mixed conifer forest with mountain hemlock, lodgepole pine, and red fir as the codominant species; a sparse understory that includes Brewer's aster, Ross' sedge, and several lupine species
Percentage of the surface covered by rock fragments: 0 to 10 percent by subangular cobbles and 0 to 10 percent by subangular stones
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.3 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 7e

Ecological site: F022AE019CA, Tsuga mertensiana-Abies magnifica/Eucephalus breweri

Typical profile

Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
Oa—1 to 2 inches (3 to 5 centimeters); highly decomposed plant material
A—2 to 3 inches (5 to 8 centimeters); gravelly medial sandy loam
E—3 to 5 inches (8 to 13 centimeters); cobbly sandy loam
Bw—5 to 24 inches (13 to 61 centimeters); very stony medial sandy loam
Cr—24 to 34 inches (61 to 86 centimeters); soft bedrock

Characteristics of Melody and similar soils

Slope: 30 to 50 percent
Aspect: Northwest to southwest
Landform: Mountain slopes
Parent material: Colluvium derived from volcanic rocks
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Percentage of the surface covered by rock fragments: 20 to 50 percent by coarse, subangular gravel; 1 to 15 percent by subangular boulders; 10 to 35 percent by subangular stones; and 10 to 25 percent by subangular cobbles
Depth to a restrictive feature (lithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Moderate above the bedrock
Available water capacity to a depth of 60 inches: About 1.2 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties

Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups

Land capability (nonirrigated): 7e
Ecological site: R022AE219CA, Cryic Volcanic Slope

Typical profile

Oi—0 to 1 inch (0 to 2 centimeters); slightly decomposed plant material
A—1 to 2 inches (2 to 5 centimeters); very cobbly ashy sandy loam
AC—2 to 9 inches (5 to 23 centimeters); very cobbly ashy sandy loam
C—9 to 15 inches (23 to 38 centimeters); very cobbly ashy sandy loam
R—15 to 25 inches (38 to 63 centimeters); bedrock

Minor components

Mountrose and similar soils

Extent: About 4 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: A sparse cover of woolly mule-ears, coyote mint, and lupine and less than 25 percent cover of red fir, western white pine, Jeffrey pine, and whitebark pine
Ecological site: R022AE215CA, Deep Cryic Volcanic Slope

Wardcreek and similar soils

Extent: About 3 percent of the map unit

Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Ecological site: R022AE219CA, Cryic Volcanic Slope

Lithnip and similar soils
Extent: About 1 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: R022AY012NV, Barren Slope 20+ p.z.

Meiss and similar soils
Extent: About 1 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountains
Typical vegetation: Low sagebrush with a diversity of low-growing shrubs, forbs, and grasses
Ecological site: R022AE211CA, Shallow Andesite Ridge

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9166—Sky-Melody complex, 50 to 70 percent slopes

Map unit setting

General location: The northwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,215 to 8,530 feet (2,200 to 2,600 meters)
Mean annual precipitation: 37 to 61 inches (940 to 1,550 millimeters)
Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Sky—50 percent
Melody—40 percent
Minor components—10 percent

Characteristics of Sky and similar soils

Slope: 50 to 70 percent
Aspect: East to north
Landform: Mountain slopes
Parent material: Colluvium over residuum derived from andesitic tuff
Typical vegetation: Subalpine mixed conifer forest with mountain hemlock, lodgepole pine, and red fir as the codominant species; a sparse understory that includes Brewer's aster, Ross' sedge, and several lupine species
Percentage of the surface covered by rock fragments: 0 to 10 percent by subangular cobbles and 0 to 10 percent by subangular stones

Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.3 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: F022AE019CA, Tsuga mertensiana-Abies magnifica/Eucephalus breweri

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
Oa—1 to 2 inches (3 to 5 centimeters); highly decomposed plant material
A—2 to 3 inches (5 to 8 centimeters); gravelly medial sandy loam
E—3 to 5 inches (8 to 13 centimeters); cobbly sandy loam
Bw—5 to 24 inches (13 to 61 centimeters); very stony medial sandy loam
Cr—24 to 34 inches (61 to 86 centimeters); soft bedrock

Characteristics of Melody and similar soils

Slope: 50 to 70 percent
Aspect: East to north
Landform: Mountain slopes
Parent material: Colluvium derived from volcanic rocks
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Percentage of the surface covered by rock fragments: 10 to 35 percent by subangular stones; 10 to 25 percent by subangular cobbles; 20 to 50 percent by coarse, subangular gravel; and 1 to 15 percent by subangular boulders
Depth to a restrictive feature (lithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Moderate above the bedrock
Available water capacity to a depth of 60 inches: About 1.2 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: R022AE219CA, Cryic Volcanic Slope

Typical profile
Oi—0 to 1 inch (0 to 2 centimeters); slightly decomposed plant material
A—1 to 2 inches (2 to 5 centimeters); very cobbly ashy sandy loam

AC—2 to 9 inches (5 to 23 centimeters); very cobbly ashy sandy loam
C—9 to 15 inches (23 to 38 centimeters); very cobbly ashy sandy loam
R—15 to 25 inches (38 to 63 centimeters); bedrock

Minor components

Mountrose and similar soils
Extent: About 4 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: A sparse cover of woolly mule-ears, coyote mint, and lupine and less than 25 percent cover of red fir, western white pine, Jeffrey pine, and whitebark pine
Ecological site: R022AE215CA, Deep Cryic Volcanic Slope

Wardcreek and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountain slopes
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Ecological site: R022AE219CA, Cryic Volcanic Slope

Lithnip and similar soils
Extent: About 1 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: R022AY012NV, Barren Slope 20+ p.z.

Meiss and similar soils
Extent: About 1 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountains
Typical vegetation: Low sagebrush with a diversity of low-growing shrubs, forbs, and grasses
Ecological site: R022AE211CA, Shallow Andesite Ridge

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9171—Mountrose-Wardcreek-Melody complex, 50 to 70 percent slopes

Map unit setting

General location: The northern end of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,050 to 10,330 feet (2,150 to 3,150 meters)
Mean annual precipitation: 31 to 63 inches (790 to 1,600 millimeters)

Mean annual air temperature: 37 to 43 degrees F (3 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Mountrose—35 percent
Wardcreek—25 percent
Melody—20 percent
Minor components—20 percent

Characteristics of Mountrose and similar soils

Slope: 30 to 70 percent
Aspect: Northeast to west
Landform: Mountain slopes
Parent material: Colluvium derived from volcanic rocks
Typical vegetation: A sparse cover of woolly mule-ears, coyote mint, and lupine and less than 25 percent cover of red fir, western white pine, Jeffrey pine, and whitebark pine
Percentage of the surface covered by rock fragments: 0 to 10 percent by subangular cobbles; 30 to 80 percent medium, subangular gravel; 0 to 10 percent by subangular stones; and 0 to 5 percent by subangular boulders
Restrictive feature: None noted
Slowest permeability: Slow
Available water capacity to a depth of 60 inches: About 3.6 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Well drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: R022AE215CA, Deep Cryic Volcanic Slope

Typical profile
A—0 to 4 inches (0 to 9 centimeters); medial loamy coarse sand
Bw1—4 to 15 inches (9 to 38 centimeters); gravelly medial coarse sandy loam
Bw2—15 to 29 inches (38 to 74 centimeters); extremely cobbly medial sandy loam
Bw3—29 to 59 inches (74 to 150 centimeters); extremely gravelly medial sandy loam

Characteristics of Wardcreek and similar soils

Slope: 30 to 70 percent
Aspect: Northeast to west
Landform: Mountain slopes
Parent material: Colluvium over residuum weathered from andesite
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Percentage of the surface covered by rock fragments: 30 percent by gravel, 20 percent by cobbles, and 10 percent by stones
Depth to a restrictive feature (lithic bedrock): 20 to 39 inches (50 to 100 centimeters)

Slowest permeability: Moderate above the bedrock
Available water capacity to a depth of 60 inches: About 1.9 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: R022AE219CA, Cryic Volcanic Slope

Typical profile
A—0 to 4 inches (0 to 9 centimeters); ashy very stony loam
AB—4 to 12 inches (9 to 30 centimeters); ashy very stony sandy loam
Bt—12 to 18 inches (30 to 45 centimeters); ashy very stony sandy loam
BC—18 to 25 inches (45 to 64 centimeters); ashy very stony sandy loam
R—25 to 35 inches (64 to 89 centimeters); bedrock

Characteristics of Melody and similar soils

Slope: 30 to 70 percent
Aspect: Northeast to west
Landform: Mountain slopes
Parent material: Colluvium derived from volcanic rocks
Typical vegetation: Shrubland dominated by mountain big sagebrush, antelope bitterbrush, and woolly mule-ears; also, a variety of forbs and a few red fir trees
Percentage of the surface covered by rock fragments: 1 to 15 percent by subangular boulders; 20 to 50 percent by coarse, subangular gravel; 10 to 25 percent by subangular cobbles; and 10 to 35 percent by subangular stones
Depth to a restrictive feature (lithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Moderate above the bedrock
Available water capacity to a depth of 60 inches: About 1.2 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very high
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: R022AE219CA, Cryic Volcanic Slope

Typical profile
Oi—0 to 1 inch (0 to 2 centimeters); slightly decomposed plant material
A—1 to 2 inches (2 to 5 centimeters); very cobbly ashy sandy loam
AC—2 to 9 inches (5 to 23 centimeters); very cobbly ashy sandy loam
C—9 to 15 inches (23 to 38 centimeters); very cobbly ashy sandy loam
R—15 to 25 inches (38 to 63 centimeters); bedrock

Minor components

Meiss and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountains
Typical vegetation: Low sagebrush with a diversity of low-growing shrubs, forbs, and grasses
Ecological site: R022AE211CA, Shallow Andesite Ridge

Rock outcrop
Extent: About 5 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Rubble land
Extent: About 5 percent of the map unit
Slope: 30 to 70 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Sky and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountain slopes
Typical vegetation: Subalpine mixed conifer forest with mountain hemlock, lodgepole pine, and red fir as the codominant species; a sparse understory that includes Brewer's aster, Ross' sedge, and several lupine species
Ecological site: F022AE019CA, Tsuga mertensiana-Abies magnifica/Eucephalus breweri

9401—Dagget very gravelly loamy coarse sand, 15 to 30 percent slopes, extremely bouldery

Map unit setting

General location: The eastern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,625 to 9,890 feet (2,325 to 3,015 meters)
Mean annual precipitation: 29 to 55 inches (740 to 1,400 millimeters)
Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Dagget very gravelly loamy coarse sand—75 percent
Minor components—25 percent

Characteristics of Dagget very gravelly loamy coarse sand and similar soils

Slope: 15 to 30 percent
Aspect: South to north

Landform: Mountain slopes
Parent material: Colluvium derived from granodiorite over grus
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Percentage of the surface covered by rock fragments: 10 to 40 percent by coarse, subrounded gravel; 2 to 20 percent by subrounded cobbles; 2 to 20 percent by subrounded stones; and 2 to 20 percent by subrounded boulders
Depth to a restrictive feature (paralithic bedrock): 39 to 59 inches (100 to 150 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.6 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 9 inches (3 to 23 centimeters); very gravelly loamy coarse sand
C—9 to 49 inches (23 to 125 centimeters); very gravelly loamy coarse sand
Cr—49 to 59 inches (125 to 150 centimeters); soft bedrock

Minor components

Temo and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountain slopes
Typical vegetation: Red fir, lodgepole pine, and western white pine over low-growing sub-shrubs and grasses, such as sulphur-flowered buckwheat and needlegrasses
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Witefels and similar soils
Extent: About 4 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Jobsis and similar soils
Extent: About 3 percent of the map unit
Slope: 8 to 30 percent
Landform: Mountains
Typical vegetation: None assigned

Ecological site: F022AY134NV, Pinus albicaulis/Carex-Poa

Rock outcrop
Extent: About 3 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Whittell and similar soils
Extent: About 3 percent of the map unit
Slope: 8 to 30 percent
Landform: Mountain slopes
Typical vegetation: Whitebark pine
Ecological site: F022AE001CA, Pinus albicaulis/Arabis platysperma

Cagwin and similar soils
Extent: About 2 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Cassenai, moist, and similar soils
Extent: About 2 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Toem and similar soils
Extent: About 2 percent of the map unit
Slope: 9 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9402—Dagget very gravelly loamy coarse sand, 30 to 50 percent slopes, extremely bouldery

Map unit setting

General location: The eastern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains

Landscape: Mountains
Elevation: 7,315 to 9,790 feet (2,230 to 2,985 meters)
Mean annual precipitation: 27 to 55 inches (690 to 1,400 millimeters)
Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Dagget very gravelly loamy coarse sand—75 percent
Minor components—25 percent

Characteristics of Dagget very gravelly loamy coarse sand and similar soils

Slope: 30 to 50 percent
Aspect: South to northwest
Landform: Mountain slopes
Parent material: Colluvium derived from granodiorite over grus
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Percentage of the surface covered by rock fragments: 2 to 20 percent by subrounded cobbles; 10 to 40 percent by coarse, subrounded gravel; 2 to 20 percent by subrounded stones; and 2 to 20 percent by subrounded boulders
Depth to a restrictive feature (paralithic bedrock): 39 to 59 inches (100 to 150 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.6 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 9 inches (3 to 23 centimeters); very gravelly loamy coarse sand
C—9 to 49 inches (23 to 125 centimeters); very gravelly loamy coarse sand
Cr—49 to 59 inches (125 to 150 centimeters); soft bedrock

Minor components

Temo and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountain slopes
Typical vegetation: Red fir, lodgepole pine, and western white pine over low-growing sub-shrubs and grasses, such as sulphur-flowered buckwheat and needlegrasses
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Witefels and similar soils
Extent: About 4 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Jobsis and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: F022AY134NV, Pinus albicaulis/Carex-Poa

Rock outcrop
Extent: About 3 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Whittell and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountain slopes
Typical vegetation: Whitebark pine
Ecological site: F022AE001CA, Pinus albicaulis/Arabis platysperma

Cagwin and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Cassenai, moist, and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Toem and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit

Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9403—Dagget very gravelly loamy coarse sand, 50 to 70 percent slopes, extremely bouldery

Map unit setting

General location: The eastern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,430 to 9,415 feet (2,265 to 2,870 meters)
Mean annual precipitation: 27 to 45 inches (690 to 1,140 millimeters)
Mean annual air temperature: 38 to 42 degrees F (4 to 6 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Dagget very gravelly loamy coarse sand—75 percent
Minor components—25 percent

Characteristics of Dagget very gravelly loamy coarse sand and similar soils

Slope: 50 to 70 percent
Aspect: Southwest to northwest
Landform: Mountain slopes
Parent material: Colluvium derived from granodiorite over grus
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Percentage of the surface covered by rock fragments: 2 to 20 percent by subrounded boulders, 2 to 20 percent by subrounded stones, 2 to 20 percent by subrounded cobbles, and 10 to 40 percent by coarse, subrounded gravel
Depth to a restrictive feature (paralithic bedrock): 39 to 59 inches (100 to 150 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.6 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
- *Present annual flooding:* None
- *Present annual ponding:* None
- *Surface runoff class:* Low
- *Current water table:* None noted
- *Natural drainage class:* Excessively drained
- *Hydrologic soil group:* A

Interpretive groups
- *Land capability (nonirrigated):* 8
- *Ecological site:* F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material

A—1 to 9 inches (3 to 23 centimeters); very gravelly loamy coarse sand
C—9 to 49 inches (23 to 125 centimeters); very gravelly loamy coarse sand
Cr—49 to 59 inches (125 to 150 centimeters); soft bedrock

Minor components

Temo and similar soils
Extent: About 5 percent of the map unit
Slope: 50 to 70 percent
Landform: Mountain slopes
Typical vegetation: Red fir, lodgepole pine, and western white pine over low-growing sub-shrubs and grasses, such as sulphur-flowered buckwheat and needlegrasses
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Witefels and similar soils
Extent: About 4 percent of the map unit
Slope: 50 to 70 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Jobsis and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: F022AY134NV, Pinus albicaulis/Carex-Poa

Rock outcrop
Extent: About 3 percent of the map unit
Slope: 50 to 70 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Whittell and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountain slopes
Typical vegetation: Whitebark pine
Ecological site: F022AE001CA, Pinus albicaulis/Arabis platysperma

Cagwin and similar soils
Extent: About 2 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Cassenai, moist, and similar soils
Extent: About 2 percent of the map unit
Slope: 50 to 70 percent

Landform: Hillslopes and mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Toem and similar soils
Extent: About 2 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Sandy slopes with a patchy cover of greenleaf manzanita, huckleberry oak, and a few scattered white fir and Jeffrey pine trees
Ecological site: R022AE210CA, Shallow Sandy Slope

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9404—Dagget very gravelly loamy coarse sand, moist, 5 to 15 percent slopes, rubbly

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,330 to 8,905 feet (2,235 to 2,715 meters)
Mean annual precipitation: 41 to 65 inches (1,040 to 1,650 millimeters)
Mean annual air temperature: 38 to 43 degrees F (4 to 6 degrees C)
Frost-free period: 50 to 125 days

Map unit composition

Dagget, moist—80 percent
Minor components—20 percent

Characteristics of Dagget, moist, and similar soils

Slope: 5 to 15 percent
Aspect: South to northeast
Landform: Mountain slopes
Parent material: Colluvium and/or till derived from granodiorite
Typical vegetation: Subalpine forest with lodgepole pine, mountain hemlock, and red fir; common shrubs—mountain heather and mountain spirea
Percentage of the surface covered by rock fragments: 10 to 20 percent by boulders, 10 to 20 percent by cobbles, and 10 to 20 percent by stones
Depth to a restrictive feature (paralithic bedrock): 39 to 59 inches (100 to 150 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.6 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Very low
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6s
Ecological site: F022AE014CA, Pinus contorta-Tsuga mertensiana/Phyllodoce breweri

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 9 inches (3 to 23 centimeters); very gravelly loamy coarse sand
C—9 to 49 inches (23 to 125 centimeters); very gravelly loamy coarse sand
Cr—49 to 59 inches (125 to 150 centimeters); soft bedrock

Minor components

Cassenai, moist, and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Rockbound very gravelly loam and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 30 percent
Landform: Glacial valley floors
Typical vegetation: Scattered Sierra juniper and Jeffrey pine trees with huckleberry oak and greenleaf manzanita in pockets and a high diversity of annuals and perennials
Ecological site: R022AE202CA, Granitic Pocket

Jobsis and similar soils
Extent: About 2 percent of the map unit
Slope: 8 to 30 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: F022AY134NV, Pinus albicaulis/Carex-Poa

Oxyaquic Cryorthents and similar soils
Extent: About 2 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Temo and similar soils
Extent: About 2 percent of the map unit
Slope: 5 to 15 percent
Landform: Mountain slopes

Typical vegetation: Red fir, lodgepole pine, and western white pine over low-growing sub-shrubs and grasses, such as sulphur-flowered buckwheat and needlegrasses
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Whittell and similar soils
Extent: About 2 percent of the map unit
Slope: 8 to 30 percent
Landform: Mountain slopes
Typical vegetation: Whitebark pine
Ecological site: F022AE001CA, Pinus albicaulis/Arabis platysperma

Witefels and similar soils
Extent: About 2 percent of the map unit
Slope: 5 to 15 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

9405—Dagget very gravelly loamy coarse sand, moist, 15 to 30 percent slopes, rubbly

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,050 to 9,645 feet (2,150 to 2,940 meters)
Mean annual precipitation: 39 to 65 inches (990 to 1,650 millimeters)
Mean annual air temperature: 38 to 43 degrees F (4 to 6 degrees C)
Frost-free period: 50 to 125 days

Map unit composition

Dagget, moist—80 percent
Minor components—20 percent

Characteristics of Dagget, moist, and similar soils

Slope: 15 to 30 percent
Aspect: Southwest to east
Landform: Mountain slopes
Parent material: Colluvium and/or till derived from granodiorite
Typical vegetation: Subalpine forest with lodgepole pine, mountain hemlock, and red fir; common shrubs—mountain heather and mountain spirea
Percentage of the surface covered by rock fragments: 10 to 20 percent by boulders, 10 to 20 percent by stones, and 10 to 20 percent by cobbles
Depth to a restrictive feature (paralithic bedrock): 39 to 59 inches (100 to 150 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.6 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE014CA, Pinus contorta-Tsuga mertensiana/Phyllodoce breweri

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 9 inches (3 to 23 centimeters); very gravelly loamy coarse sand
C—9 to 49 inches (23 to 125 centimeters); very gravelly loamy coarse sand
Cr—49 to 59 inches (125 to 150 centimeters); soft bedrock

Minor components

Cassenai, moist, and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Rockbound very gravelly loam and similar soils
Extent: About 5 percent of the map unit
Slope: 5 to 30 percent
Landform: Glacial valley floors
Typical vegetation: Scattered Sierra juniper and Jeffrey pine trees with huckleberry oak and greenleaf manzanita in pockets and a high diversity of annuals and perennials
Ecological site: R022AE202CA, Granitic Pocket

Jobsis and similar soils
Extent: About 2 percent of the map unit
Slope: 8 to 30 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: F022AY134NV, Pinus albicaulis/Carex-Poa

Oxyaquic Cryorthents and similar soils
Extent: About 2 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Temo and similar soils
Extent: About 2 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountain slopes

Typical vegetation: Red fir, lodgepole pine, and western white pine over low-growing sub-shrubs and grasses, such as sulphur-flowered buckwheat and needlegrasses
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Whittell and similar soils
Extent: About 2 percent of the map unit
Slope: 8 to 30 percent
Landform: Mountain slopes
Typical vegetation: Whitebark pine
Ecological site: F022AE001CA, Pinus albicaulis/Arabis platysperma

Witefels and similar soils
Extent: About 2 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

9406—Dagget very gravelly loamy coarse sand, moist, 30 to 70 percent slopes, rubbly

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,985 to 9,380 feet (2,130 to 2,860 meters)
Mean annual precipitation: 39 to 65 inches (990 to 1,650 millimeters)
Mean annual air temperature: 38 to 43 degrees F (4 to 6 degrees C)
Frost-free period: 50 to 125 days

Map unit composition

Dagget, moist—80 percent
Minor components—20 percent

Characteristics of Dagget, moist, and similar soils

Slope: 30 to 70 percent
Aspect: South to east
Landform: Mountain slopes
Parent material: Colluvium and/or till derived from granodiorite
Typical vegetation: Subalpine forest with lodgepole pine, mountain hemlock, and red fir; common shrubs—mountain heather and mountain spirea
Percentage of the surface covered by rock fragments: 10 to 20 percent by boulders, 10 to 20 percent by cobbles, and 10 to 20 percent by stones
Depth to a restrictive feature (paralithic bedrock): 39 to 59 inches (100 to 150 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.6 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: F022AE014CA, Pinus contorta-Tsuga mertensiana/Phyllodoce breweri

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 9 inches (3 to 23 centimeters); very gravelly loamy coarse sand
C—9 to 49 inches (23 to 125 centimeters); very gravelly loamy coarse sand
Cr—49 to 59 inches (125 to 150 centimeters); soft bedrock

Minor components

Cassenai, moist, and similar soils
Extent: About 5 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Rockbound very stony loam and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 70 percent
Landform: Glacial valley walls
Typical vegetation: Scattered Sierra juniper and Jeffrey pine trees with huckleberry oak and greenleaf manzanita in pockets and a high diversity of annuals and perennials
Ecological site: R022AE202CA, Granitic Pocket

Jobsis and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: F022AY134NV, Pinus albicaulis/Carex-Poa

Oxyaquic Cryorthents and similar soils
Extent: About 2 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

Temo and similar soils
Extent: About 2 percent of the map unit
Slope: 50 to 70 percent
Landform: Mountain slopes

Typical vegetation: Red fir, lodgepole pine, and western white pine over low-growing sub-shrubs and grasses, such as sulphur-flowered buckwheat and needlegrasses
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Whittell and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountain slopes
Typical vegetation: Whitebark pine
Ecological site: F022AE001CA, Pinus albicaulis/Arabis platysperma

Witefels and similar soils
Extent: About 2 percent of the map unit
Slope: 50 to 70 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

9407—Dagget-Rock outcrop complex, moist, 30 to 70 percent slopes

Map unit setting

General location: The southwestern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,410 to 9,315 feet (2,260 to 2,840 meters)
Mean annual precipitation: 49 to 65 inches (1,240 to 1,650 millimeters)
Mean annual air temperature: 38 to 43 degrees F (4 to 6 degrees C)
Frost-free period: 50 to 125 days

Map unit composition

Dagget, moist—55 percent
Rock outcrop, granitic—25 percent
Minor components—20 percent

Characteristics of Dagget, moist, and similar soils

Slope: 30 to 70 percent
Aspect: West to northeast
Landform: Mountain slopes
Parent material: Colluvium and/or till derived from granodiorite
Typical vegetation: Subalpine forest with lodgepole pine, mountain hemlock, and red fir; common shrubs—mountain heather and mountain spirea
Percentage of the surface covered by rock fragments: 10 to 20 percent by cobbles, 10 to 20 percent by stones, and 10 to 20 percent by boulders
Depth to a restrictive feature (paralithic bedrock): 39 to 59 inches (100 to 150 centimeters)
Slowest permeability: Very slow above the bedrock

Available water capacity to a depth of 60 inches: About 2.6 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: F022AE014CA, Pinus contorta-Tsuga mertensiana/Phyllodoce breweri

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 9 inches (3 to 23 centimeters); very gravelly loamy coarse sand
C—9 to 49 inches (23 to 125 centimeters); very gravelly loamy coarse sand
Cr—49 to 59 inches (125 to 150 centimeters); soft bedrock

Characteristics of Rock outcrop, granitic

Slope: 30 to 70 percent
Aspect: West to northeast
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Surface runoff class: Very high
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Temo and similar soils
Extent: About 5 percent of the map unit
Slope: 50 to 70 percent
Landform: Mountain slopes
Typical vegetation: Red fir, lodgepole pine, and western white pine over low-growing sub-shrubs and grasses, such as sulphur-flowered buckwheat and needlegrasses
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Witefels and similar soils
Extent: About 5 percent of the map unit
Slope: 50 to 70 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory

Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Whittell and similar soils
Extent: About 4 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountain slopes
Typical vegetation: Whitebark pine
Ecological site: F022AE001CA, Pinus albicaulis/Arabis platysperma

Cassenai, moist, and similar soils
Extent: About 2 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Jobsis and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: F022AY134NV, Pinus albicaulis/Carex-Poa

Oxyaquic Cryorthents and similar soils
Extent: About 2 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9411—Freelpeak-Windyridge-Rock outcrop complex, 15 to 75 percent slopes

Map unit setting

Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 8,995 to 11,000 feet (2,743 to 3,353 meters)
Mean annual precipitation: 40 to 55 inches (1,016 to 1,397 millimeters)
Mean annual air temperature: 34 to 37 degrees F (1 to 3 degrees C)
Frost-free period: 20 to 30 days

Map unit composition

Freelpeak—50 percent
Windyridge—25 percent
Rock outcrop—10 percent
Minor components—15 percent

Characteristics of Freelpeak and similar soils

Slope: 30 to 75 percent
Aspect: None noted

Landform: Mountains
Parent material: Colluvium derived from granodiorite over residuum derived from granodiorite
Typical vegetation: Needlegrass, bluegrass, perennial forbs, and shrubs
Percentage of the surface covered by rock fragments: 25 to 75 percent by coarse gravel, 15 to 50 percent by cobbles, 5 to 25 percent by stones, and 0 to 5 percent by boulders
Depth to a restrictive feature (paralithic bedrock): 20 to 40 inches (50 to 102 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 1.9 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: B

Interpretive groups
Land capability (nonirrigated): 8e
Ecological site: R022AY032NV, Alpine Ridge

Typical profile
C—0 to 2 inches (0 to 4 centimeters); gravel
2A—2 to 4 inches (4 to 9 centimeters); extremely gravelly coarse sand
2Bw—4 to 8 inches (9 to 21 centimeters); very gravelly sand
2C—8 to 36 inches (21 to 91 centimeters); very cobbly loamy fine sand
3Cr—36 inches (91 centimeters); bedrock

Characteristics of Windyridge and similar soils

Slope: 15 to 30 percent
Aspect: None noted
Landform: Mountains
Parent material: Colluvium derived from granodiorite over residuum derived from granodiorite
Typical vegetation: Needlegrass, shrubs, bluegrass, and perennial forbs
Percentage of the surface covered by rock fragments: 0 to 4 percent by stones, 10 to 20 percent by coarse gravel, 0 to 10 percent by cobbles, and 40 to 60 percent by fine gravel
Depth to a restrictive feature (paralithic bedrock): 4 to 10 inches (10 to 25 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 0.4 inch (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 8s
Ecological site: R022AY032NV, Alpine Ridge

Typical profile
0 to 2 inches (0 to 5 centimeters); very gravelly loamy coarse sand
2 to 10 inches (5 to 25 centimeters); very gravelly loamy coarse sand
10 to 20 inches (25 to 51 centimeters); bedrock

Characteristics of Rock outcrop

Slope: 30 to 99 percent
Aspect: None noted
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Jobsis and similar soils
Extent: About 8 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountains
Typical vegetation: Whitebark pine, perennial forbs, and bluegrass
Ecological site: R022AY051NV, Krummholz

Whittell and similar soils
Extent: About 3 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: Whitebark pine
Ecological site: F022AE001CA, Pinus albicaulis/Arabis platysperma

Waterpeak and similar soils
Extent: About 2 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountains
Typical vegetation: Mountain brome, mountain big sagebrush, antelope bitterbrush, and western needlegrass
Ecological site: R022AY021NV, South Slope 30+ p.z.

Buggin and similar soils
Extent: About 1 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountains
Typical vegetation: Snowberry, needlegrass, curlleaf mountainmahogany, and bluegrass
Ecological site: R022AY025NV, Mahogany Thicket

Glaciers
Extent: About 1 percent of the map unit
Slope: 15 to 75 percent
Landform: Glaciers
Typical vegetation: None assigned
Ecological site: None assigned

9421—Jobsis-Whittell-Rock outcrop complex, cool, 8 to 30 percent slopes

Map unit setting

Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 8,995 to 12,000 feet (2,743 to 3,659 meters)
Mean annual precipitation: 35 to 55 inches (889 to 1,397 millimeters)
Mean annual air temperature: 34 to 37 degrees F (1 to 3 degrees C)
Frost-free period: 25 to 45 days

Map unit composition

Jobsis—45 percent
Whittell—25 percent
Rock outcrop—15 percent
Minor components—15 percent

Characteristics of Jobsis and similar soils

Slope: 8 to 30 percent
Aspect: None noted
Landform: Mountains
Parent material: Colluvium derived from granodiorite over residuum derived from granodiorite
Typical vegetation: Whitebark pine
Percentage of the surface covered by rock fragments: 2 to 8 percent by stones, 10 to 20 percent by fine gravel, 10 to 20 percent by boulders, and 5 to 15 percent by coarse gravel
Depth to a restrictive feature (paralithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 0.8 inch (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 7s
Ecological site: F022AY134NV, Pinus albicaulis/Carex-Poa

Typical profile

A—0 to 5 inches (0 to 13 centimeters); very gravelly loamy coarse sand
Bw—5 to 17 inches (13 to 43 centimeters); very gravelly loamy coarse sand
2C—17 to 20 inches (43 to 50 centimeters); very gravelly coarse sand
2Cr—20 inches (50 centimeters); bedrock

Characteristics of Whittell and similar soils

Slope: 8 to 30 percent
Aspect: East to southwest
Landform: Mountains
Parent material: Colluvium derived from granodiorite over residuum derived from granodiorite
Typical vegetation: Whitebark pine
Percentage of the surface covered by rock fragments: 2 to 20 percent by subrounded boulders, 0 to 15 percent by subrounded cobbles, 1 to 15 percent by subrounded stones, and 45 to 90 percent by angular gravel
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 1.1 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties

Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: C

Interpretive groups

Land capability (nonirrigated): 7e
Ecological site: F022AE001CA, Pinus albicaulis/Arabis platysperma

Typical profile

Oi—0 inches (0 to 1 centimeter); slightly decomposed plant material
A—0 to 7 inches (1 to 18 centimeters); very cobbly loamy coarse sand
Bw—7 to 20 inches (18 to 50 centimeters); very stony loamy coarse sand
C—20 to 32 inches (50 to 82 centimeters); extremely stony loamy coarse sand
Cr—32 inches (82 centimeters); bedrock

Characteristics of Rock outcrop

Slope: 15 to 99 percent
Aspect: None noted
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties

Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups

Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Typic Cryorthents and similar soils
Extent: About 4 percent of the map unit
Slope: 8 to 30 percent
Landform: Mountains
Typical vegetation: Whitebark pine
Ecological site: F022AY134NV, Pinus albicaulis/Carex-Poa

Windyridge and similar soils
Extent: About 4 percent of the map unit
Slope: 8 to 30 percent
Landform: Mountains
Typical vegetation: Needlegrass and bluegrass
Ecological site: R022AY032NV, Alpine Ridge

Klauspeak and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountains
Typical vegetation: California red fir, lodgepole pine, snowberry, mountain big sagebrush, wild mint, currant, lupine, mountain brome, and western needlegrass
Ecological site: F022AY118NV, Abies magnifica-Pinus contorta/Artemisia tridentata ssp. vaseyana/Bromus marginatus-Achnatherum occidentale ssp. occidentale

Shalgran and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: Jeffrey pine, snowbrush ceanothus, snowberry, Sierra chinkapin, and pinemat manzanita
Ecological site: F022AY120NV, Pinus jeffreyi/Arctostaphylos nevadensis/ Achnatherum lettermanii

Buggin and similar soils
Extent: About 1 percent of the map unit
Slope: 8 to 30 percent
Landform: Mountains
SEX*Typical vegetation:* Curlleaf mountainmahogany, mountain big sagebrush, bluegrass, and needlegrass
Ecological site: R022AY024NV, Mahogany Savanna

Typic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 4 to 30 percent
Landform: Mountains
Typical vegetation: Whitebark pine and Ross' sedge
Ecological site: F022AY109NV, Pinus contorta-Tsuga mertensiana/Carex

Waterpeak and similar soils
Extent: About 1 percent of the map unit
Slope: 8 to 30 percent
Landform: Mountains
Typical vegetation: Antelope bitterbrush, mountain big sagebrush, mountain brome, and western needlegrass
Ecological site: R022AY021NV, South Slope 30+ p.z.

9431—Sofgran-Klauspeak-Temo association, 15 to 50 percent slopes

Map unit setting

Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,995 to 8,995 feet (2,438 to 2,743 meters)
Mean annual precipitation: 35 to 55 inches (889 to 1,397 millimeters)
Mean annual air temperature: 36 to 39 degrees F (2 to 4 degrees C)
Frost-free period: 30 to 60 days

Map unit composition

Sofgran—40 percent
Klauspeak—30 percent
Temo—15 percent
Minor components—15 percent

Characteristics of Sofgran and similar soils

Slope: 15 to 50 percent
Aspect: None noted
Landform: Mountains
Parent material: Colluvium derived from granodiorite over residuum derived from granodiorite
Typical vegetation: An overstory of California red fir, lodgepole pine, and an understory of Ross' sedge, bluegrass, pinemat manzanita, and western needlegrass
Percentage of the surface covered by rock fragments: 1 to 5 percent by boulders, 0 to 2 percent by stones, 0 to 10 percent by cobbles, 2 to 8 percent by coarse gravel, and 10 to 20 percent by fine gravel
Depth to a restrictive feature (paralithic bedrock): 60 to 80 inches (152 to 203 centimeters)
Slowest permeability: Rapid
Available water capacity to a depth of 60 inches: About 2.5 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
- *Present annual flooding:* None
- *Present annual ponding:* None
- *Surface runoff class:* Medium
- *Current water table:* None noted
- *Natural drainage class:* Somewhat excessively drained
- *Hydrologic soil group:* A

Interpretive groups
- *Land capability (nonirrigated):* 6e
- *Ecological site:* F022AY106NV, Pinus contorta-Abies magnifica/Arctostaphylos nevadensis/Achnatherum occidentale ssp. occidentale-Carex rossii

Typical profile
- A1—0 to 3 inches (0 to 8 centimeters); gravelly loamy coarse sand
- A2—3 to 6 inches (8 to 15 centimeters); gravelly loamy coarse sand
- Bw1—6 to 9 inches (15 to 23 centimeters); very gravelly loamy coarse sand
- Bw2—9 to 19 inches (23 to 48 centimeters); very gravelly loamy coarse sand
- Bw3—19 to 27 inches (48 to 69 centimeters); very gravelly coarse sand

Bw4—27 to 45 inches (69 to 114 centimeters); extremely gravelly loamy coarse sand
Bw5—45 to 60 inches (114 to 152 centimeters); very gravelly loamy coarse sand

Characteristics of Klauspeak and similar soils

Slope: 15 to 50 percent
Aspect: None noted
Landform: Mountains
Parent material: Colluvium derived from granodiorite
Typical vegetation: An overstory of California red fir and lodgepole pine and an understory of snowberry, currant, mountain brome, mountain big sagebrush, western needlegrass, and lupine
Percentage of the surface covered by rock fragments: 5 to 15 percent by fine gravel, 2 to 8 percent by boulders, 2 to 8 percent by coarse gravel, and 2 to 8 percent by stones
Depth to a restrictive feature (paralithic bedrock): 60 to 80 inches (152 to 203 centimeters)
Slowest permeability: Rapid
Available water capacity to a depth of 60 inches: About 3.5 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AY118NV, Abies magnifica-Pinus contorta/Artemisia tridentata ssp. vaseyana/Bromus marginatus-Achnatherum occidentale ssp. occidentale

Typical profile
A1—0 to 5 inches (0 to 13 centimeters); gravelly loamy sand
A2—5 to 16 inches (13 to 41 centimeters); gravelly loamy sand
Bw1—16 to 22 inches (41 to 56 centimeters); very stony loamy sand
Bw2—22 to 40 inches (56 to 102 centimeters); very stony loamy coarse sand
C—40 to 60 inches (102 to 152 centimeters); very cobbly coarse sand

Characteristics of Temo and similar soils

Slope: 15 to 50 percent
Aspect: None noted
Landform: Mountains
Parent material: Colluvium derived from granodiorite over residuum derived from granodiorite
Typical vegetation: Lodgepole pine
Percentage of the surface covered by rock fragments: 2 to 8 percent by boulders, 0 to 10 percent by cobbles, 5 to 15 percent by coarse gravel, 15 to 25 percent by fine gravel, and 2 to 8 percent by stones
Depth to a restrictive feature (paralithic bedrock): 8 to 20 inches (20 to 51 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 0.8 inch (very low)

Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Typical profile
0 to 10 inches (0 to 25 centimeters); very gravelly loamy coarse sand
10 to 16 inches (25 to 41 centimeters); gravelly coarse sand
16 to 26 inches (41 to 66 centimeters); bedrock

Minor components

Rock outcrop
Extent: About 4 percent of the map unit
Slope: 15 to 99 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Shalgran and similar soils
Extent: About 4 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: Jeffrey pine, pinemat manzanita, snowbrush ceanothus, Sierra chinkapin, and snowberry
Ecological site: F022AY120NV, Pinus jeffreyi/Arctostaphylos nevadensis/Achnatherum lettermanii

Xeric Humicryepts and similar soils
Extent: About 3 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountains
Typical vegetation: Mountain hemlock
Ecological site: F022AY114NV, Tsuga mertensiana/Carex-Poa

Stumpatil and similar soils
Extent: About 2 percent of the map unit
Slope: 8 to 30 percent
Landform: Moraines
Typical vegetation: California red fir, lodgepole pine, western needlegrass, mountain big sagebrush, snowberry, wild mint, currant, lupine, and mountain brome
Ecological site: F022AY118NV, Abies magnifica-Pinus contorta/Artemisia tridentata ssp. vaseyana/Bromus marginatus-Achnatherum occidentale ssp. occidentale

Aquic Haplocryolls and similar soils
Extent: About 1 percent of the map unit
Slope: 4 to 30 percent
Landform: Mountains

Typical vegetation: Quaking aspen, willow, streambank wheatgrass, Woods' rose, Nevada bluegrass, slender wheatgrass, and carex
Ecological site: F022AY104NV, Populus tremuloides/Salix-Rosa woodsii/Poa-Elymus trachycaulus ssp. trachycaulus

Hopeval and similar soils
Extent: About 1 percent of the map unit
Slope: 2 to 8 percent
Landform: Flood plains
Typical vegetation: Creeping bentgrass, perennial grasses, carex, tufted hairgrass, Baltic rush, and bluegrass
Ecological site: R022AY017NV, Semi-Wet Meadow

9441—Temo-Witefels complex, 5 to 15 percent slopes

Map unit setting

General location: The eastern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,050 to 9,265 feet (2,150 to 2,825 meters)
Mean annual precipitation: 33 to 53 inches (840 to 1,350 millimeters)
Mean annual air temperature: 35 to 41 degrees F (2 to 5 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Temo—45 percent
Witefels—35 percent
Minor components—20 percent

Characteristics of Temo and similar soils

Slope: 5 to 15 percent
Aspect: Southeast to northeast
Landform: Mountain slopes
Parent material: Colluvium over residuum weathered from granodiorite
Typical vegetation: California red fir and lodgepole pine forest with a few western white pine and Sierra juniper trees; a low understory cover of shrubs and grasses
Percentage of the surface covered by rock fragments: 0 to 15 percent by boulders, 0 to 15 percent by stones, and 0 to 15 percent by cobbles
Depth to a restrictive feature (paralithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 0.6 inch (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Typical profile
A—0 to 10 inches (0 to 25 centimeters); gravelly coarse sand
C—10 to 16 inches (25 to 41 centimeters); gravelly coarse sand
Cr—16 to 26 inches (41 to 65 centimeters); soft bedrock

Characteristics of Witefels and similar soils

Slope: 5 to 15 percent
Aspect: Southeast to northeast
Landform: Mountain slopes
Parent material: Colluvium and/or residuum weathered from granodiorite
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Percentage of the surface covered by rock fragments: 0 to 15 percent by stones, 0 to 15 percent by cobbles, and 0 to 15 percent by boulders
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.2 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Low
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6s
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 9 inches (3 to 23 centimeters); gravelly loamy coarse sand
AC—9 to 14 inches (23 to 36 centimeters); gravelly loamy coarse sand
C—14 to 36 inches (36 to 91 centimeters); gravelly loamy coarse sand
Cr—36 to 39 inches (91 to 100 centimeters); soft bedrock

Minor components

Rock outcrop
Extent: About 10 percent of the map unit
Slope: 5 to 15 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Dagget very gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent

Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Cagwin and similar soils
Extent: About 4 percent of the map unit
Slope: 5 to 15 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9442—Temo-Witefels complex, 15 to 30 percent slopes

Map unit setting

General location: The eastern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,885 to 9,365 feet (2,100 to 2,855 meters)
Mean annual precipitation: 29 to 65 inches (740 to 1,650 millimeters)
Mean annual air temperature: 35 to 41 degrees F (2 to 5 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Temo—45 percent
Witefels—35 percent
Minor components—20 percent

Characteristics of Temo and similar soils

Slope: 15 to 30 percent
Aspect: Southeast to northwest
Landform: Mountain slopes
Parent material: Colluvium over residuum weathered from granodiorite
Typical vegetation: California red fir and lodgepole pine forest with a few western white pine and Sierra juniper trees; a low understory cover of shrubs and grasses
Percentage of the surface covered by rock fragments: 0 to 15 percent by stones, 0 to 15 percent by boulders, and 0 to 15 percent by cobbles
Depth to a restrictive feature (paralithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 0.6 inch (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Typical profile
A—0 to 10 inches (0 to 25 centimeters); gravelly coarse sand
C—10 to 16 inches (25 to 41 centimeters); gravelly coarse sand
Cr—16 to 26 inches (41 to 65 centimeters); soft bedrock

Characteristics of Witefels and similar soils

Slope: 15 to 30 percent
Aspect: Southeast to northwest
Landform: Mountain slopes
Parent material: Colluvium and/or residuum weathered from granodiorite
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Percentage of the surface covered by rock fragments: 0 to 15 percent by boulders, 0 to 15 percent by cobbles, and 0 to 15 percent by stones
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.2 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 6e
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 9 inches (3 to 23 centimeters); gravelly loamy coarse sand
AC—9 to 14 inches (23 to 36 centimeters); gravelly loamy coarse sand
C—14 to 36 inches (36 to 91 centimeters); gravelly loamy coarse sand
Cr—36 to 39 inches (91 to 100 centimeters); soft bedrock

Minor components

Rock outcrop
Extent: About 10 percent of the map unit

Slope: 15 to 30 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Dagget very gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 15 to 30 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Cagwin and similar soils
Extent: About 4 percent of the map unit
Slope: 15 to 30 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9443—Temo-Witefels complex, 30 to 50 percent slopes

Map unit setting

General location: The eastern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,920 to 9,465 feet (2,110 to 2,885 meters)
Mean annual precipitation: 29 to 65 inches (740 to 1,650 millimeters)
Mean annual air temperature: 35 to 41 degrees F (2 to 5 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Temo—45 percent
Witefels—35 percent
Minor components—20 percent

Characteristics of Temo and similar soils

Slope: 30 to 50 percent
Aspect: East to north
Landform: Mountain slopes
Parent material: Colluvium over residuum weathered from granodiorite
Typical vegetation: California red fir and lodgepole pine forest with a few western white pine and Sierra juniper trees; a low understory cover of shrubs and grasses

Percentage of the surface covered by rock fragments: 0 to 15 percent by cobbles, 0 to 15 percent by boulders, and 0 to 15 percent by stones
Depth to a restrictive feature (paralithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 0.6 inch (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Typical profile
A—0 to 10 inches (0 to 25 centimeters); gravelly coarse sand
C—10 to 16 inches (25 to 41 centimeters); gravelly coarse sand
Cr—16 to 26 inches (41 to 65 centimeters); soft bedrock

Characteristics of Witefels and similar soils

Slope: 30 to 50 percent
Aspect: East to north
Landform: Mountain slopes
Parent material: Colluvium and/or residuum weathered from granodiorite
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Percentage of the surface covered by rock fragments: 0 to 15 percent by boulders, 0 to 15 percent by stones, and 0 to 15 percent by cobbles
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.2 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material

A—1 to 9 inches (3 to 23 centimeters); gravelly loamy coarse sand
AC—9 to 14 inches (23 to 36 centimeters); gravelly loamy coarse sand
C—14 to 36 inches (36 to 91 centimeters); gravelly loamy coarse sand
Cr—36 to 39 inches (91 to 100 centimeters); soft bedrock

Minor components

Rock outcrop
Extent: About 10 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Dagget very gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 30 to 50 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Cagwin and similar soils
Extent: About 4 percent of the map unit
Slope: 30 to 50 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9444—Temo-Witefels complex, 50 to 70 percent slopes

Map unit setting

General location: The eastern part of the Tahoe Basin
Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 6,905 to 9,350 feet (2,105 to 2,850 meters)
Mean annual precipitation: 29 to 61 inches (740 to 1,550 millimeters)
Mean annual air temperature: 35 to 41 degrees F (2 to 5 degrees C)
Frost-free period: 25 to 75 days

Map unit composition

Temo—45 percent
Witefels—35 percent
Minor components—20 percent

Characteristics of Temo and similar soils

Slope: 50 to 70 percent
Aspect: Northeast to west
Landform: Mountain slopes
Parent material: Colluvium over residuum weathered from granodiorite
Typical vegetation: California red fir and lodgepole pine forest with a few western white pine and Sierra juniper trees; a low understory cover of shrubs and grasses
Percentage of the surface covered by rock fragments: 0 to 15 percent by stones, 0 to 15 percent by cobbles, and 0 to 15 percent by boulders
Depth to a restrictive feature (paralithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 0.6 inch (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: F022AY121NV, Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii

Typical profile
A—0 to 10 inches (0 to 25 centimeters); gravelly coarse sand
C—10 to 16 inches (25 to 41 centimeters); gravelly coarse sand
Cr—16 to 26 inches (41 to 65 centimeters); soft bedrock

Characteristics of Witefels and similar soils

Slope: 50 to 70 percent
Aspect: Northeast to west
Landform: Mountain slopes
Parent material: Colluvium and/or residuum weathered from granodiorite
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Percentage of the surface covered by rock fragments: 0 to 15 percent by stones, 0 to 15 percent by cobbles, and 0 to 15 percent by boulders
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 2.2 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Somewhat excessively drained

Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 8
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Typical profile
Oi—0 to 1 inch (0 to 3 centimeters); slightly decomposed plant material
A—1 to 9 inches (3 to 23 centimeters); gravelly loamy coarse sand
AC—9 to 14 inches (23 to 36 centimeters); gravelly loamy coarse sand
C—14 to 36 inches (36 to 91 centimeters); gravelly loamy coarse sand
Cr—36 to 39 inches (91 to 100 centimeters); soft bedrock

Minor components

Rock outcrop
Extent: About 10 percent of the map unit
Slope: 50 to 70 percent
Landform: Mountains
Typical vegetation: None assigned
Ecological site: None assigned

Dagget very gravelly loamy coarse sand and similar soils
Extent: About 5 percent of the map unit
Slope: 50 to 70 percent
Landform: Mountain slopes
Typical vegetation: Red fir and western white pine forest with pinemat manzanita in the understory
Ecological site: F022AE010CA, Abies magnifica-Pinus monticola/Arctostaphylos nevadensis

Cagwin and similar soils
Extent: About 4 percent of the map unit
Slope: 50 to 70 percent
Landform: Hillslopes and mountain slopes
Typical vegetation: Open woodland of Jeffrey pine with a few white fir trees; high shrub cover of antelope bitterbrush, greenleaf manzanita, and several other montane chaparral species
Ecological site: F022AE021CA, Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula

Oxyaquic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 0 to 15 percent
Landform: Drainageways
Typical vegetation: Aspen grove with a dense understory of grasses and forbs
Ecological site: F022AE004CA, Populus tremuloides-Abies concolor/Elymus glaucus

9451—Waterpeak-Rock outcrop complex, 30 to 75 percent slopes

Map unit setting

Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 7,995 to 9,995 feet (2,438 to 3,048 meters)

Mean annual precipitation: 35 to 45 inches (889 to 1,143 millimeters)
Mean annual air temperature: 36 to 39 degrees F (2 to 4 degrees C)
Frost-free period: 30 to 60 days

Map unit composition

Waterpeak—80 percent
Rock outcrop—10 percent
Minor components—10 percent

Characteristics of Waterpeak and similar soils

Slope: 30 to 75 percent
Aspect: None noted
Landform: Mountains
Parent material: Colluvium derived from granodiorite over residuum derived from granodiorite
Typical vegetation: Antelope bitterbrush, mountain big sagebrush, mountain brome, and western needlegrass
Percentage of the surface covered by rock fragments: 2 to 8 percent by boulders, 0 to 10 percent by stones, 5 to 15 percent by coarse gravel, and 5 to 25 percent by fine gravel
Depth to a restrictive feature (paralithic bedrock): 60 to 80 inches (152 to 203 centimeters)
Slowest permeability: Moderately rapid
Available water capacity to a depth of 60 inches: About 4.8 inches (low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: Medium
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: A

Interpretive groups
Land capability (nonirrigated): 7s
Ecological site: R022AY021NV, South Slope 30+ p.z.

Typical profile
A1—0 to 5 inches (0 to 13 centimeters); very bouldery coarse sand
A2—5 to 18 inches (13 to 46 centimeters); very stony coarse sand
A3—18 to 27 inches (46 to 69 centimeters); very stony loamy coarse sand
Bw—27 to 60 inches (69 to 152 centimeters); very stony sandy loam

Characteristics of Rock outcrop

Slope: 15 to 99 percent
Aspect: None noted
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Shalgran and similar soils
Extent: About 4 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: Jeffrey pine, pinemat manzanita, snowbrush ceanothus, Sierra chinkapin, and snowberry
Ecological site: F022AY120NV, Pinus jeffreyi/Arctostaphylos nevadensis/ Achnatherum lettermanii

Typic Cryorthents and similar soils
Extent: About 4 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountains
Typical vegetation: Pine needlegrass, goldenweed, prairie junegrass, and low sagebrush
Ecological site: R022AY011NV, Mountain Ridge 30+ p.z.

Pachic Haplocryolls and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: Mountain big sagebrush, western needlegrass, mountain brome, and muttongrass
Ecological site: R022AY020NV, Prunus Pocket

9461—Whittell-Jobsis-Rock outcrop complex, cool, 30 to 75 percent slopes

Map unit setting

Major uses: Watershed, wildlife habitat, and recreation
MLRA: 22A—Sierra Nevada Mountains
Landscape: Mountains
Elevation: 8,995 to 12,000 feet (2,743 to 3,659 meters)
Mean annual precipitation: 35 to 55 inches (889 to 1,397 millimeters)
Mean annual air temperature: 34 to 37 degrees F (1 to 3 degrees C)
Frost-free period: 25 to 45 days

Map unit composition

Whittell—45 percent
Jobsis—25 percent
Rock outcrop—15 percent
Minor components—15 percent

Characteristics of Whittell and similar soils

Slope: 30 to 75 percent
Aspect: East to southwest
Landform: Mountains
Parent material: Colluvium derived from granodiorite over residuum derived from granodiorite

Typical vegetation: Whitebark pine
Percentage of the surface covered by rock fragments: 1 to 15 percent by subrounded stones, 0 to 15 percent by subrounded cobbles, 45 to 90 percent by angular gravel, and 2 to 20 percent by subrounded boulders
Depth to a restrictive feature (paralithic bedrock): 20 to 39 inches (50 to 100 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 1.1 inches (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: C

Interpretive groups
Land capability (nonirrigated): 7e
Ecological site: F022AE001CA, Pinus albicaulis/Arabis platysperma

Typical profile
Oi—0 inches (0 to 1 centimeter); slightly decomposed plant material
A—0 to 7 inches (1 to 18 centimeters); very cobbly loamy coarse sand
Bw—7 to 20 inches (18 to 50 centimeters); very stony loamy coarse sand
C—20 to 32 inches (50 to 82 centimeters); extremely stony loamy coarse sand
Cr—32 inches (82 centimeters); bedrock

Characteristics of Jobsis and similar soils

Slope: 30 to 75 percent
Aspect: None noted
Landform: Mountains
Parent material: Colluvium derived from granodiorite over residuum derived from granodiorite
Typical vegetation: Whitebark pine
Percentage of the surface covered by rock fragments: 5 to 15 percent by coarse gravel, 10 to 20 percent by fine gravel, 2 to 8 percent by stones, and 10 to 20 percent by boulders
Depth to a restrictive feature (paralithic bedrock): 10 to 20 inches (25 to 50 centimeters)
Slowest permeability: Very slow above the bedrock
Available water capacity to a depth of 60 inches: About 0.8 inch (very low)
Shrink-swell potential: Low (LEP of less than 3)

Hydrologic properties
Present annual flooding: None
Present annual ponding: None
Surface runoff class: High
Current water table: None noted
Natural drainage class: Somewhat excessively drained
Hydrologic soil group: D

Interpretive groups
Land capability (nonirrigated): 7s
Ecological site: F022AY134NV, Pinus albicaulis/Carex-Poa

Typical profile
A—0 to 5 inches (0 to 13 centimeters); very gravelly loamy coarse sand
Bw—5 to 17 inches (13 to 43 centimeters); very gravelly loamy coarse sand
2C—17 to 20 inches (43 to 50 centimeters); very gravelly coarse sand
2Cr—20 inches (50 centimeters); bedrock

Characteristics of Rock outcrop

Slope: 15 to 99 percent
Aspect: None noted
Landform: Mountains
Typical vegetation: None assigned
Percentage of the surface covered by rock fragments: 0 percent
Restrictive feature: Lithic bedrock at the surface

Hydrologic properties
Current water table: None noted
Hydrologic soil group: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Minor components

Jobsis and similar soils
Extent: About 4 percent of the map unit
Slope: 8 to 30 percent
Landform: Mountains
Typical vegetation: Limber pine and bluegrass
Ecological site: R022AY051NV, Krummholz

Windyridge and similar soils
Extent: About 4 percent of the map unit
Slope: 8 to 30 percent
Landform: Mountains
Typical vegetation: Bluegrass and needlegrass
Ecological site: R022AY032NV, Alpine Ridge

Klauspeak and similar soils
Extent: About 2 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountains
Typical vegetation: California red fir, lodgepole pine, western needlegrass, mountain big sagebrush, snowberry, wild mint, currant, lupine, and mountain brome
Ecological site: F022AY118NV, Abies magnifica-Pinus contorta/Artemisia tridentata ssp. vaseyana/Bromus marginatus-Achnatherum occidentale ssp. occidentale

Shalgran and similar soils
Extent: About 2 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: Jeffrey pine, snowberry, Sierra chinkapin, pinemat manzanita, and snowbrush ceanothus
Ecological site: F022AY120NV, Pinus jeffreyi/Arctostaphylos nevadensis/Achnatherum lettermanii

Buggin and similar soils
Extent: About 1 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: Bluegrass, needlegrass, mountain big sagebrush, and curlleaf mountainmahogany
Ecological site: R022AY024NV, Mahogany Savanna

Typic Cryorthents and similar soils
Extent: About 1 percent of the map unit
Slope: 15 to 50 percent
Landform: Mountains
Typical vegetation: Whitebark pine and Ross' sedge
Ecological site: F022AY109NV, Pinus contorta-Tsuga mertensiana/Carex

Waterpeak and similar soils
Extent: About 1 percent of the map unit
Slope: 30 to 75 percent
Landform: Mountains
Typical vegetation: Antelope bitterbrush, mountain big sagebrush, mountain brome, and western needlegrass
Ecological site: R022AY021NV, South Slope 30+ p.z.

W—Water

Map unit setting

MLRA: 22A—Sierra Nevada Mountains

Map unit composition

Water—100 percent

Characteristics of Water

Typical vegetation: None assigned

Interpretive groups
Land capability (nonirrigated): None assigned
Ecological site: None assigned

Use and Management of the Soils

This soil survey is an inventory and evaluation of the soils in the survey area. It can be used to adjust land uses to the limitations and potentials of natural resources and the environment. Also, it can help to prevent soil-related failures in land uses.

In preparing a soil survey, soil scientists, conservationists, engineers, and others collect extensive field data about the nature and behavioral characteristics of the soils. They collect data on erosion, droughtiness, flooding, and other factors that affect various soil uses and management. Field experience and collected data on soil properties and performance are used as a basis in predicting soil behavior.

Information in this section can be used to plan the use and management of soils for crops and pasture; as rangeland and forestland; and as sites for buildings, sanitary facilities, highways and other transportation systems, and parks and other recreational facilities. It can be used to identify the potentials and limitations of each soil for specific land uses and to help prevent construction failures caused by unfavorable soil properties.

Planners and others using soil survey information can evaluate the effect of specific land uses on productivity and on the environment in all or part of the survey area. The survey can help planners to maintain or create a land use pattern in harmony with the natural soil.

Contractors can use this survey to locate sources of sand and gravel, roadfill, and topsoil. They can use it to identify areas where bedrock, wetness, or very firm soil layers can cause difficulty in excavation.

Health officials, highway officials, engineers, and others may also find this survey useful. The survey can help them plan the safe disposal of wastes and locate sites for pavements, sidewalks, campgrounds, playgrounds, lawns, and trees and shrubs.

Interpretive Ratings

The interpretive tables in this survey rate the soils in the survey area for various uses. Many of the tables identify the limitations that affect specified uses and indicate the severity of those limitations. The ratings in these tables are both verbal and numerical.

Rating Class Terms

Rating classes are expressed in the tables in terms that indicate the extent to which the soils are limited by soil features that affect a specified use or in terms that indicate the suitability or potential of the soils for the use. Terms for limitation classes are *no limitations* and *limitations*, or they are *slight, moderate,* and *severe*. Terms for suitability ratings are *suited* and *unsuited,* or they are three or four of the following: *well suited, moderately suited, poorly suited,* and *unsuited.* Terms indicating potential are *good, fair,* and *poor*.

Numerical Ratings

Numerical ratings in the tables indicate the relative severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.00 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use and the point at which the soil feature is not a limitation. The limitations appear in order from the most limiting to the least limiting. Thus, if more than one limitation is identified, the most severe limitation is listed first and the least severe one is listed last.

Major Land Resource Area

A major land resource area (MLRA) is a broad geographic area that has a distinct combination of climate, topography, vegetation, land use, and general type of farming (USDA, 2006). Part of one of these nationally designated areas is in the Tahoe Basin area—the Sierra Nevada Mountains, MLRA 22A.

This MLRA is in California (98 percent) and western Nevada (2 percent). It makes up about 18,850 square miles (48,800 square kilometers). The Sierra Nevada is almost entirely coniferous forest used for forest products, wildlife habitat, watershed, and recreation. The dominant tree species are ponderosa pine, Douglas-fir, incense cedar, sugar pine, white fir, California red fir, Jeffrey pine, and lodgepole pine. The Sierra Nevada is a strongly asymmetric mountain range with a long, gentle western slope and a steep eastern escarpment. Most of the soils are Alfisols, Entisols, Inceptisols, Mollisols, and Ultisols. The soils generally have a mesic, frigid, or cryic soil temperature regime, depending largely on elevation; a xeric soil moisture regime; and mixed mineralogy. This MLRA is a major source of water. Much of this water is stored in large reservoirs and is used in the Sacramento and San Joaquin Valleys and in southern California. The erosion hazard is severe on the soils if the vegetative cover is depleted or destroyed by overgrazing or fire. Preventing and controlling wildland fires is a major resource management objective.

Ecological Subregions

The Lake Tahoe Basin is a drop-down block on the western edge of the Basin and Range Province. It is situated between the Sierra Nevada Mountain Range and the Carson Range. It is in five of the ecological subsections within the Sierra Nevada Ecological Section (M261E), as described in “Ecological Subregions in California” (Scott and Goudey, 1997). The northern part of the basin is in the Tahoe-Truckee Subsection (M261Ej). It is dominated by Cenozoic volcanic rocks (andesite, basalt, and pyroclastic rocks). The Upper Batholith and Volcanic Flows Subsection (M261Eh) and the Glaciated Batholith and Volcanic Flows Subsection (M261Ek) and are along the Sierra Nevada Crest, on the western side of the basin. These subsections are dominated by granite batholith and post-batholith volcanic rocks. Glaciation has shaped much of this area. The Tahoe Valley Subsection (M261El) occurs in the dropped section at the southern end of the basin. It is characterized by quaternary glacial till, outwash, lacustrine deposits, and alluvium. The Carson Range Subsection (M261Et) is along the northeastern and eastern sides of Lake Tahoe. It is dominantly granitic, with andesite rocks and lahar in the northern area. Glaciation was not extensive in this area.

The different subsections in this survey area tend to support different rangeland plant communities. Elevation in the survey area ranges from 6,200 to almost 11,000 feet. This range in elevation is accompanied by a range in annual temperature and precipitation, which have a dramatic effect on the rangeland plant communities. All

the rangeland plant communities in the survey area are adapted to heavy snow in winter and low precipitation in summer.

Land Capability Classification

Land capability classification shows, in a general way, the suitability of soils for most kinds of field crops. Crops that require special management are excluded. The soils are grouped according to their limitations for field crops, the risk of damage if they are used for crops, and the way they respond to management. The criteria used in grouping the soils do not include major and generally expensive landforming that would change slope, depth, or other characteristics of the soils, nor do they include possible but unlikely major reclamation projects. Capability classification is not a substitute for interpretations designed to show suitability and limitations of groups of soils for rangeland, for forestland, or for engineering purposes.

In the capability system, soils are generally grouped at three levels—capability class, subclass, and unit.

Capability classes, the broadest groups, are designated by the numbers 1 through 8. The numbers indicate progressively greater limitations and narrower choices for practical use. The classes are defined as follows:

Class 1 soils have slight limitations that restrict their use.

Class 2 soils have moderate limitations that restrict the choice of plants or that require moderate conservation practices.

Class 3 soils have severe limitations that restrict the choice of plants or that require special conservation practices, or both.

Class 4 soils have very severe limitations that restrict the choice of plants or that require very careful management, or both.

Class 5 soils are subject to little or no erosion but have other limitations, impractical to remove, that restrict their use mainly to pasture, rangeland, forestland, or wildlife habitat.

Class 6 soils have severe limitations that make them generally unsuitable for cultivation and that restrict their use mainly to pasture, rangeland, forestland, or wildlife habitat.

Class 7 soils have very severe limitations that make them unsuitable for cultivation and that restrict their use mainly to grazing, forestland, or wildlife habitat.

Class 8 soils and miscellaneous areas have limitations that preclude commercial plant production and that restrict their use to recreational purposes, wildlife habitat, watershed, or esthetic purposes.

Capability subclasses are soil groups within one class. They are designated by adding a small letter, *e, w, s,* or *c,* to the class numeral, for example, 2e. The letter *e* shows that the main hazard is the risk of erosion unless close-growing plant cover is maintained; *w* shows that water in or on the soil interferes with plant growth or cultivation (in some soils the wetness can be partly corrected by artificial drainage); *s* shows that the soil is limited mainly because it is shallow, droughty, or stony; and *c,* used in only some parts of the United States, shows that the chief limitation is climate that is very cold or very dry.

In class 1 there are no subclasses because the soils of this class have few limitations. Class 5 contains only the subclasses indicated by *w, s,* or *c* because the soils in class 5 are subject to little or no erosion. They have other limitations that restrict their use to pasture, rangeland, forestland, wildlife habitat, or recreation.

Capability units are soil groups within a subclass. The soils in a capability unit are enough alike to be suited to the same crops and pasture plants, to require similar management, and to have similar productivity. Capability units are generally

designated by adding an Arabic numeral to the subclass symbol, for example, 2e-4 and 3e-6. These units are not given for all of the soils in the survey area.

The capability classification of map units in this survey area is given in the section "Detailed Soil Map Units" and in table 5. The classification is given even though field crops are not currently grown in the Tahoe Basin. The classification system has potential alternative uses that may apply to the soils in the basin.

Forestland

By Marchel Munnecke, Natural Resources Conservation Service.

For the purposes of developing ecological site descriptions, forestland is a spatially defined site where the historic climax plant community was dominated by a minimum of 25 percent overstory canopy cover of tree species, as determined by a crown perimeter-vertical projection. The historic climax plant community in North America is defined as the plant community that existed at the time of European immigration and settlement. It developed in equilibrium with natural disturbances, such as drought, fire, and insects. During different points of disturbance, the historic plant community may be represented by different seral stages. Vegetation on forestland provides many habitat components, aids in controlling soil erosion, is suitable for grazing or browsing by wildlife, and offers scenic and recreational opportunities. Forestland is environmentally and economically important. For more information about NRCS national forestry policies, see the NRCS "National Forestry Manual," which is available online at http://policy.nrcs.usda.gov/scripts/lpsiis.dll/M/M_190_NFM.htm.

Characterization and Management of Forestland in the Lake Tahoe Basin

Because forested areas are used for many purposes, it is important to characterize forestland on the basis of its ability to produce various kinds, proportions, and amounts of plants. This ability and the resultant plant communities are largely dependent on the soils, climate, topography, aspect, elevation, slope, and other abiotic features of the landscape. To understand the soil-plant interactions and the effects of selected management practices, the Natural Resources Conservation Service has developed ecological sites. An ecological site is a distinctive kind of land with specific physical characteristics that differs from other kinds of land in its ability to produce a distinctive kind and amount of vegetation (USDA, "National Range and Pasture Handbook"). Seventeen forestland ecological sites were developed for this soil survey. Twelve forestland ecological sites developed for the Toiyabe National Forest are also correlated in this survey area.

The correlated soil types and plant communities identified in this survey area serve as the basis for the development of each ecological site description. Soil properties that affect moisture supply and plant nutrients, such as soil texture, depth, temperature, and parent material, have a significant influence on the productivity, composition, and distribution of forest plant communities. The tree species in this survey area occur within bands of their tolerance ranges for elevation, droughtiness, and annual precipitation. Elevation in this survey area ranges from 6,200 to 11,000 feet. Jeffrey pine and white fir dominate at the lower elevations, then grade into California red fir and western white pine at the mid elevations. Sierra lodgepole pine occurs in cold air drainages and wet areas at the lower elevations and are mixed with California red fir and mountain hemlock at the upper elevations. Whitebark pine forests occur at the upper limit of the forested areas. There is a precipitation gradient across the Lake Tahoe Basin watershed; annual precipitation increases from east to

west and from lower elevations to higher elevations. The Sierra Nevada Mountains along the west shore receive more precipitation in winter and hold the snow longer in spring than the Carson Range on the east shore. The combination of elevation, aspect, soil characteristics, and precipitation create a complex pattern of montane, subalpine, and alpine forest distribution. Red fir forest occurs on the west shore, almost to lake level in some areas but more commonly above 7,500 feet. On the east side of the Carson Range, Jeffrey pine communities dominate in droughty soils and the lower precipitation zone up to an elevation of 8,000 feet before red fir becomes dominant. Southern and western aspects commonly support pine forest communities or shrub-dominated rangeland sites because of the heat intensities, high evapotranspiration rates, and the resultant droughtiness. Northern and eastern aspects, which are exposed to less solar radiation, generally support fir or hemlock forests. The upper elevation range for tree species tends to be wider on southern aspects than on northern aspects.

The geology and glacial history of the survey area affect the distribution of forest communities. The geology is dominated by volcanic and granitic bedrock, with some metamorphic bedrock. Glaciation along the southern and western areas of the Lake Tahoe Basin has formed glacially scoured basins and valleys with moraines and outwash fans. The northern and eastern areas were not heavily glaciated, and the soils in these areas formed primarily in colluvium and residuum. Differences in soil properties affect the composition, production, and distribution of the plant communities. They are important in the correlation of ecological sites to individual soil components in the map units in the survey area.

Table 6 lists the overstory and understory canopy cover by map unit and soil component. Characteristic vegetation is listed by common name and by percent cover. See Appendix 1 for a list of the common and scientific names of the plants that commonly occur in the survey area.

General Characteristics of Forestland Ecological Sites

Complete ecological site descriptions can be obtained from the Natural Resources Conservation Service or downloaded from the NRCS Ecological Site Information System Web site at http://esis.sc.egov.usda.gov. To find the ecological sites linked to this survey area, select the “ESD” option and then select “Approved ESD Reports.” This survey area is in MLRA 22A in California and Nevada. See Appendix 2 for a complete list of the ecological sites in the survey area.

F022AE001CA—Pinus albicaulis/Arabis platysperma.—This site is on moderately sloping to steep mountainsides at elevations of 8,500 to 12,000 feet (fig. 5). The site is on all aspects, but it is generally on northwest- to south-facing slopes. Slopes range from 8 to 75 percent. The plant community is a whitebark pine (*Pinus albicaulis*) forest. A few mountain hemlocks (*Tsuga mertensiana*) and Sierra lodgepole pines (*Pinus contorta* var. *murrayana*) are intermixed. The understory is dominated by gravel and rock and has a low cover of herbaceous species. The soils associated with this site are moderately deep and formed in colluvium and residuum weathered from granodiorite. They are excessively drained, are less than 39 inches deep to paralithic contact, and are very slowly permeable. The available water capacity is very low (0.77 inch to 1.07 inches) above the paralithic contact. The surface layer is very cobbly loamy coarse sand, and subsurface textures are sandy.

F022AE002CA—Pinus contorta var. murrayana/Salix lemmonii.—This site is on level to gently sloping alluvial flats along the meadow and forest interface. It occurs primarily near lake level, along the south shore of Lake Tahoe, at elevations of 6,230

Figure 5.—An area of ecological site F022AE001CA.

and 6,500 feet. The historic plant community is a Sierra lodgepole pine (*Pinus contorta* var. *murrayana*) forest with a few large, scattered white fir (*Abies concolor*), Jeffrey pine (*Pinus jeffreyi*), and incense cedar (*Calocedrus decurrens*) trees. The understory is lush with willows (*Salix* spp.), grasses, and sedges. The soils associated with this site formed primarily in alluvium derived from granodiorite. They are very deep and have a surface layer of loamy coarse sand and finer textures in the

lower horizons. The subsurface horizons reveal different episodes of deposition; fine textured horizons may be from lake sediments. The C horizon has gleyed properties from prolonged periods of saturation. Mottles from the seasonal high water table occur below a depth of 14 inches. These soils are poorly drained and are slowly permeable. They have a moderate (5.91 to 7.52 inches) available water capacity in the upper 60 inches.

F022AE004CA—Populus tremuloides-Abies concolor/Elymus glaucus.—This site is in mountain drainages at elevations of 6,230 to 9,000 feet. It is on all aspects. Slopes range from 0 to 15 percent. The plant community is an aspen (*Populus tremuloides*) grove with a lush understory of forbs and grasses. White fir (*Abies concolor*) commonly encroaches on this community during extended periods without fire. Common plants include blue wildrye (*Elymus glaucus*), Gray's licorice-root (*Ligusticum grayi*), California false hellebore (*Veratrum californicum* var. *californicum*), Fendler's meadow-rue (*Thalictrum fendleri*), Oregon checkerbloom (*Sidalcea oregana* spp. *spicata*), sweetcicely (*Osmorhiza berteroi*), slender cinquefoil (*Potentilla gracilis* var. *fastigiata*), seep monkeyflower (*Mimulus guttatus*), scarlet paintbrush (*Castilleja miniata*), slim larkspur (*Delphinium depauperatum*), western buttercup (*Ranunculus occidentalis*), arrowleaf ragwort (*Senecio triangularis*), and Sierra lodgepole pine (*Pinus contorta* var. *murrayana*). This site is flooded during the spring snowmelt, and the water table remains at a depth of 20 to 30 inches from March to May. The water table drops below a depth of 60 inches in summer and fall. The soils associated with this site formed in alluvium and colluvium derived from mixed sources. They are very deep and moderately permeable. The runoff class is high. The surface layer is loamy coarse sand or sandy loam, and subsurface textures are similar. The soils have a very low to moderate (1.94 to 6.93 inches) available water capacity in the upper 60 inches.

F022AE005CA—Pinus contorta var. murrayana-Juniperus occidentalis/Ribes/Carex rossii.—This site is in areas of glacial outwash. It is on all aspects and at elevations of 6,230 to 7,500 feet. Slopes range from 0 to 9 percent. The largest area of this site is near Meyers, California, around the Upper Truckee River. The historic climax plant community was most likely a Sierra lodgepole pine (*Pinus contorta* var. *murrayana*) forest with a few large, scattered western juniper (*Juniperus occidentalis*), white fir (*Abies concolor*), and Jeffrey pine (*Pinus jeffreyi*) trees. The understory cover was probably moderate in the openings and probably included grasses, forbs, and scattered shrubs. The soils associated with this site formed primarily in granitic material and are somewhat poorly drained and slowly permeable. The surface runoff class is high. The available water capacity is very low (1.45 to 2.02 inches) above the hardpan. The surface layer is loamy coarse sand, and subsurface textures are sandy. The soils are deep to a root-restricting, cemented hardpan at a depth of about 45 inches. Redoximorphic features indicating a seasonal high water table occur at a depth of 23 inches.

F022AE006CA—Pinus jeffreyi-Abies concolor/Ceanothus cordulatus-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides.—This site is on glacial outwash terraces and moraines at elevations of 6,240 to 7,500 feet. It is near lake level along the south side of Lake Tahoe, commonly in developed areas. It is on all aspects but is generally on northwest- to southwest-facing slopes. Slopes range from 0 to 30 percent. The plant community is a Jeffrey pine (*Pinus jeffreyi*) forest. Shrubs and forbs are in open areas between the trees. The shrubs commonly occurring in the understory include greenleaf manzanita (*Arctostaphlos patula*), whitethorn ceanothus (*Ceanothus cordulatus*), and prostrate ceanothus (*Ceanothus prostratus*). The soils associated with this site formed primarily in granitic parent material. They are very deep and have sandy surface and subsurface horizons. They

are moderately well drained to somewhat excessively drained. Permeability is very slow to rapid. The surface runoff class is slow to high. The available water capacity is low to high (2.55 to 9.26 inches) in the upper 60 inches.

F022AE007CA—Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides.—This site is in areas of glacial outwash and moraines at elevations of 6,240 and 7,900 feet (fig. 6). It is on all aspects. Slopes range from 0 to 70 percent. This is a dense white fir (*Abies concolor*)

Figure 6.—An area of ecological site F022AE007CA.

and Jeffrey pine forest (*Pinus jeffreyi*) with some incense cedar (*Calocedrus decurrens*). The understory is sparse because of a heavy tree canopy cover. The most common understory plants are western needlegrass (*Achnatherum occidentale*), whitethorn ceanothus (*Ceanothus cordulatus*), sanddune wallflower (*Erysimum capitatum* var. *perenne*), milk kelloggia (*Kelloggia galioides*), Brown's peony (*Paeonia brownii*), pinewoods lousewort (*Pedicularis semibarbata*), lambstongue ragwort (*Senecio integerrimus*), and creeping snowberry (*Symphoricarpos mollis*). This site is associated with several soils that, in areas of glacial outwash and moraines, formed in mixed granitic and volcanic material, in colluvium derived from till over andesitic rocks, or in material weathered from andesitic tuff. The soils are very deep to moderately deep and are sandy. They are moderately well drained to somewhat excessively drained and are impermeable to rapidly permeable. The surface runoff class is low to high. The available water capacity is low to high (2.80 to 10.3 inches) in the upper 60 inches.

F022AE008CA—Abies magnifica-Abies concolor/Symphoricarpos mollis-Ribes cereum/Eucephalus breweri-Thalictrum fendleri.—This site is on a glacial valley floor on the side of a mountain. It is primarily in the Ward Creek Watershed on the west side of Lake Tahoe, near Paige Meadows. It is on all aspects but is generally on northeast- to southeast-facing slopes. Elevations range from 6,240 to 7,500 feet. Slopes range from 5 to 60 percent. This community is dominated by a multilayered forest of California red fir (*Abies magnifica*) and white fir (*Abies concolor*) with a few Jeffrey pine (*Pinus jeffreyi*) trees. The understory cover is moderate. It includes shrubs, forbs, and grasses. Common plants include greenleaf manzanita (*Arctostaphylos patula*), little prince's pine (*Chimaphila menziesii*), rose thistle (*Cirsium andersonii*), Brewer's aster (*Eucephalus breweri*), mountain monardella (*Monardella odoratissima*), whitevein shinleaf (*Pyrola picta*), wax currant (*Ribes cereum*), and creeping snowberry (*Symphoricarpos mollis*). The site is associated with Paige soils, which formed in ablation till over lodgement till derived from pyroclastic rocks. The soils are deep over bedrock and have a surface layer of sandy loam and subsurface texture of cobbly sandy loam. They are well drained and slowly permeable. The surface runoff class is low to high. The available water capacity is high (8.51 to 9.97 inches) in the upper 60 inches.

F022AE009CA—Pinus contorta var. murrayana/Elymus elymoides.—This site is in areas of glacial outwash at elevations of 6,250 feet to 6,800 feet. It is on all aspects. Slopes range from 0 to 15 percent. The largest area of this site is off Pioneer Trail in South Lake Tahoe. This is a Sierra lodgepole pine (*Pinus contorta* var. *murrayana*) forest with a few white fir (*Abies concolor*) and Jeffrey pine (*Pinus jeffreyi*) trees. The understory is sparse with scattered grasses. Ross' sedge (*Carex rossii*) and squirreltail (*Elymus elymoides*) are common along with a variety of other grasses (*Poa* spp.). This site is associated with Oneidas soils. The surface layer is coarse sandy loam, which continues into the subsurface horizons. The soils have several argillic horizons and a weak fragipan beginning at a depth of 30 inches. The fragipan can restrict roots. Redoximorphic concentrations and depletions begin at a depth of 12 inches and occur throughout the rest of the profile. The soils are somewhat poorly drained and slowly permeable. The seasonal high water table is at a depth of 10 to 20 inches, dropping to greater depths in the summer. The surface runoff class is low to medium. The available water capacity is very low (1.13 to 1.49 inches) above the fragipan.

F022AE010CA—Abies magnifica-Pinus monticola/Arctostaphylos nevadensis.—This site is on mountain slopes and hillslopes at elevations of 6,800 to 9,900 feet (fig. 7). Aspects vary, and slopes range from 5 to 70 percent. This community is a California red fir (*Abies magnifica*) and western white pine (*Pinus*

Figure 7.—An area of ecological site F022AE010CA.

monticola) forest. The canopy is open and has large, widely spaced trees. Pinemat manzanita (*Arctostaphylos nevadensis*) is the most common understory shrub. This site is associated with moderately deep to very deep, somewhat excessively drained or excessively drained soils that formed in colluvium over residuum derived from granodiorite over grus. The surface layer is loamy coarse sand, coarse sand, or very gravelly loamy coarse sand. The subsurface textures are loamy coarse sand or gravelly loamy coarse sand. Permeability is very low to moderately rapid, and the surface runoff class is low to medium. The available water capacity is low or moderate (2.09 to 5.48 inches) in the upper 60 inches.

F022AE011CA—Abies magnifica-Pinus jeffreyi/Symphoricarpos rotundifolius-Ribes cereum/Lupinus argenteus.—This site is on mountain slopes at elevations of 7,600 to 8,900 feet. It is in the Carson Range, along the eastern side of the Lake Tahoe Basin. Slopes range from 9 to 50 percent. This is an open forest. California red fir (*Abies magnifica*) and Jeffrey pine (*Pinus jeffreyi*) are the most common trees. There are a few white fir (*Abies concolor*) and western white pine (*Pinus monticola*) trees. The understory is covered with a dense canopy of mixed shrubs, primarily pinemat manzanita (*Arctostaphylos nevadensis*), mountain big sagebrush (*Artemisia tridentata* spp. *vaseyana*), wax currant (*Ribes cereum* var. *cereum*), and roundleaf snowberry (*Symphoricarpos rotundifolius*). Other common plants include pine Indian paintbrush (*Castilleja applegatei*), silvery lupine (*Lupinus argenteus*), and mountain monardella (*Monardella odoratissima*). This site is associated with Shakespeare soils, which formed in colluvium derived from undifferentiated metamorphic rocks. The surface layer is gravelly loam, and the subsurface texture is gravelly heavy loam. The soils are 48 to 60 inches deep over bedrock. They are moderately well drained and slowly permeable. The surface runoff

class is medium to rapid. The available water capacity is moderate or high (5.67 to 8.77 inches) in the upper 60 inches.

F022AE013CA—Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta.—This site is on mountain slopes and hillslopes at elevations of 6,240 to 8,200 feet (fig. 8). It is on all aspects. Slopes range from 2 to 70 percent. This is a mixed conifer forest dominated by white fir (*Abies concolor*), Jeffrey Pine (*Pinus jeffreyi*), sugar pine (*Pinus lambertiana*), and incense cedar (*Calocedrus decurrens*). Various shrubs provide moderate cover in the understory. They include western serviceberry (*Amelanchier utahensis*), greenleaf manzanita (*Arctostaphylos patula*), whitethorn ceanothus (*Ceanothus cordulatus*), prostrate ceanothus (*Ceanothus prostratus*), huckleberry oak (*Quercus vacciniifolia*), Scouler's willow (*Salix scouleriana*), and creeping snowberry (*Symphoricarpos mollis*). The soils associated with this site formed in both granitic and volcanic material. Most of the site is associated with Jorge and Tahoma soils, which formed in colluvium derived from volcanic rocks. In some areas the site is on lateral moraines of primarily granitic rocks and mixed alluvium of old lake sediments. The soils are moderately deep to very deep. The surface layer is sandy loam, loamy coarse sand, or stony sandy loam. The subsurface textures are loam, loamy coarse sand, or very gravelly sandy loam. The soils are moderately well drained to somewhat excessively drained. Permeability is slow to moderate. The surface runoff class is low to high. The available water capacity is low to high (2.50 to 10.98 inches) in the upper 60 inches.

F022AE014CA—Pinus contorta-Tsuga mertensiana/Phyllodoce breweri.—This site is on mountain slopes and hillslopes at elevations of 7,000 to 9,700 feet. It is commonly in concave mountain swales. Aspects vary, and slopes range from 5 to 70 percent. This subalpine moist forest is dominated by mountain hemlock (*Tsuga mertensiana*), western white pine (*Pinus monticola*), Sierra lodgepole pine (*Pinus*

Figure 8.—An area of ecological site F022AE013CA.

contorta var. *murrayana*), and California red fir (*Abies magnifica*). The understory commonly includes purple mountainheath (*Phyllodoce breweri*) and rose meadowsweet (*Spiraea splendens* var. *splendens*) with a high diversity of other species, which may include pinemat manzanita (*Arctostaphylos nevadensis*), western Labrador tea (*Ledum glandulosum*), and Parry's rush (*Juncus parryi*). This site is associated with the moist phase of the Dagget soil. This soil is deep and excessively drained. It formed in colluvium over residuum derived from granodiorite over grus. The surface layer is gravelly loamy coarse sand. The subsurface texture is very gravelly loamy coarse sand. The soil is excessively drained and moderately permeable. The surface runoff class is low. The available water capacity is very low or low (2.09 to 3.17 inches) in the upper 60 inches.

F022AE016CA—Pinus contorta-Abies magnifica/Festuca viridula-Lupinus arbustus.—This site is on mountain slopes at elevations of 6,500 feet to 9,500 feet (fig. 9). Aspects vary, and slopes range from 9 to 50 percent. This is an open forest of Sierra lodgepole pine (*Pinus contorta* var. *murrayana*), California red fir (*Abies magnifica*), and occasional white fir (*Abies concolor*) and western white pine (*Pinus monticola*). The understory has a heavy cover of greenleaf fescue (*Festuca viridula*) and miscellaneous grasses and forbs. Common plants include needlegrass (*Achnatherum* spp.), dusky onion (*Allium campanulatum*), mountain big sagebrush (*Artemisia tridentata* spp. *vaseyana*), asters (*Aster* spp.), Ross' sedge (*Carex rossii*), squirreltail (*Elymus elymoides*), silvery lupine (*Lupinus argenteus*), and longspur lupine (*Lupinus arbustus*). This site is associated with moderately deep, well drained soils that formed in colluvium over glacial till derived from volcanic rocks. The surface layer is gravelly loamy coarse sand. The subsurface texture is very gravelly loamy coarse sand. The C horizon has is a densic, root-restrictive layer, which begins at a

Figure 9.—An area of ecological site F022AE016CA

depth of about 25 inches. This layer may be from compact glacial till. The soils are impermeable. The surface runoff class is high. The available water capacity is low (1.65 to 2.02 inches) above the densic layer.

F022AE019CA—Tsuga mertensiana-Abies magnifica/Eucephalus breweri.—This site is on mountain slopes at elevations of 6,900 to 9,000 feet. Aspects are generally north to southeast, and slopes range from 5 to 70 percent. This is a subalpine forest with mountain hemlock (*Tsuga mertensiana*), Sierra lodgepole pine (*Pinus contorta* var. *murrayana*), California red fir (*Abies magnifica*), and western white pine (*Pinus monticola*). The understory cover is low and has scattered forbs and grasses. This site is associated with moderately deep, well drained soils that formed in colluvium over residuum weathered from andesitic tuff. The surface layer is gravelly medial sandy loam. The subsurface texture is very stony medial sandy loam. Paralithic contact is at a depth of 24 to 36 inches. Permeability is moderately rapid above the bedrock. The surface runoff class is high. The available water capacity is very low or low (2.03 to 2.67 inches) above the bedrock.

F022AE021CA—Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula.—This site is on gently sloping to steep slopes at elevations of 6,240 to 8,700 feet. The aspects are generally south, west, and northwest. This is an open Jeffrey pine (*Pinus jeffreyi*) forest with occasional white fir (*Abies concolor*) and a tree canopy of less than 50 percent. The understory is a mixture of several different shrub species, including greenleaf manzanita (*Arctostaphylos patula*), huckleberry oak (*Quercus vacciniifolia*), antelope bitterbrush (*Purshia tridentata*), whitethorn ceanothus (*Ceanothus cordulatus*), mountain big sagebrush (*Artemisia tridentata* spp. *vaseyana*), prostrate ceanothus (*Ceanothus prostratus*), and snowbrush ceanothus (*Ceanothus velutinus*). The dominance of these shrubs varies, depending on the aspect, elevation, and the history of fire in the area. This site is associated with somewhat excessively drained, deep or moderately deep, sandy soils. Most of these soils formed in colluvium over residuum derived from latite, trachyte, or granodiorite. In some areas the soils formed in till derived from granodiorite. Permeability is very slow or slow, and the surface runoff class is low to high. The available water capacity is low or moderate (1.64 to 5.76 inches) in the upper 60 inches.

F022AE023CA—Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides.—This site is on mountain side slopes, generally in unglaciated areas, at elevations of 6,240 feet and 8,400 feet. It is on all aspects but is generally on north- to northwest-facing slopes. Slopes range from 5 to 70 percent. This is a Jeffrey pine (*Pinus jeffreyi*) forest with an average of 70 percent canopy cover. White fir (*Abies concolor*) occasionally occurs. The understory is a low cover of shrubs, forbs, and grasses. It includes needlegrass (*Achnatherum* spp.), squirreltail (*Elymus elymoides*), Sandberg bluegrass (*Poa secunda*), greenleaf manzanita (*Arctostaphylos patula*), roundleaf snowberry (*Symphoricarpos rotundifolius*), woolly mule-ears (*Wyethia mollis*), catchfly (*Silene* spp.), lambstongue ragwort (*Senecio integerrimus*), and silverleaf phacelia (*Phacelia hastata*). The soils associated with this site formed in colluvium over residuum weathered from granodiorite or metamorphic rocks. The surface layer is gravelly loamy sand or gravelly fine sandy loam. The subsurface texture is loamy sand or fine sandy loam. The soils are very deep and are somewhat excessively drained or well drained. Permeability ranges from slow to moderately rapid. The surface runoff class is low to high. The available water capacity is low to very high (3.87 to 10.16 inches) in the upper 60 inches.

F022AE024CA—Abies concolor-Abies magnifica/Ceanothus velutinus-Ceanothus cordulatus.—This site is on mountain slopes, generally on southern aspects, at elevations of 7,300 to 9,050 feet. Slopes range from 5 to 50 percent. This is a forest of California red fir (*Abies magnifica*) and white fir (*Abies concolor*) with

very little diversity in the understory. Pinemat manzanita (*Arctostaphylos nevadensis*), greenleaf manzanita (*Arctostaphylos patula*), snowbrush ceanothus (*Ceanothus velutinus*), and Sierra chinquapin (*Chrysolepis sempervirens*) are the most common understory plants. They are intermixed with sparse grasses. The soils associated with this site formed in colluvium over residuum weathered from andesite. The surface layer is gravelly sandy loam. The subsurface texture is mainly very gravelly to very cobbly sandy clay loam. Stony loam occurs above hard andesite bedrock at a depth of about 67 inches. The soils are very deep and well drained. Permeability is moderate, and the surface runoff class is low to medium. The available water capacity is moderate or high (5.6 to 7.3 inches) in the upper 60 inches.

The following Nevada ecological sites occur within the Lake Tahoe Basin.

F022AY102NV—Pinus contorta/Artemisia tridentata ssp. vaseyana- Ribes/ Carex-Achnatherum lemmonii var. lemmonii.—This site occurs on mountain slopes and moraines that are characteristically above 7,000 feet. It is on southeast- and southwest-facing slopes in most areas and on northwest-facing slopes in some areas. Slopes range from 4 to 30 percent. A Sierra lodgepole pine (*Pinus contorta* var. *murrayana*) forest dominates the landscape. Jeffrey pine (*Pinus jeffreyi*), Sierra juniper (*Juniperus occidentalis* var. *australis*), and white fir (*Abies concolor*) also are common. Mountain big sagebrush (*Artemisia tridentata* spp. *Vaseyana*) and currant (*Ribes* spp.) are abundant in the understory. Other common plants include Letterman's needlegrass (*Achnatherum lettermanii*), western needlegrass (*Achnatherum occidentale* spp. *occidentale*), mountain brome (*Bromus marginatus*), threadleaf sedge (*Carex filifolia*), Ross's sedge (*Carex rossii*), bottlebrush squirreltail (*Elymus elymoides*), slender wheatgrass (*Elymus trachycaulus*), spike trisetum (*Trisetum spicatum*), and a forb called mule-ears (*Wyethia amplexicaulis*). The soils associated with this site are very deep and somewhat excessively drained and formed in till derived mainly from granitic rocks. The surface layer is extremely gravelly loamy coarse sand, which continues through the profile. The surface runoff class is low to medium. Permeability is rapid. The available water capacity is very low or low (2.06 to 3.48 inches) in the upper 60 inches.

F022AY105NV—Pinus contorta-Abies magnifica/Artemisia tridentata ssp. vaseyana/Bromus marginatus-Achnatherum occidentale ssp californicum.—This site typically occurs on the middle to upper side slopes on mountains above 8,000 feet. It occurs on all aspects but is most common on northeast- and northwest-facing slopes. Slopes range from 8 to 50 percent. Sierra lodgepole pine (*Pinus contorta* var. *murrayana*) and California red fir (*Abies magnifica*) dominate this forest community. Sierra juniper (*Juniperus occidentalis* var. *australis*) and western white pine (*Pinus monticola*) also occur along with a low cover. The understory is similar to that of the site F022AY102NV, but mountain snowberry (*Symphoricarpos oreophilus*) is a major associate. The soils associated with this site are moderately deep and well drained and formed in residuum and colluvium derived from andesitic tuff and tuff-breccia. The surface layer is very gravelly coarse sandy loam, which extends downward to weathered tuff at a depth of 29 inches. The surface runoff class is medium or high. Permeability is moderately rapid. The available water capacity is low (2.62 to 3.79 inches) above the weathered tuff.

F022AY106NV—Pinus contorta-Abies magnifica/Arctostaphylos nevadensis/ Achnatherum occidentale ssp. occidentale-Carex.—This site typically is on mountains that characteristically are above 7,500 feet. It is on the middle to upper side slopes and on ridgetops. It occurs on all aspects but is most common on southeast- and southwest-facing slopes. Slopes range from 8 to 50 percent. They are

typically less than 30 percent. This site is dominated by Sierra lodgepole pine (*Pinus contorta* var. *murrayana*) and California red fir (*Abies magnifica*). Western white pine (*Pinus monticola*) and mountain hemlock (*Tsuga mertensiana*) occur in the overstory. The understory is dominated by pinemat manzanita (*Arctostaphylos nevadensis*). Ross's sedge (*Carex rossii*) and western needlegrass (*Achnatherum occidentale* spp. *occidentale*) are the most prevalent understory plants. Lupine (*Lupinus* spp.), rockcress (*Arabis* spp.), mountain monardella (*Monardella odoratissima*), phlox (*Phlox* spp.), and buckwheat (*Eriogonum* spp.) also are common. The soils associated with this site are very deep and somewhat excessively drained and formed in colluvium and residuum derived from granitic rocks. The surface layer is gravelly loamy coarse sand, and the subsurface horizons are gravelly loamy coarse sand. The surface runoff class is low or medium. Permeability is rapid. The available water capacity is very low (0.65 to 0.93 inch) in the upper 60 inches.

F022AY114NV—Tsuga mertensiana/Carex-Poa.—This site typically occurs on the upper mountain side slopes and is most common is directly below ridgetops on very steep north-facing slopes. It is characteristically above 7,500 feet. Winter snowpacks persist into the summer season in many years. Slopes are steep or very steep, ranging from 15 to 50 percent. This site is dominated by mountain hemlock (*Tsuga mertensiana*), but western white pine (*Pinus monticola*) and California red fir (*Abies magnifica*) may be associated with the overstory community. Lodgepole pine (*Pinus contorta* var. *murrayana*) occasionally occurs in the overstory. The understory is sparse, and the shrub layer is essentially nonexistent. Ross' sedge (*Carex rossii*), other sedges (*Carex* spp.), slender wheatgrass (*Elymus trachycaulus*), and Bolander's bluegrass (*Poa bolanderi*) are the most prevalent grasses and grasslike plants in the understory. Rockcress (*Arabis* spp.), phacelia (*Phacelia* spp.), lousewort (*Pedicularis* spp.), and white hawkweed (*Hieracium albiflorum*) are common understory forbs. The soils associated with this site are moderately deep and well drained and formed in colluvium and residuum derived from andesite, tuff, and tuff-breccia. The surface layer is very gravelly peaty coarse sandy loam about 1 inch thick. The subsurface textures are very gravelly coarse sandy loam, which extends downward to extremely gravelly and extremely cobbly coarse sandy loam. Hard andesite bedrock is at a depth of about 35 inches. The surface runoff class is high. Permeability is moderately rapid. The available water capacity is very low or low (2.27 to 4.20 inches) above the bedrock.

F022AY116NV—Pinus jeffreyi-Abies concolor var. lowiana/Artemisia tridentata ssp. vaseyana/Achnatherum occidentale ssp. occidentale.—This site is on all aspects on moraines and mountain side slopes at elevations of 6,000 to 9,000 feet. Slopes range from 8 to more than 50 percent. They are generally 30 to 50 percent. The historic climax plant community is characterized by an overstory canopy of 25 to 35 percent, dominated by Jeffrey pine (*Pinus jeffreyi*). California white fir (*Abies concolor*) and Sierra juniper (*Juniperus occidentalis* var. *australis*) also are common in the overstory. Mountain big sagebrush (*Artemisia tridentata* spp. *vaseyana*), bitterbrush (*Purshia tridentata*), whitethorn ceanothus (*Ceanothus cordulatus*), and currant (*Ribes* spp.) are the principal understory shrubs. Western needlegrass (*Achnatherum occidentale* spp. *occidentale*), Letterman's needlegrass (*Achnatherum lettermanii*), big squirreltail (*Elymus multisetus*), and sedges (*Carex* spp.) are the most prevalent understory grasses and grasslike plants, and arrowleaf balsamroot (*Balsamorhiza sagittata*), coyote mint (*Monardella villosa*), rockcress (*Arabis* spp.), and buckwheat (*Eriogonum* spp.) are common understory forbs. The soils associated with this site are very deep and well drained and formed in till derived from mixed rocks. They have a surface layer of extremely gravelly sandy loam and have similar subsurface textures. The surface runoff class is low.

Permeability is moderately rapid. The available water capacity is very low or low (2.20 to 3.87 inches) in the upper 60 inches.

F022AY118NV—Abies magnifica-Pinus contorta/Artemisia tridentata ssp. vaseyana/Bromus marginatus-Achnatherum occidentale ssp. occidentale.—This site typically is on the middle to upper side slopes on mountains that characteristically are above 7,500 feet. It occurs on all aspects but is most common on northeast- and northwest-facing slopes. Slopes range from 8 to 50 percent. The site is dominated by California red fir (*Abies magnifica*) and Sierra lodgepole pine (*Pinus contorta* var. *murrayana*). Western white pine (*Pinus monticola*), whitebark pine (*Pinus albicaulis*), and mountain hemlock (*Tsuga mertensiana*) may also occur in the overstory. The understory is dominated by mountain big sagebrush (*Artemisia tridentata* spp. *vaseyana*), currant (*Ribes* spp.), and snowberry (*Symphoricarpos* spp.). Also in the understory are mountain brome (*Bromus marginatus*), western needlegrass (*Achnatherum occidentale spp. occidentale*), Ross' sedge (*Carex rossii*), lupine (*Lupinus* spp.), rockcress (*Arabis* spp.), coyote mint (*Monardella villosa*), and mule-ears (*Wyethia amplexicaulis*). The soils associated with this site are very deep, are well drained or somewhat excessively drained, and formed in colluvium derived from granitic rocks or in till derived from mixed rocks. They have a surface layer of gravelly loamy sand or very gravelly coarse sandy loam and have similar subsurface textures. The surface runoff class is low to medium. Permeability is moderate to rapid. The available water capacity is low or moderate (2.99 to 6.09 inches) in the upper 60 inches.

F022AY120NV—Pinus jeffreyi/Arctostaphylos nevadensis/Achnatherum lettermanii.—This site is on mountains at elevations of 8,000 to more than 10,000 feet. It is on the middle to upper side slopes and on ridgetops. It occurs on all aspects but is most common on south-facing slopes. Slopes range from 30 to 75 percent. They are generally 30 to 50 percent. This site is dominated by Jeffrey pine (*Pinus jeffreyi*) with a canopy cover of 25 to 35 percent. California red fir (*Abies magnifica*) and Sierra juniper (*Juniperus occidentalis* var. *australis*) also are common. Pinemat manzanita (*Arctostaphylos nevadensis*), bitter cherry (*Prunus emarginata*), snowbrush ceanothus (*Ceanothus velutinus*), whitethorn ceanothus (*Ceanothus cordulatus*), creeping snowberry (*Symphoricarpos mollis*), and Sierra chinquapin (*Chrysolepis sempervirens*) are the primary understory shrubs. The herbaceous layer varies. Letterman's (*Achnatherum lettermanii*) and western needlegrass (*Achnatherum occidentale spp. occidentale*) are the most prevalent understory grasses. Coyote mint (*Monardella villosa*), rockcress (*Arabis* spp.), wallflower (*Erysimum* spp.), buckwheat (*Eriogonum* spp.), and lupine (*Lupinus* spp.) are common understory forbs. The soils associated with this site are shallow and somewhat excessively drained and formed in colluvium and residuum derived from granitic rocks. The surface layer is very bouldery coarse sand, which extends downward to soft, weathered granodiorite bedrock at a depth of 14 to 20 inches. The surface runoff class is high. Permeability is rapid. The available water capacity is very low or low (0.65 inch to 2.61 inches) above the weathered bedrock.

F022AY121NV—Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii.—This site typically is on mountains at elevations above 8,000 feet. It is on the middle to upper side slopes and on ridgtops. It occurs on all aspects but is most common on southeast- and southwest-facing slopes. Slopes range from 15 to 75 percent. The historic climax plant community is characterized by an overstory of Sierra lodgepole pine (*Pinus contorta* var. *murrayana*) and California red fir (*Abies magnifica*). Western white pine (*Pinus monticola*), Jeffrey pine (*Pinus jeffreyi*), and Sierra juniper (*Juniperus occidentalis* var. *australis*) may also occur in the overstory. Shrubs are sparse, making the herbaceous layer most abundant. Ross' sedge (*Carex rossii*),

western needlegrass (*Achnatherum occidentale* spp. *occidentale*), rockcress (*Arabis* spp.), coyote mint (*Monardella villosa*), phlox (*Phlox* spp.), and buckwheat (*Eriogonum* spp.) are very common. The soils associated with this site are very shallow or shallow, are excessively drained, and formed in residuum and colluvium derived from granitic rocks. The surface layer is bouldery coarse sand. It is underlain by gravelly loamy coarse sand. Weathered granodiorite bedrock is at a depth of 16 inches. The surface runoff class is medium or high. Permeability is rapid. The available water capacity is very low (0.42 to 0.93 inch) above the weathered bedrock.

F022AY134NV—Pinus albicaulis/Carex-Poa. —This site is on smooth or concave side slopes on mountains at elevations that generally are more than 8,500 feet. It is typically on north aspects at the lower elevations and on all aspects at the higher elevations. Slopes range from 8 to more than 75 percent. They are typically more than 30 percent. This site is dominated by open woodland of primarily whitebark pine (*Pinus albicaulis*). Lodgepole pine (*Pinus contorta* var. *murrayana*) commonly is a minor constituent of the overstory. Mountain brome (*Bromus marginatus*), Letterman's needlegrass (*Achnatherum lettermanii*), pine needlegrass (*Achnatherum pinetorum*), western needlegrass (*Achnatherum occidentale spp. occidentale*), bluegrasses (*Poa* spp.), sedges (*Carex* spp.), and lupines (*Lupinus* spp.) are the most common understory species. The soils associated with this site are shallow and somewhat excessively drained and formed in colluvium and residuum derived from granitic rocks. The surface layer is very gravelly loamy coarse sand, which extends to soft, weathered granodiorite bedrock at a depth of 20 to 30 inches. The surface runoff class is very high. Permeability is rapid. The available water capacity is very low (0.45 to 0.75 inch) above the weathered bedrock.

Numerical List of Forestland Ecological Sites

An asterisk (*) in the following list indicates Nevada ecological sites that are only minor components in this survey area and are not described in this survey.

F022AE001CA	Pinus albicaulis/Arabis platysperma
F022AE002CA	Pinus contorta var. murrayana/Salix lemmonii
F022AE004CA	Populus tremuloides-Abies concolor/Elymus glaucus
F022AE005CA	Pinus contorta var. murrayana-Juniperus occidentalis/Ribes/Carex rossii
F022AE006CA	Pinus jeffreyi-Abies concolor/Ceanothus cordulatus-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides
F022AE007CA	Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides
F022AE008CA	Abies magnifica-Abies concolor/Symphoricarpos mollis-Ribes cereum/Eucephalus breweri-Thalictrum fendleri
F022AE009CA	Pinus contorta var. murrayana/Ceanothus cordulatus/Elymus elymoides
F022AE010CA	Abies magnifica-Pinus monticola/Arctostaphylos nevadensis
F022AE011CA	Abies magnifica-Pinus jeffreyi/Symphoricarpos rotundifolius-Ribes cereum/Lupinus argenteus
F022AE013CA	Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta
F022AE014CA	Pinus contorta-Tsuga mertensiana/Phyllodoce breweri

F022AE016CA	Pinus contorta-Abies magnifica/Festuca viridula-Lupinus arbustus
F022AE019CA	Tsuga mertensiana-Abies magnifica/Eucephalus breweri
F022AE021CA	Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula
F022AE023CA	Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/ Elymus elymoides
F022AE024CA	Abies concolor-Abies magnifica/Ceanothus velutinus-Ceanothus cordulatus
F022AY102NV	Pinus contorta/Artemisia tridentata ssp. vaseyana- Ribes/Carex-Achnatherum lemmonii var. lemmonii
F022AY103NV*	Populus tremuloides/Symphoricarpos/Bromus marginatus-Elymus trachycaulus ssp. trachycaulus
F022AY104NV*	Populus tremuloides/Salix-Rosa woodsii/Poa-Elymus trachycaulus ssp. trachycaulus
F022AY105NV	Pinus contorta-Abies magnifica/Artemisia tridentata ssp. vaseyana/Bromus marginatus-Achnatherum occidentale ssp californicum
F022AY106NV	Pinus contorta-Abies magnifica/Arctostaphylos nevadensis/ Achnatherum occidentale ssp. occidentale-Carex
F022AY109NV*	Pinus contorta-Tsuga mertensiana/Carex
F022AY114NV	Tsuga mertensiana/Carex-Poa
F022AY116NV	Pinus jeffreyi-Abies concolor var. lowiana/Artemisia tridentata ssp. vaseyana/Achnatherum occidentale ssp. occidentale
F022AY118NV	Abies magnifica-Pinus contorta/Artemisia tridentata ssp. vaseyana/Bromus marginatus-Achnatherum occidentale ssp. Occidentale
F022AY120NV	Pinus jeffreyi/Arctostaphylos nevadensis/Achnatherum lettermanii
F022AY121NV	Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii
F022AY134NV	Pinus albicaulis/Carex-Poa

Alphabetical List of Forestland Ecological Sites

An asterisk (*) in the following list indicates Nevada ecological sites that are only minor components in this survey area and are not described in this survey.

Abies concolor-Abies magnifica/Ceanothus velutinus-Ceanothus cordulatus (F022AE024CA)

Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides (F022AE007CA)

Abies concolor-Pinus lambertiana/Quercus vacciniifolia- Amelanchier utahensis/ Pyrola picta (F022AE013CA)

Abies magnifica-Abies concolor/Symphoricarpos mollis-Ribes cereum/Eucephalus breweri-Thalictrum fendleri (F022AE008CA)

Abies magnifica-Pinus contorta/Artemisia tridentata ssp. vaseyana/Bromus marginatus-Achnatherum occidentale ssp. Occidentale (F022AY118NV)

Abies magnifica-Pinus jeffreyi/Symphoricarpos rotundifolius-Ribes cereum/Lupinus argenteus (F022AE011CA)

Abies magnifica-Pinus monticola/Arctostaphylos nevadensis (F022AE010CA)

Pinus albicaulis/Arabis platysperma (F022AE001CA)

Pinus albicaulis/Carex-Poa (F022AY134NV)

Pinus contorta var. murrayana/Ceanothus cordulatus/Elymus elymoides (F022AE009CA)*

Pinus contorta var. murrayana/Salix lemmonii (F022AE002CA)

Pinus contorta var. murrayana-Juniperus occidentalis/Ribes/Carex rossii (F022AE005CA)

Pinus contorta/Artemisia tridentata ssp. vaseyana- Ribes/Carex-Achnatherum lemmonii var. lemmonii (F022AY102NV)

Pinus contorta-Abies magnifica/Arctostaphylos nevadensis/Achnatherum occidentale ssp. occidentale-Carex (F022AY106NV)

Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii (F022AY121NV)

Pinus contorta-Abies magnifica/Artemisia tridentata ssp. vaseyana/Bromus marginatus-Achnatherum occidentale ssp californicum (F022AY105NV)

Pinus contorta-Abies magnifica/Festuca viridula-Lupinus arbustus (F022AE016CA)

Pinus contorta-Tsuga mertensiana/Carex (F022AY109NV)

Pinus contorta-Tsuga mertensiana/Phyllodoce breweri (F022AE014CA)

Pinus jeffreyi/Arctostaphylos nevadensis/Achnatherum lettermanii (F022AY120NV)

Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides (F022AE023CA)

Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula (F022AE021CA)

Pinus jeffreyi-Abies concolor var. lowiana/Artemisia tridentata ssp. vaseyana/ Achnatherum occidentale ssp. occidentale (F022AY116NV)

Pinus jeffreyi-Abies concolor/Ceanothus cordulatus-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides (F022AE006CA)

Populus tremuloides/Salix-Rosa woodsii/Poa-Elymus trachycaulus ssp. trachycaulus (F022AY104NV)*

Populus tremuloides/Symphoricarpos/Bromus marginatus- Elymus trachycaulus ssp. trachycaulus (F022AY103NV)*

Populus tremuloides-Abies concolor/Elymus glaucus (F022AE004CA)

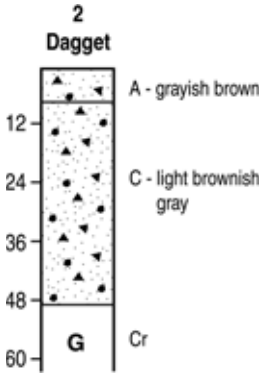
Tsuga mertensiana/Carex-Poa (F022AY114NV)

Tsuga mertensiana-Abies magnifica/Eucephalus breweri (F022AE019CA)

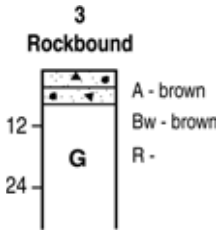
Selected Forestland and Rangeland Ecological Sites

The following paragraphs describe selected ecological sites in the survey area. Illustrations showing the profiles of the major soil components in the sites accompany the descriptions. The profile ID number, component name, typical vegetation, and ecological site number precede the descriptions. Figures 10 and 11 are legends for the symbols used in the illustrations.

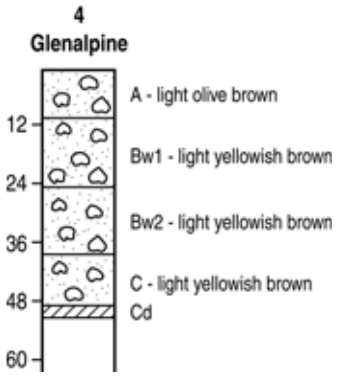
1 Rock outcrop and rubble land; barren; N/A.—Generally, mountain peaks and talus fields at upper elevations with very little vegetation.



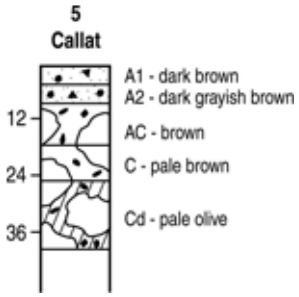
2 Dagget, moist; subalpine mixed conifer forest; F022AE014CA.—This site is on mountain slopes and hillslopes at elevations of 7,000 to 9,700 feet. Aspects vary, and slopes range from 5 to 70 percent. This site is associated with the moist phase of the Dagget series. It is commonly in mountain swales. The soil is deep and excessively drained. It formed in colluvium over residuum derived from granodiorite over grus. The surface layer is gravelly loamy coarse sand. This moist subalpine forest is dominated by mountain hemlock (*Tsuga mertensiana*), western white pine (*Pinus monticola*), Sierra lodgepole pine (*Pinus contorta* var. *murrayana*), and California red fir (*Abies magnifica*). The understory commonly includes purple mountainheath (*Phyllodoce breweri*) and rose meadowsweet (*Spiraea splendens* var. *splendens*) along with a high diversity of other species.



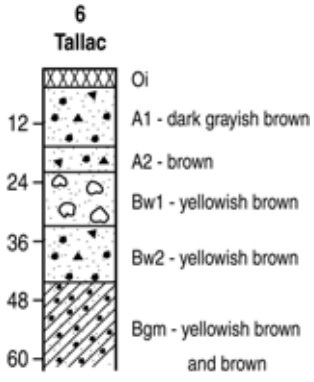
3 Rockbound; scattered trees and shrubs among granite bedrock; R022AE202CA.—This site is in areas of glacially scoured valleys and side slopes. Granite bedrock covers more than 50 percent of the area. This site is on all aspects but is generally on south- to southeast-facing slopes. It is at elevations of 6,300 to 9,000 feet. Slopes range from 0 to 70 percent. The Rockbound soil associated with this site formed in colluvium derived from granodiorite. The soil is in patches between rock outcrops and large boulders. It is shallow, having lithic contact at a depth of 4 to 10 inches. The surface and subsurface horizons are very gravelly loamy coarse sand. Western juniper (*Juniperus occidentalis* var. *australis*), Jeffrey pine (*Pinus jeffreyi*), and lodgepole pine (*Pinus contorta* ssp. *murrayana*) provide less than 10 percent cover. Huckleberry oak (*Quercus vacciniifolia*) and greenleaf manzanita (*Arctostaphylos patula*) are common on sides lopes. This plant community has a high diversity of annuals.



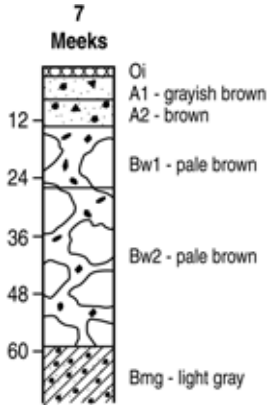
4 Glenalpine; huckleberry oak and greenleaf manzanita shrubland; R022AE213CA.—This site is on glacially scoured valley walls. Rubble land (talus) and rock outcrop cover more than 50 percent of the area. The site is on all aspects but is generally on south- to southeast-facing slopes. Elevations range from 6,240 to 9,100 feet. Slopes range from 50 to 90 percent. The Glenalpine soil associated with this site is deep and excessively drained. It formed in colluvium derived from volcanic and metamorphic rocks. The surface layer is very cobbly fine sandy loam. It is underlain by extremely cobbly fine sandy loam. A root-restrictive layer of dense glacial till is at a depth of 40 to 60 inches. This site is a shrubland dominated by huckleberry oak (*Quercus vacciniifolia*). The tree cover is less than 5 percent. Greenleaf manzanita (*Arctostaphylos patula*), whitethorn ceanothus (*Ceanothus cordulatus*), and bitter cherry (*Prunus emarginata*) are common. Western serviceberry (*Amelanchier utahensis*), oceanspray (*Holodiscus discolor*), and roundleaf snowberry (*Symphoricarpos rotundifolius*) are at the higher elevations.

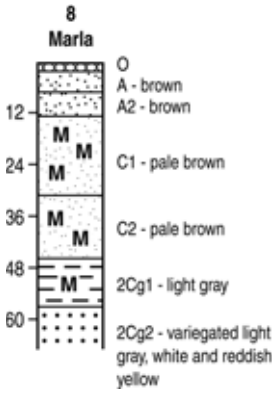


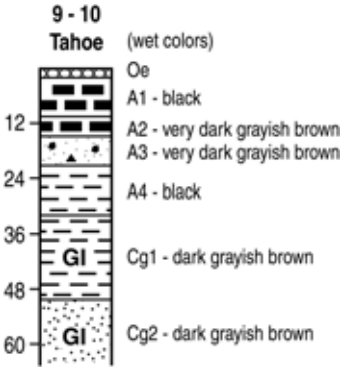
5 Callat; open Sierra lodgepole pine/western white pine/red fir forest; F022AE016CA.—This site is on mountain slopes at elevations of 6,500 to 9,500 feet. Aspects vary, and slopes range from 9 to 50 percent. The Callat soil associated with this site is moderately deep and well drained. It formed in colluvium over glacial till derived from volcanic rocks. The surface layer is gravelly loamy coarse sand. The subsurface texture is very gravelly loamy coarse sand. There is a densic, root-restrictive layer (Cd horizon), beginning about 25 inches below the surface. This layer may be from compacted glacial till. This site is an open forest of Sierra lodgepole pine *(Pinus contorta* var. *murrayana*), California red fir (*Abies magnifica*), and occasional white fir (*Abies concolor*) and western white pine (*Pinus monticola*). The understory has a heavy cover of greenleaf fescue (*Festuca viridula*) and other grasses with a variety of forbs.



6 Tallac; white fir/Jeffrey pine forest; F022AE007CA.—This site is in areas of glacial outwash and on moraines. It is on all aspects. Slopes range from 0 to 70 percent. Elevations range from 6,240 to 7,900 feet. The Tallac soil associated with this site formed in glacial outwash and other glacial material derived mixed granitic and volcanic parent materials. It is deep or very deep and has subsurface textures of very gravelly or cobbly coarse sandy loam. This is a dense white fir (*Abies concolor*) and Jeffrey pine (*Pinus jeffreyi*) forest with some incense cedar (*Calocedrus decurrens*). The understory is







sparse because of a high tree canopy cover. Common understory plants are western needlegrass (*Achnatherum occidentale*), whitethorn ceanothus (*Ceanothus cordulatus*), milk kelloggia (*Kelloggia galioides*), pinewoods lousewort (*Pedicularis semibarbata*), lambstongue ragwort (*Senecio integerrimus*), and creeping snowberry (*Symphoricarpos mollis*).

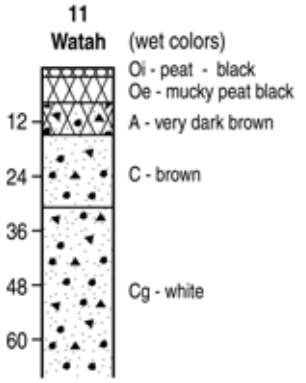
7 Meeks, extremely stony; open Jeffrey pine and white fir forest with huckleberry oak and greenleaf manzanita; F022AE021CA.—This site is on gently sloping to steep slopes at elevations of 6,240 to 8,700 feet. Aspects are generally south, west, and northwest. The Meeks soil associated with this site is deep or very deep and formed in till derived from granodiorite. This is an open Jeffrey pine (*Pinus jeffreyi*) forest with occasional white fir (*Abies concolor*). The total tree canopy is less than 50 percent. The understory has a heavy cover of shrubs. Species composition depends on aspect, elevation, and the history of fires. Common shrubs include huckleberry oak (*Quercus vacciniifolia*), greenleaf manzanita (*Arctostaphylos patula*), antelope bitterbrush (*Purshia tridentata*), and whitethorn ceanothus (*Ceanothus cordulatus*).

8 Marla; lodgepole pine forest with willows; F022AE002CA.—This site is on level to gently sloping alluvial flats along the meadow and forest interface. It is primarily near lake level, along the south shore of Lake Tahoe. Elevations are 6,230 to 6,500 feet. The Marla associated with this site soil formed primarily in alluvium derived from granodiorite. It is very deep, has a surface layer of loamy coarse sand, and is finer textured in the lower horizons. This is a Sierra lodgepole pine (*Pinus contorta* var. *murrayana*) forest with a few large scattered white fir (*Abies concolor*), Jeffrey pine (*Pinus jeffreyi*), and incense cedar (*Calocedrus decurrens*) trees. The understory is lush with willows (*Salix* spp.), grasses, and sedges.

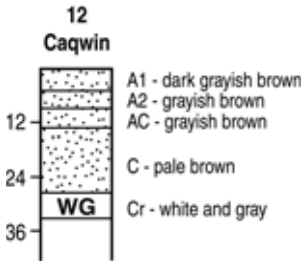
9 Tahoe; grass and sedge community; R022AE208CA.—This site is on alluvial flats and flood plains. Stream channels meander through the site. Slopes range from 0 to 2 percent, and elevations range from 6,200 to 8,000 feet. The Tahoe soil associated with this site formed in alluvium derived from mixed sources. It is very deep and very poorly drained and has a surface layer of mucky silt loam. The vegetation is dominated by graminoids and forbs. Common species include common yarrow (*Achillea millefolium*), hairy arnica (*Arnica mollis*), Nebraska sedge (*Carex nebrascensis*), tufted hairgrass (*Deschampsia caespitosa*), Baltic rush (*Juncus balticus*), straightleaf rush (*Juncus*

orthophyllus), bluegrass (*Poa* spp.), American bistort (*Polygonum bistortoides*), slender cinquefoil (*Potentilla gracilis* var*. fastigiata*), and Oregon checkerbloom (*Sidalcea oregana* ssp. *Spicata*).

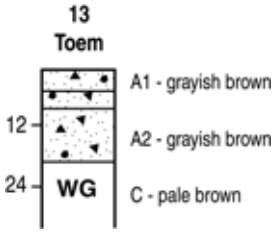
10 Tahoe mucky silt loam, wet phase; mixed willow and sedge community; R022AE203CA.—This site is on alluvial flats and flood plains. Stream channels meander through the site. Slopes range from 0 to 2 percent, and elevations range from 6,200 to 8,000 feet. The wet silty loam phase of the Tahoe soil associated with this site formed in alluvium derived from mixed sources. It is very deep and very poorly drained and has a surface layer of mucky silt loam. It has a higher water table during the summer than the Tahoe soil on the site R022AE208CA. The plant community is a mixed willow shrubland with Lemmon's willow (*Salix lemmonii*), Geyer willow (*Salix geyeriana*) and shining willow (*Salix lucida*). The understory has a heavy cover of mostly graminoid species, including Nebraska sedge (*Calamagrostis stricta*) and whitestem gooseberry (*Ribes inerme* var*. inerme*).



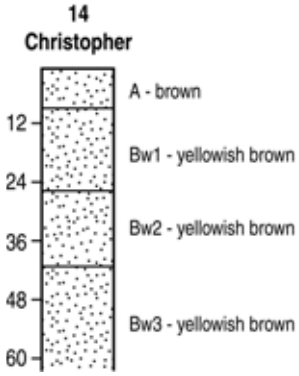
11 Watah; sedge community; R022AE209CA.—This site is on wet flood plains, on low-angle slopes that range to as much as 2 percent. Elevations range from 6,220 to 9,416 feet. The Watah soil associated with this site formed in thick organic peat over sandy alluvial deposits. It is very deep and poorly drained. Northwest Territory sedge (*Carex utriculata*) and blister sedge (*Carex vesicaria*) generally dominate this fen ecological site. Other common plants include miscellaneous sedges (*Carex* spp.), spikerush (*Eleocharis*), Baltic rush (*Juncus balticus*), Geyer's willow (*Salix geyeriana*), and Lemmon's willow (*Salix lemmonii*).



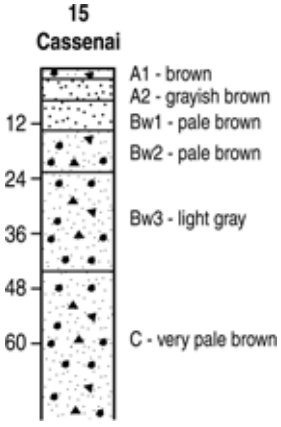
12 Cagwin; open Jeffrey pine and white fir forest with huckleberry oak and greenleaf manzanita; F022AE021CA.—This site is on gently sloping to steep slopes in areas of moderately deep, sandy soils. Elevations range from 6,240 to 8,700 feet. Aspects are generally south, west, and northwest. The Cagwin soil associated with this site formed in colluviuim over granodiorite. This is an open Jeffrey pine (*Pinus jeffreyi*) forest with occasional white fir (*Abies concolor*). The total tree canopy is less than 50 percent. The understory has a heavy cover of shrubs. Species composition depends on aspect, elevation, and the history of fires. Common shrubs include greenleaf manzanita (*Arctostaphylos patula*), antelope bitterbrush (*Purshia tridentata*), and mountain big sagebrush (*Artemisia tridentata* ssp. *vaseyana*).



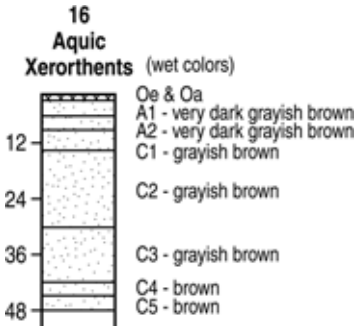
13 Toem; huckleberry oak and greenleaf manzanita shrubland; R022AE210CA.—This site is on mountain slopes at elevations of 6,300 to 8,900 feet. Slopes range from 9 to 70 percent. Aspects generally are southern. The Toem soil associated with this site is shallow and formed in colluvium and residuum derived from granitic rocks. It is gravelly coarse sand throughout. The vegetation is patchy and is dominated by greenleaf manzanita (*Arctostaphylos patula*) and huckleberry oak (*Quercus vacciniifolia*). California red fir (*Abies magnifica*), white fir (*Abies concolor*), Jeffrey pine (*Pinus jeffreyi*), and western white pine (*Pinus monticola*) provide less than 10 percent cover. Other common plants include pinemat manzanita (*Arctostaphylos nevadensis*), sulphur-flower buckwheat (*Eriogonum umbellatum*), and bastardsage (*Eriogonum wrightii*).

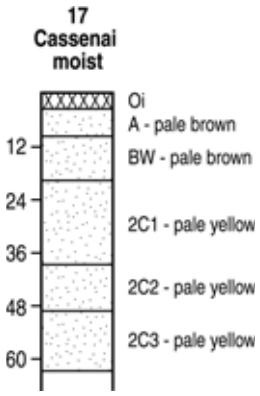


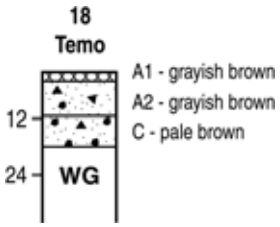
14 Christopher; Jeffrey pine forest; F022AE006CA.—This site is on glacial outwash terraces and moraines at elevations of 6,240 to 7,500 feet. Slopes range from 0 to 30 percent. The Christopher soil associated with this site is very deep and has sandy surface and subsurface horizons. It formed primarily in granitic parent material. The plant community is a Jeffrey pine (*Pinus jeffreyi*) forest with shrubs and forbs in open areas between the trees. Greenleaf manzanita (*Arctostaphlos patula*), whitethorn ceanothus (*Ceanothus cordulatus*), and prostrate ceanothus (*Ceanothus prostratus*) are common in the understory.



15 Cassenai; Jeffrey pine forest; F022AE023CA.—This site is on mountain side slopes, generally in unglaciated areas. Slopes range from 5 to 70 percent, and elevations range from 6,240 feet to 8,400 feet. The site occurs on all aspects but is generally on north- to northwest-facing slopes. The Cassenai soil associated with this site is very deep and formed in colluvium over residuum weathered from granodiorite. The texture is gravelly loamy sand and loamy sand. This is a Jeffrey pine (*Pinus jeffreyi*) forest with an average of 70 percent canopy cover. White fir (*Abies concolor*) occasionally occurs. There is a low cover of shrubs, forbs, and grasses.



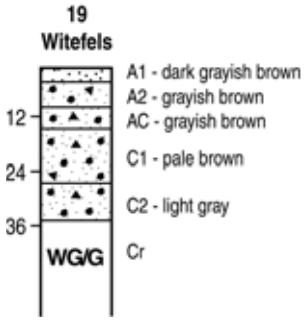




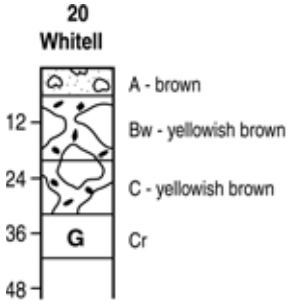
16 Aquic Xerorthents; aspen forest; F022AE004CA.—This site is in mountain drainages at elevations of 6,230 to 9,000 feet. Slopes range from 0 to 15 percent. The soils associated with this site formed in alluvium and colluvium derived from mixed sources. They are very deep and have a surface layer of loamy coarse sand or sandy loam and similar subsurface textures. The plant community is an aspen (*Populus tremuloides*) grove with a lush understory of forbs and grasses. Common plants include blue wildrye (*Elymus glaucus*), Gray's licorice-root (*Ligusticum grayi*), California false hellebore (*Veratrum californicum* var. *californicum*), Fendler's meadow-rue (*Thalictrum fendleri*), sweetcicely (*Osmorhiza berteroi*), and arrowleaf ragwort (*Senecio triangularis*).

17 Cassenai, moist; red fir/western white pine forest with pinemat manzanita; F022AE010CA. — This site is on mountain slopes and hillslopes at elevations of 6 ,800 to 9,900 feet. Aspects vary, and slopes range from 5 to 70 percent. The Cassenai soil associated with this site is very deep and formed in colluvium over residuum derived from granodiorite over grus. The texture is loamy coarse sand or gravelly loamy coarse sand. The plant community is a California red fir (*Abies magnifica*) and western white pine (*Pinus monticola*) forest. The canopy is open, having large, widely spaced trees. Pinemat manzanita (*Arctostaphylos nevadensis*) is the most common understory shrub.

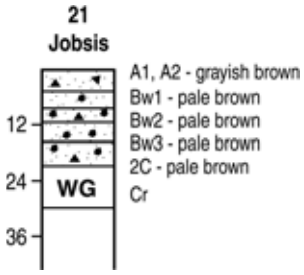
18 Temo; Sierra lodgepole pine/California red fir forest; F022AY121NV.—This site typically occurs on mountains above 8,000 feet. It is on the middle to upper side slopes and on ridgetops. It occurs on all aspects but is most common on southeast- and southwest-facing slopes. Slopes range from 15 to 75 percent. The Temo soil associated with this site very shallow or shallow. It formed in residuum and colluvium derived from granitic rocks. The surface layer is bouldery coarse sand. It is underlain by gravelly loamy coarse sand, which extends to weathered granodiorite at a depth of 16 inches. This is an open forest with 10 to 25 percent canopy cover. It is dominated by Sierra lodgepole pine (*Pinus contorta* var. *murrayana*) and California red fir (*Abies magnifica*). Western white pine (*Pinus monticola*), Jeffrey pine (*Pinus jeffrreyi*), and Sierra juniper (*Juniperus occidentalis* var. *australis*) also may occur in the overstory. Ross' sedge (*Carex rossii*) and western needlegrass (*Achnatherum occidentale* ssp. *occidentale*) are the most common understory associates.



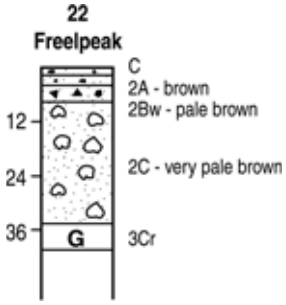
19 Witefels; red fir/western white pine forest with pinemat manzanita; F022AE010CA. —This site is on mountain slopes and hillslopes at elevations of 6,800 to 9,900 feet. Aspects vary, and slopes range from 5 to 70 percent. The Witefels soil associated with this site is moderately deep and formed in colluvium and residuum derived from granodiorite. The texture is coarse sand and gravelly loamy coarse sand. The plant community is a California red fir (*Abies magnifica*) and western white pine (*Pinus monticola*) forest. The canopy is open, having large, widely spaced trees. Pinemat manzanita (*Arctostaphylos nevadensis*) is the most common understory shrub.



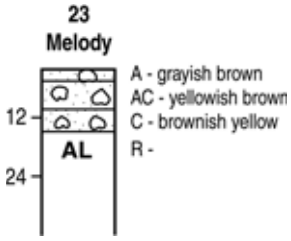
20 Whitell; whitebark pine forest; F022AE001CA. —This site is on moderately sloping to steep mountainsides at elevations of 8,500 to 12,000 feet. It occurs on all aspects but is generally on northwest- to south-facing slopes. Slopes range from 8 to 75 percent. The Whitell soil associated with this site is moderately deep and formed in colluvium and residuum weathered from granodiorite. The surface layer is very cobbly loamy coarse sand, and subsurface textures are sandy. The plant community is a whitebark pine (*Pinus albicaulis*) forest with 25 to 50 percent canopy cover. A few mountain hemlocks (*Tsuga mertensiana*) and Sierra lodgepole pines (*Pinus contorta* var. *murrayana*) are intermixed. The understory is dominated by gravel and rock and has a low cover of graminoid and herbaceous species.



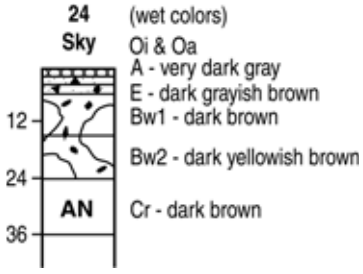
21 Jobsis; open and stunted whitebark pine forest; F022AY134NV. —This site occurs on the smooth or concave side slopes of mountains at elevations of generally more than 8,500 feet. It is typically on northerly aspects at the lower elevations and on all aspects at the higher elevations. Slopes range from 8 to more than 75 percent. They are typically more than 30 percent. The Jobsis soil associated with this site is shallow and somewhat excessively drained and formed in colluvium and residuum derived from granitic rocks. The surface layer is very gravelly loamy coarse sand. This texture extends to soft, weathered granodiorite at a depth of 20 to 30 inches. This site is dominated by an open woodland of whitebark pine (*Pinus albicaulis*) with 20 to 40 percent canopy cover. Trees commonly are stunted and multistemmed. Sierra lodgepole pine (*Pinus contorta* var. *murrayana*) is common. The understory is dominated by gravel and rock and has a low cover of graminoid and herbaceous species.



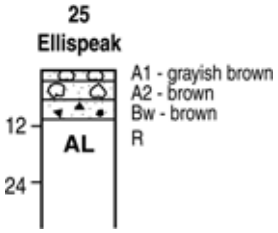
22 Freelpeak; alpine fell fields; F022AY032NV.—This site is on exposed ridges and peaks above timberline, at elevations of 10,000 to 12,000 feet. Slopes range from 4 to 75 percent. The Freelpeak soil associated with this site is moderately deep and formed in residuum and colluvium derived from granodiorite. The surface layer consists of gravel with crushed extremely gravelly coarse sand, crushed very gravelly sand, and crushed very cobbly loamy fine sand. Because of an extremely compact and prostrate growth form, the vegetation on this site could be mistaken for mosses or lichen at first glance. Common plant species include dwarf alpine paintbrush (*Castilleja nana*), fewseed draba (*Draba oligiosperma*), rosy buckwheat (*Eriogonum rosense*), dwarf phlox (*Phlox condensata*), and Nevada podistera (*Podistera nevadensis*). Grasses include timberline bluegrass (*Poa glauca*), squirreltail grass (*Elymus elymoides* ssp. *californicu*s), and needlegrass (*Achnatherum* spp).



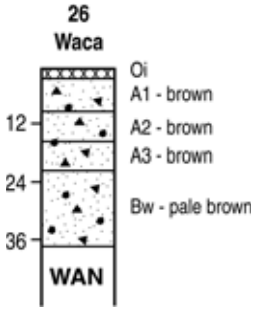
23 Melody; mixed shrubs; R022AE219CA.—This site is on the southern aspects of mountain ridges and slopes at elevations of 8,000 to 10,000 feet. Slopes range from 9 to 70 percent. The Melody soil associated with this site is shallow and formed in colluvium over residuum weathered from volcanic rocks. This is a mixed shrubland with a mosiac of mountain big sagebrush (*Artemisia tridentata* ssp. *vaseyana*), antelope bitterbrush (*Purshia tridentata*), sulphur-flower buckwheat (*Eriogonum umbellatum*), woolly mule-ears (*Wyethia mollis*), roundleaf snowberry (*Symphoricarpos rotundifolius*), and mountain monardella (*Monardella odoratissima*).



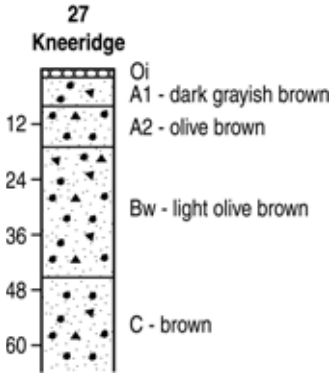
24 Sky; mountain hemlock/western white pine/red fir forest; F022AE019CA.—This site is on mountain slopes at elevations of 6,900 to 9000 feet. Aspects are generally north to southeast, and slopes range from 5 to 70 percent. The Sky soil associated with this site is moderately deep and formed in colluvium over residuum weathered from andesitic tuff. The surface layer is gravelly medial sandy loam. The subsurface texture is very stony medial sandy loam. Paralithic contact is at a depth of 24 to 36 inches. This is a dense subalpine forest mixed with mountain hemlock (*Tsuga mertensiana*), Sierra lodgepole pine (*Pinus contorta* var. *murrayana*), California red fir (*Abies magnifica*), and western white pine (*Pinus monticola*). The understory cover is low and has with scattered forbs and grasses.



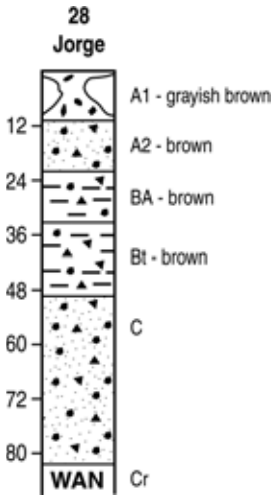
25 Ellispeak; huckleberry oak and greenleaf manzanita shrubland; R022AE217CA.—This site is on glacially scoured side slopes at elevations of 6,200 to 7,700 feet. It is generally on south- to southeast-facing slopes. Slopes range from 9 to 70 percent. The Ellispeak soil associated with this site is shallow and excessively drained. It formed in colluvium derived from andesitic lahar or welded tuff. The surface layer is stony very fine sandy loam, and subsurface textures are very cobbly sandy loam and extremely gravelly fine sandy loam. Strongly cemented andesitic lahar is at a depth of 10 to 20 inches. This is a shrubland site with less than 30 percent cover. It is dominated by huckleberry oak (*Quercus vacciniifolia*), greenleaf manzanita (*Arctostaphylos patula*), pinemat manzanita (*Arctostaphylos nevadensis*), whitethorn ceanothus (*Ceanothus cordulatus*), and bitter cherry (*Prunus emarginata*). Trees cover is less than 5 percent of the area. The site has a diversity of plants.

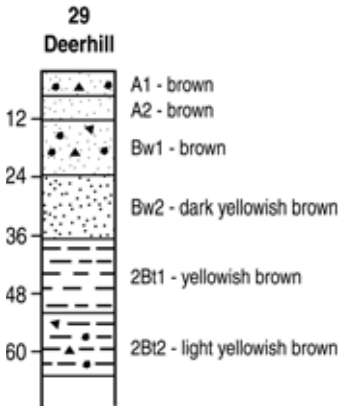


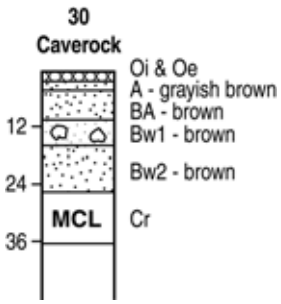
26 Waca; white fir/Jeffrey pine forest; F022AE007CA.—This site is in areas of glacial outwash and on moraines and hillslopes at elevations of 6,240 to 7,900 feet. It is on all aspects. Slopes range from 0 to 70 percent. The Waca soil associated with this site is moderately deep and formed in material weathered from andesitic tuff. The texture of the soil is very gravelly medial coarse sandy loam. The plant community is a dense white fir (*Abies concolor*) and Jeffrey pine (*Pinus jeffreyi*) forest with some incense cedar (*Calocedrus decurrens*). The understory is sparse because of a heavy tree canopy cover. Common understory plants are western needlegrass (*Achnatherum occidentale*), whitethorn ceanothus (*Ceanothus cordulatus*), milk kelloggia (*Kelloggia galioides*), Brown's peony (*Paeonia brownii*), pinewoods lousewort (*Pedicularis semibarbata*), lambstongue ragwort (*Senecio integerrimus*), and creeping snowberry (*Symphoricarpos mollis*).



27 Kneeridge; whitefir/Jeffrey pine forest; F022AE007CA.—This site is in areas of glacial outwash and on moraines and hillslopes at elevations of 6,240 and 7,900 feet. It is on all aspects. Slopes range from 0 to 70 percent. The Kneeridge soil associated with this site is very deep and formed in colluvium and/or till derived from andesite and andesitic lahar. The plant community is a dense white fir (*Abies concolor*) and Jeffrey pine (*Pinus jeffreyi*) forest with some incense cedar (*Calocedrus decurrens*). The understory is sparse because of a heavy tree canopy cover. Common understory plants are western needlegrass (*Achnatherum occidentale*), whitethorn ceanothus





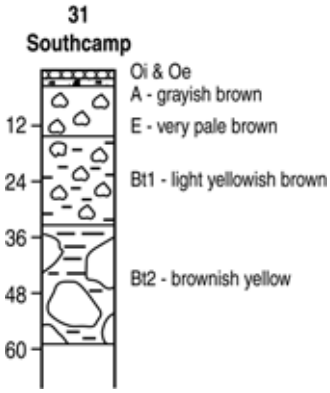


(*Ceanothus cordulatus*), milk kelloggia (*Kelloggia galioides*), Brown's peony (*Paeonia brownii*), pinewoods lousewort (*Pedicularis semibarbata*), lambstongue ragwort (*Senecio integerrimus*), and creeping snowberry (*Symphoricarpos mollis*).

28 Jorge; mixed conifer forest; F022AE013CA.—This site is on mountain slopes and hillslopes at elevations of 6,240 to 8,200 feet. It is on all aspects. Slopes range from 2 to 70 percent. The Jorge soil associated with this site is deep or very deep and formed in colluvium derived from volcanic rocks. The surface layer is stony sandy loam and very gravelly sandy loam. This is a mixed conifer forest dominated by white fir (*Abies concolor*), Jeffrey Pine (*Pinus jeffreyi*), sugar pine (*Pinus lambertiana*), and incense cedar (*Calocedrus decurrens*). Various shrubs provide moderate cover in the understory. Common shrubs include western serviceberry (*Amelanchier utahensis*), greenleaf manzanita (*Arctostaphylos patula*), whitethorn ceanothus (*Ceanothus cordulatus*), prostrate ceanothus (*Ceanothus prostratus*), huckleberry oak (*Quercus vacciniifolia*), Scouler's willow (*Salix scouleriana*), and creeping snowberry (*Symphoricarpos mollis*).

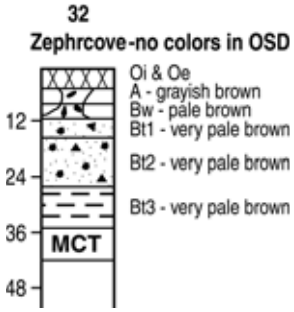
29 Deerhill; Jeffrey pine forest; F022AE023CA.—This site is on mountain side slopes, generally in unglaciated areas. Elevations range from 6,240 to 8,400 feet. Slopes range from 5 to 70 percent. The Deerhill soil associated with this site is very deep and formed in colluvium over residuum weathered from metamorphic rocks. The surface layer is gravelly fine sandy loam. The subsurface textures are gravelly fine sandy loam, fine sandy loam, and loam. This is a Jeffrey pine (*Pinus jeffreyi*) forest with an average of 70 percent canopy cover. White fir (*Abies concolor*) occasionally occurs. There is a low cover of shrubs, forbs, and grasses under canopy openings.

30 Caverock; open Jeffrey pine and white fir forest with huckleberry oak and greenleaf manzanita; F022AE021CA.—This site is on gently sloping to steep slopes at elevations of 6,240 to 8,700 feet. Aspects are generally south, west, and northwest. The Caverock soil associated with this site formed in colluvium over residuum weathered from latite. The surface layer is sandy loam, and subsurface textures sandy loam and cobbly sandy loam. This is an open Jeffrey pine (*Pinus jeffreyi*) forest with occasional white fir (*Abies concolor*). The total tree canopy is less than 50 percent. The understory has a heavy cover of shrubs. Species

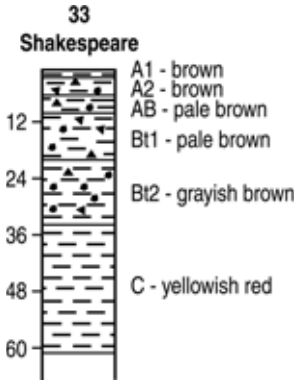


composition depends on aspect, elevation, and the history of fires. Common shrubs include greenleaf manzanita (*Arctostaphylos patula*), antelope bitterbrush (*Purshia tridentata*), whitethorn ceanothus (*Ceanothus cordulatus*), mountain big sagebrush (*Artemisia tridentata* ssp. *vaseyana*), prostrate ceanothus (*Ceanothus prostratus*), and snowbrush ceanothus (*Ceanothus velutinus*).

31 Southcamp; mixed conifer forest; F022AE013CA.—This site is on mountain slopes and hillslopes at elevations of 6,240 feet to 8,200 feet. It is on all aspects. Slopes range from 2 to 70 percent., The Southcamp soil associated with this site is very deep and formed in colluvium over residuum weathered from porphyritic trachyte flows. The surface layer is very gravelly fine sandy loam. The subsurface textures are extremely cobbly loam, extremely cobbly clay loam, and extremely stony clay loam. This is a mixed conifer forest dominated by white fir (*Abies concolor*), Jeffrey Pine (*Pinus jeffreyi*), sugar pine (*Pinus lambertiana*), and incense cedar (*Calocedrus decurrens*). Various shrubs provide moderate cover in the understory. Common shrubs include western serviceberry (*Amelanchier utahensis*), greenleaf manzanita (*Arctostaphylos patula*), whitethorn ceanothus (*Ceanothus cordulatus*), prostrate ceanothus (*Ceanothus prostratus*), huckleberry oak (*Quercus vacciniifolia*), Scouler's willow (*Salix scouleriana*), and creeping snowberry (*Symphoricarpos mollis*).



32 Zephrcove; open Jeffrey pine and white fir forest with huckleberry oak and greenleaf manzanita; F022AE021CA.—This site is on gently sloping to steep slopes at elevations of 6,240 to 8,700 feet. Aspects are generally south, west, and northwest. The Zephrcove soil associated with this site is moderately deep and formed in colluvium over residuum weathered from trachyte. The surface layer is stony sandy loam. Subsurface textures are stony sandy loam, gravelly sandy loam, and sandy clay loam. The plant community is an open Jeffrey pine (*Pinus jeffreyi*) forest with occasional white fir (*Abies concolor*). The total tree canopy is less than 50 percent. The understory has a heavy cover of shrubs. Species composition depends on aspect, elevation, and the history of fires. Common shrubs include greenleaf manzanita (*Arctostaphylos patula*), antelope bitterbrush (*Purshia tridentata*), mountain big sagebrush (*Artemisia tridentata* ssp. *vaseyana*), prostrate ceanothus (*Ceanothus prostratus*), and snowbrush ceanothus (*Ceanothus velutinus*).



33 Shakespeare; open red fir/Jeffrey pine forest with roundleaf snowberry and wax currant; F022AE011CA.—This site is on mountain slopes at elevations of 7,600 to 8,900 feet. It is in the Carson Range, along the eastern side of the Lake Tahoe Basin. Slopes range from 9 to 50 percent. The Shakespeare soil associated with this site is very deep and formed in colluvium derived from undifferentiated metamorhic rocks. The surface layer is gravelly loam. The subsurface texture is gravelly heavy loam. This is an open forest. The most common tree species are California red fir (*Abies magnifica*) and Jeffrey pine (*Pinus jeffreyi*). There are a few white firs (*Abies concolor*) and western white pines (*Pinus monticola*). The understory is covered by a dense canopy of mixed shrubs, primarily pinemat manzanita (*Arctostaphylos nevadensis*), mountain big sagebrush (*Artemisia tridentata* ssp. *vaseyana*), wax currant (*Ribes cereum* var. *cereum*), and roundleaf snowberry (*Symphoricarpos rotundifolius*).

G	Moderately cemented granite bedrock Indurated granodiorite bedrock
WG	Weathered granite bedrock
AL	Andesitic lahar
AN	Andesite (moderately cemented)
WAN	Weathered andesite tuff Weathered vesicular andesite agglomerate
MCL	Moderately cemented latite rock
MCT	Moderately cemented trachyte bedrock

Figure 10.—Bedrock codes in the sketches of soil profiles.

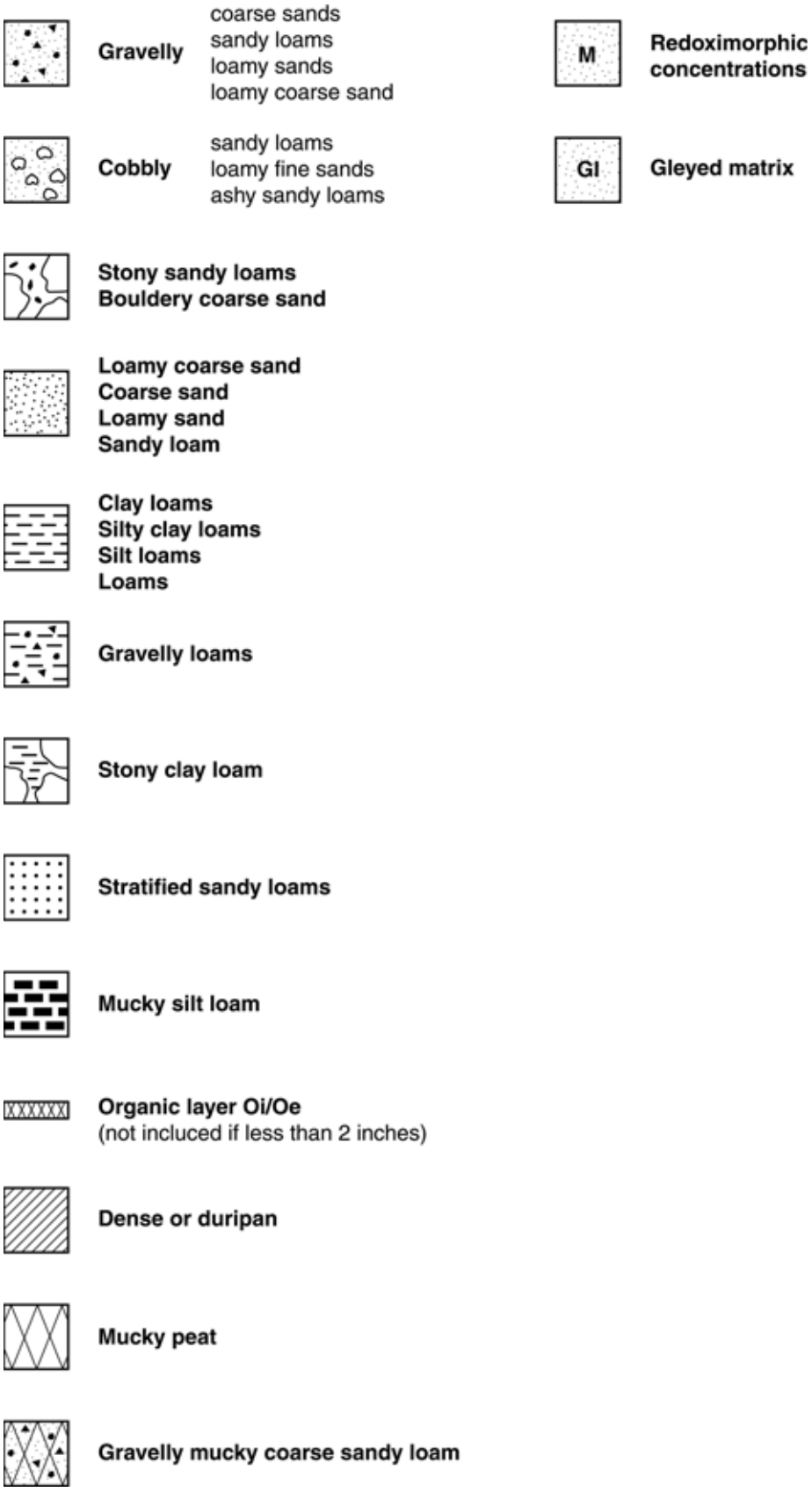


Figure 11.—Soil texture symbols in the sketches of soil profiles.

Figure 12 indicates the plant symbols used in figures 13, 14, 15, and 16. Figure 13 indicates the vegetation on selected ecological sites in the survey area. The ecological sites are identified by profile ID numbers. Figure 13 runs from Dicks Peak in the west to Duane Bliss Peak in the east. Figures 14, 15, and 16 show the geology and plant sombols in the Meiss Meadow, Blackwood Canyon, and Freel Peak areas. The plant symbols are the same as those in figure 13, but the geology symbols are not the same as those in the soil profile sketches.

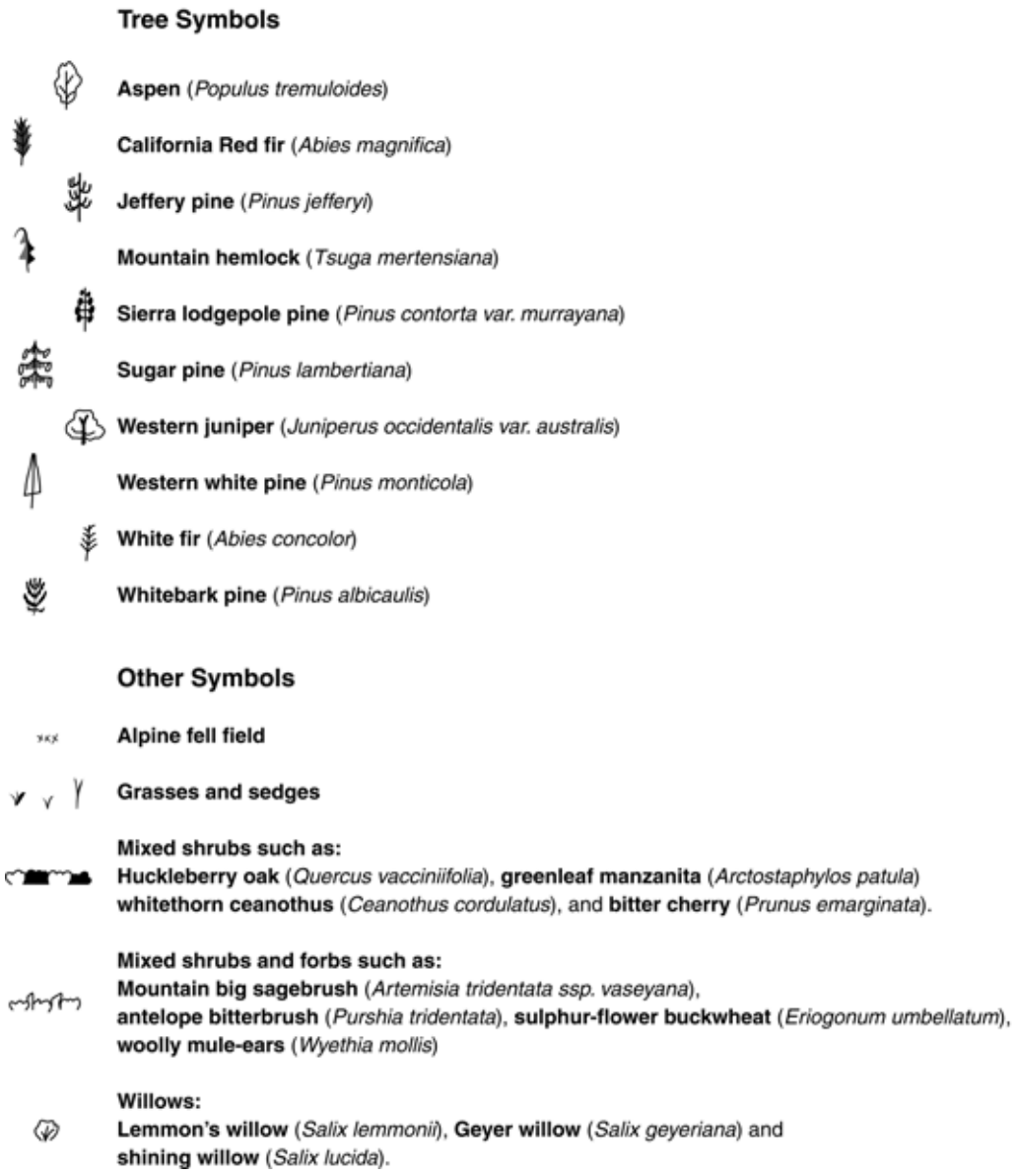


Figure 12.—The plant symbols used in figures 13, 14, 15, and 16.

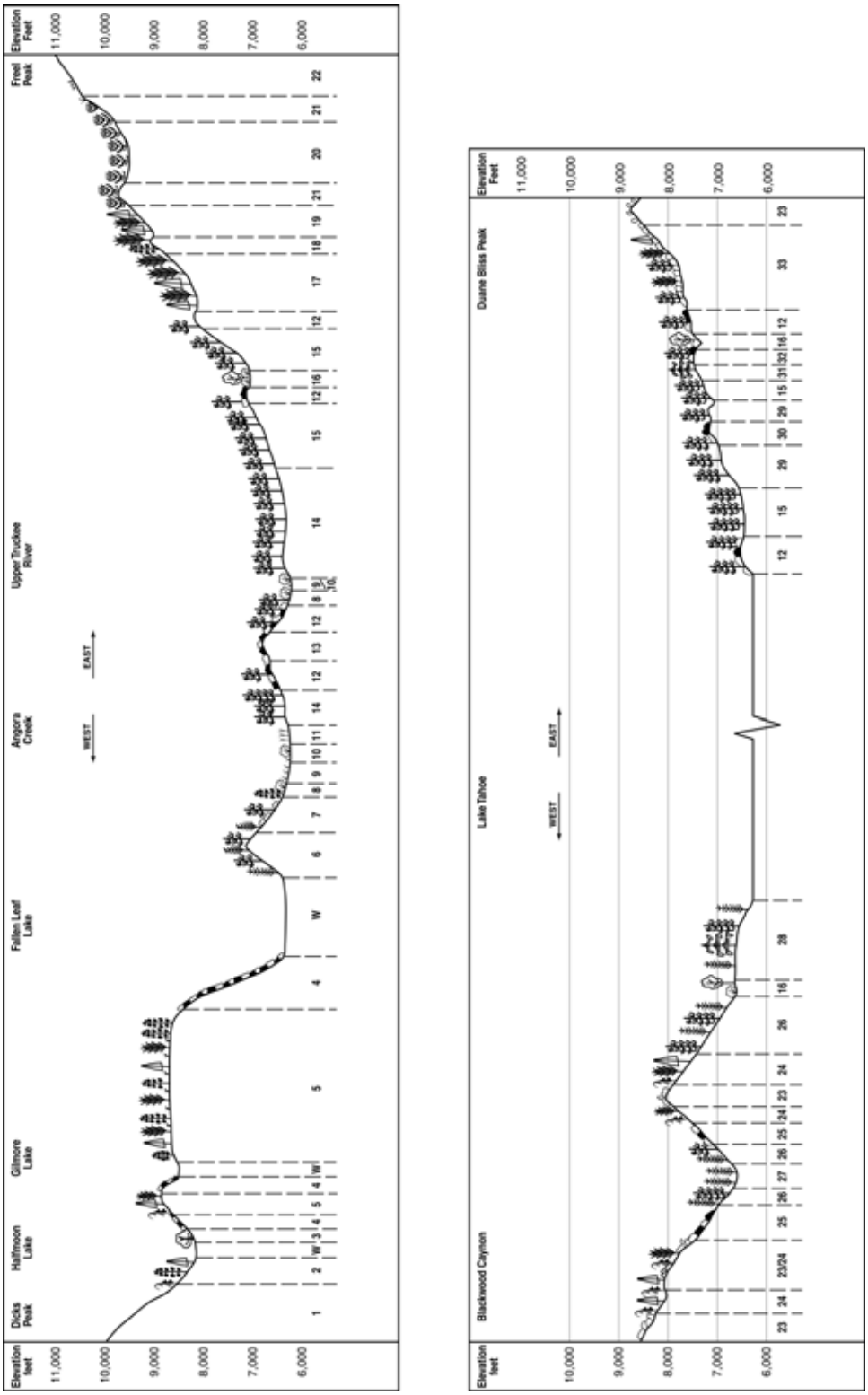


Figure 13.—Vegetation on selected ecological sites across the Lake Tahoe Basin.

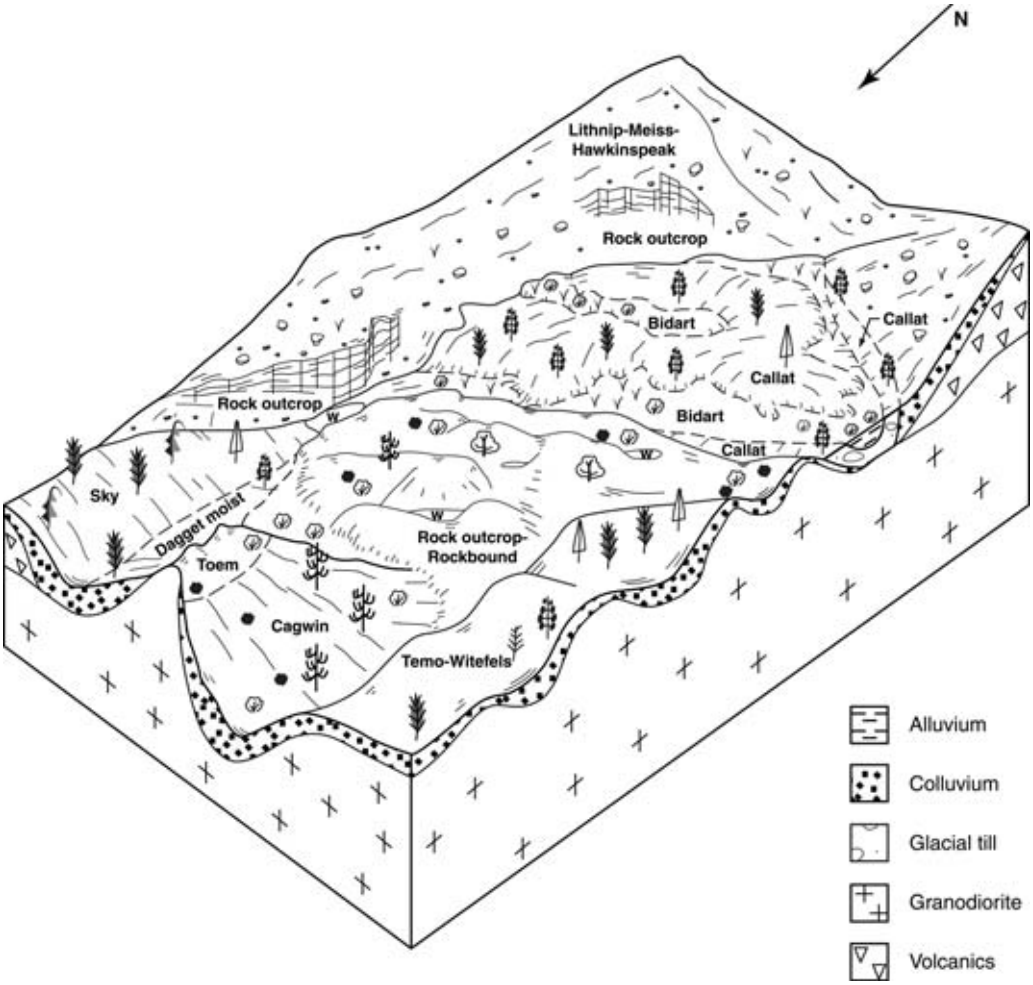


Figure 14.—Vegetation and geology in the Meiss Meadow area (not to scale).

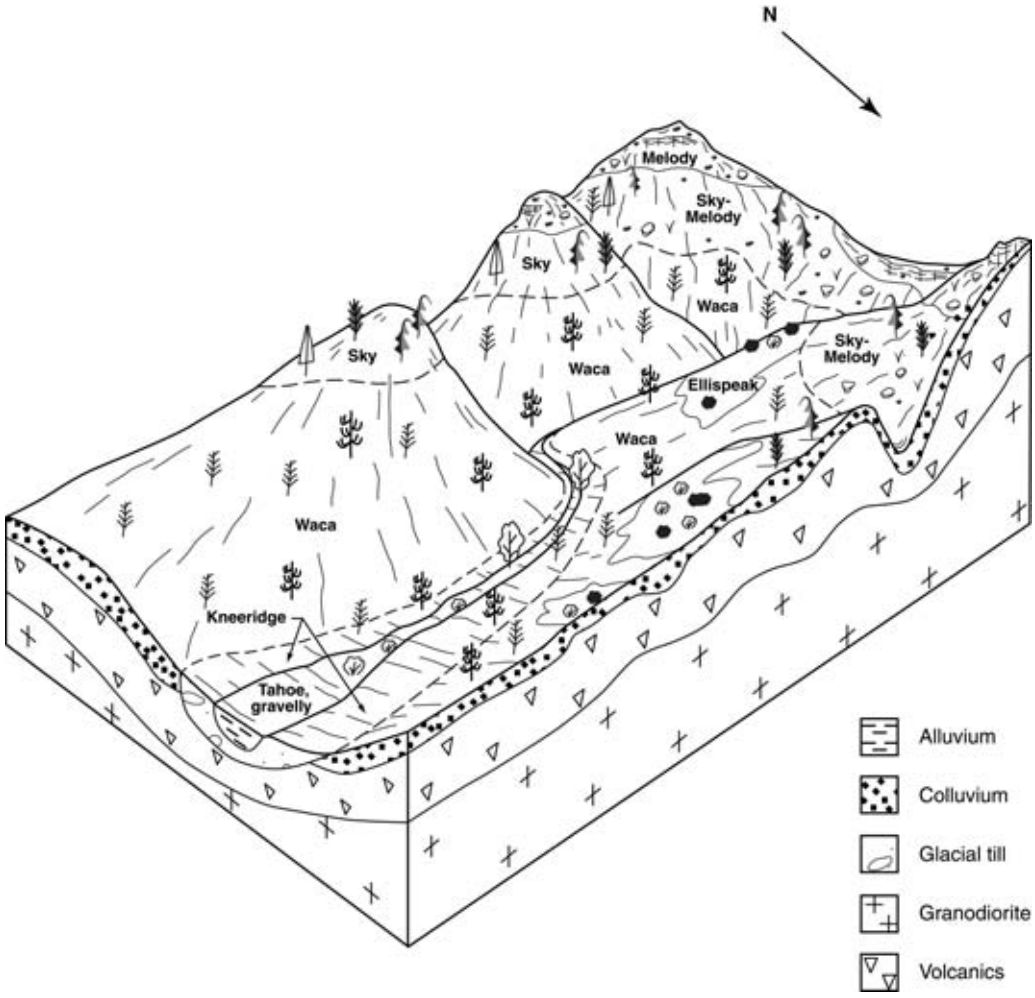


Figure 15.—Vegetation and geology in the Blackwood Canyon area (not to scale).

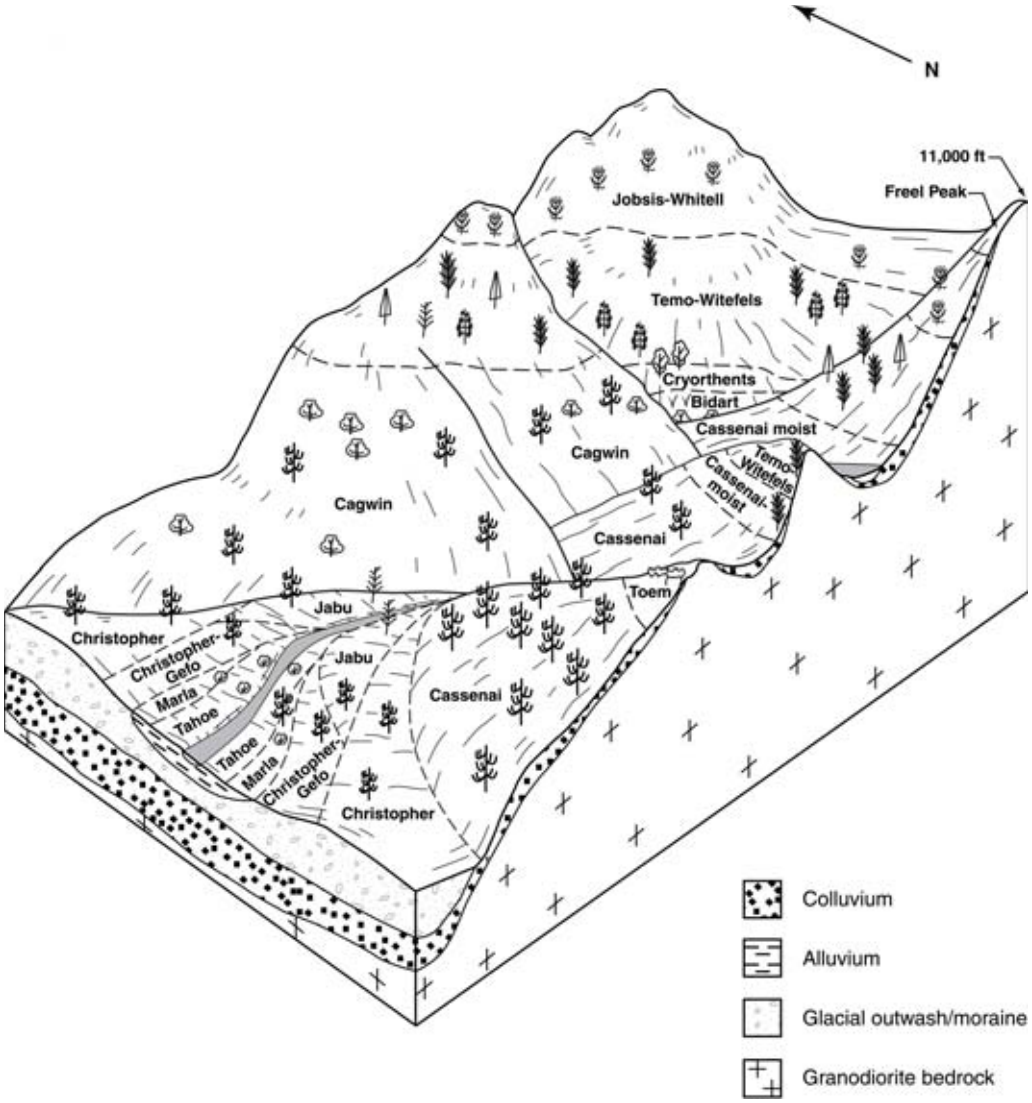


Figure 16.—Vegetation and geology in the Freel Peak area (not to scale).

Forest Productivity and Management

The tables in this section can help forest owners or managers plan the use of soils for wood crops. They show the potential productivity of the soils for wood crops and rate the soils according to the limitations that affect various aspects of forest management.

Forest Productivity

In table 7, the *potential productivity* of merchantable or *common trees* on a soil is expressed as a site index and as a volume number. *Site index average* is the average height, in feet, that dominant and codominant trees of a given species attain in a specified number of years. The site index applies to fully stocked, even-aged, unmanaged stands. *Site index base* is a number that refers to the site index curve used to determine the site index for a specific tree species. For example, a site index base number of 600 refers to a site index curve used for Jeffrey pine (Meyer, 1961); a site index base number of 605 refers to a site index curve used for sugar pine (Dunning, 1942); and a site index base number of 030 refers to a site index curve used for white fir (Schumacher, 1926). *Site index base age* indicates the age used for the site curves. For the site index base curve number 605, for example, the base age is 300 years; for the curve number 600, it is 100 years; and for the curve number 030, it is 50 years. More detailed information regarding site index is available in the "National Forestry Manual," which is available in local offices of the Natural Resources Conservation Service or on the Internet.

The *volume of wood fiber*, a number, is the yield likely to be produced by the most important tree species at the age of culmination of the mean annual increment (CMAI). It is the amount of fiber produced in a fully stocked, even-aged, unmanaged stand. *CMAI age* is the point at which the stand reaches its maximum annual rate of growth.

Forest trees are all trees that occur in a forest type, including the less common ones.

Forest Management

In tables 8 through 12, interpretive ratings are given for various aspects of forest management. The ratings are both verbal and numerical.

Some rating class terms indicate the degree to which the soils are suited to a specified forest management practice. *Well suited* indicates that the soil has features that are favorable for the specified practice and has no limitations. Good performance can be expected, and little or no maintenance is needed. *Moderately suited* indicates that the soil has features that are moderately favorable for the specified practice. One or more soil properties are less than desirable, and fair performance can be expected. Some maintenance is needed. *Poorly suited* indicates that the soil has one or more properties that are unfavorable for the specified practice. Overcoming the unfavorable properties requires special design, extra maintenance, and costly alteration. *Unsuited* indicates that the expected performance of the soil is unacceptable for the specified practice or that extreme measures are needed to overcome the undesirable soil properties.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the specified forest management practice (1.00) and the point at which the soil feature is not a limitation (0.00).

Rating class terms for fire damage and seedling mortality are expressed as *low, moderate,* and *high*. Where these terms are used, the numerical ratings indicate

gradations between the point at which the potential for fire damage or seedling mortality is highest (1.00) and the point at which the potential is lowest (0.00).

The paragraphs that follow indicate the soil properties considered in rating the soils for forest management practices. More detailed information about the criteria used in the ratings is available in the "National Forestry Manual," which is available in local offices of the Natural Resources Conservation Service or on the Internet (http://nsscnt.nssc.nrcs.usda.gov/nfm/).

Ratings in the columns *suitability for hand planting* and *suitability for mechanical planting* are based on slope, depth to a restrictive layer, content of sand, plasticity index, rock fragments on or below the surface, depth to a water table, and ponding. The soils are described as well suited, moderately suited, poorly suited, or unsuited to these methods of planting. It is assumed that necessary site preparation is completed before seedlings are planted.

Ratings in the column *suitability for use of harvesting equipment* are based on slope, rock fragments on the surface, plasticity index, content of sand, the Unified classification, depth to a water table, and ponding. The soils are described as well suited, moderately suited, or poorly suited to this use.

Ratings in the column *suitability for mechanical site preparation (surface)* are based on slope, depth to a restrictive layer, plasticity index, rock fragments on or below the surface, depth to a water table, and ponding. The soils are described as well suited, poorly suited, or unsuited to this management activity. The part of the soil from the surface to a depth of about 1 foot is considered in the ratings.

Ratings in the column *suitability for mechanical site preparation (deep)* are based on slope, depth to a restrictive layer, rock fragments on or below the surface, depth to a water table, and ponding. The soils are described as well suited, poorly suited, or unsuited to this management activity. The part of the soil from the surface to a depth of about 3 feet is considered in the ratings.

For *limitations affecting construction of haul roads and log landings*, the ratings are based on slope, flooding, permafrost, plasticity index, the hazard of soil slippage, content of sand, the Unified classification, rock fragments on or below the surface, depth to a restrictive layer that is indurated, depth to a water table, and ponding. The limitations are described as slight, moderate, or severe. A rating of *slight* indicates that no significant limitations affect construction activities, *moderate* indicates that one or more limitations can cause some difficulty in construction, and *severe* indicates that one or more limitations can make construction very difficult or very costly.

The ratings of *suitability for log landings* are based on slope, rock fragments on the surface, plasticity index, content of sand, the Unified classification, depth to a water table, ponding, flooding, and the hazard of soil slippage. The soils are described as well suited, moderately suited, or poorly suited to use as log landings.

Ratings in the column *soil rutting hazard* are based on depth to a water table, rock fragments on or below the surface, the Unified classification, depth to a restrictive layer, and slope. Ruts form as a result of the operation of forest equipment. The hazard is described as slight, moderate, or severe. A rating of *slight* indicates that the soil is subject to little or no rutting, *moderate* indicates that rutting is likely, and *severe* indicates that ruts form readily.

Ratings in the column *hazard of off-road or off-trail erosion* are based on slope and on soil erodibility factor K. The soil loss is caused by sheet or rill erosion in off-road or off-trail areas where 50 to 75 percent of the surface has been exposed by logging, grazing, mining, or other kinds of disturbance. The hazard is described as slight, moderate, severe, or very severe. A rating of *slight* indicates that erosion is unlikely under ordinary climatic conditions; *moderate* indicates that some erosion is likely and that erosion-control measures may be needed; *severe* indicates that erosion is very likely and that erosion-control measures, including revegetation of bare areas, are

advised; and *very severe* indicates that significant erosion is expected, loss of soil productivity and off-site damage are likely, and erosion-control measures are costly and generally impractical.

Ratings in the column *hazard of erosion on roads and trails* are based on the soil erodibility factor K, slope, and content of rock fragments. The ratings apply to unsurfaced roads and trails. The hazard is described as slight, moderate, or severe. A rating of *slight* indicates that little or no erosion is likely; *moderate* indicates that some erosion is likely, that the roads or trails may require occasional maintenance, and that simple erosion-control measures are needed; and *severe* indicates that significant erosion is expected, that the roads or trails require frequent maintenance, and that costly erosion-control measures are needed.

Ratings in the column *suitability for roads (natural surface)* are based on slope, rock fragments on the surface, plasticity index, content of sand, the Unified classification, depth to a water table, ponding, flooding, and the hazard of soil slippage. The ratings indicate the suitability for using the natural surface of the soil for roads. The soils are described as well suited, moderately suited, or poorly suited to this use.

Ratings in the column *potential for damage to soil by fire* are based on texture of the surface layer, content of rock fragments and organic matter in the surface layer, thickness of the surface layer, and slope. The soils are described as having a low, moderate, or high potential for this kind of damage. The ratings indicate an evaluation of the potential impact of prescribed fires or wildfires that are intense enough to remove the duff layer and consume organic matter in the surface layer.

Ratings in the column *potential for seedling mortality* are based on flooding, ponding, depth to a water table, content of lime, reaction, salinity, available water capacity, soil moisture regime, soil temperature regime, aspect, and slope. The soils are described as having a low, moderate, or high potential for seedling mortality.

Rangeland

By Marchel Munnecke, Natural Resources Conservation Service.

Rangeland, sometimes referred to as “wildland,” has a native vegetation of grasses, grasslike plants, forbs, shrubs, and trees with a total tree canopy cover of less than 25 percent.

Because rangeland is used for many purposes, it is important to characterize rangeland on the basis of its ability to produce various kinds, proportions, and amounts of plants. This ability and the resultant plant communities are largely dependent on the soils, climate, topography, aspect, elevation, slope, and other abiotic features of the landscape. To understand these soil-plant interactions and the effects of selected management practices, the Natural Resources Conservation Service has developed ecological sites. An ecological site is a distinctive kind of land with specific physical characteristics that differs from other kinds of land in its ability to produce a distinctive kind and amount of vegetation (USDA, “National Range and Pasture Handbook”).

The correlated soil types and plant communities identified in this survey area serve as the basis for the development of each ecological site description. Soil properties that affect moisture supply and plant nutrients, such as soil texture, depth, parent material, and content of coarse fragments have a significant influence on the productivity, composition, and distribution of rangeland plant communities. The rangeland ecological sites in this soil survey area can be grouped by landscape position. Several of these sites are associated with seasonally flooded and ponded flood plains, terraces, and basins. These sites are dominated by wetland plants, such as sedges and willows. The rest of the rangeland sites are on upland hillslopes, ridges, and mountain peaks. Elevation, aspect, soil depth, and precipitation further

characterize the species composition of these rangeland sites. Elevations in this soil survey area range from 6,200 to nearly 11,000 feet. This range in elevation affects the annual temperature and precipitation, which dramatically influence the rangeland plant communities. The rangeland plant communities in this survey area are adapted to heavy snow in winter and low precipitation in summer. South- and west-facing slopes at the lower elevations commonly support chaparral species and plant communities because of the heat intensities, high evapotranspiration rates, and the resultant droughtiness. North- and east-facing slopes, which are exposed to less solar radiation than south and west aspects, generally support forestland plant communities. At the higher elevations, the ecological sites tend to support a mixture of shrubs and forbs; mountain big sagebrush, antelope bitterbrush, woolly mule-ears, and mountain monardella are the dominant species. Several rangeland ecological sites have very low annual production and little plant cover. These sites are on exposed mountain peaks and ridges or on shallow soils in areas with a high percentage of rock outcrop. Differences in soil properties affecting plant community composition, production, and distribution are accounted for in the correlation of ecological sites to the individual soil map unit components. The survey area has 17 major and 10 minor rangeland ecological sites.

Table 13 lists the ecological sites for the soil components of the map units in the survey area commonly used as rangeland; the total dry-weight production of vegetation in favorable, normal, and unfavorable years; the characteristic vegetation by common names; and the average species composition by percent of the total annual air-dry weight.

Total dry-weight production is the amount of air-dry vegetation that can be expected to grow annually on well managed rangeland that is supporting the potential natural plant community. It includes all vegetation, whether or not it is palatable to grazing animals. It includes the current year's growth of leaves, twigs, and fruits of woody plants. It does not include the increase in stem diameter of trees and shrubs. It is expressed in pounds per acre of air-dry vegetation for favorable, normal, and unfavorable years. In a favorable year, the amount and distribution of precipitation make growing conditions substantially better than average. In a normal year, growing conditions are about average. In an unfavorable year, growing conditions are well below average, generally because of low available soil moisture. Yields are adjusted to a common percent of air-dry moisture content. The relationship of green weight to air-dry weight varies according to such factors as exposure, amount of shade, recent rains, and unseasonable dry periods. The production amounts can be used to calculate the carrying capacity and stocking rates for management of domestic or wild animals or to determine fuel-loading in preparation of prescribed burning plans or fire modeling.

Characteristic vegetation (the grasses, forbs, shrubs, and trees that make up most of the potential natural plant community on each soil component) is listed by common name. Under *species composition by weight*, the expected percentage of the total annual production is given for each species making up the characteristic vegetation. The amount that can be used as forage depends on the kinds of grazing animals and on the grazing season.

Table 14 lists the ecological sites for the soil components of the map units in the survey area commonly used as rangeland, the characteristic vegetation by common names, and the average species composition by canopy cover. Cover is the amount of cover determined by crown perimeter-vertical projection by species. The data were collected in 1,000-meter plots representing the cover composition across the landscape. This cover can overlap in layers by species, so the total cover can be more than 100 percent.

See Appendix 1 for a list of the common and scientific names of the plants that commonly occur in the survey area.

General Characteristics of Rangeland Ecological Sites

Complete ecological site descriptions can be obtained from the Natural Resources Conservation Service or downloaded from the NRCS Ecological Site Information System Web site at http://esis.sc.egov.usda.gov. To find the ecological sites linked to this survey area, select the "ESD" option and then select "Approved ESD Reports." This survey area is in MLRA 22A in California and Nevada. See Appendix 2 for a complete list of the ecological sites in the survey area.

R022AE202CA—Granitic Pocket.—This site is in areas of glacially scoured valleys and side slopes (fig. 17). Granite bedrock covers more than 50 percent of the area. The site occurs on all aspects, but it is most commonly on south- to southeast-facing slopes. Slopes range from 0 to 70 percent, and elevations range from 6,300 and 9,000 feet. The reference plant community on this site is dominantly montane chaparral shrubs, including huckleberry oak (*Quercus vacciniifolia*) and greenleaf manzanita (*Arctostaphylos patula*) on the side slopes. Talus and pinemat manzanita (*Arctostaphylos nevadensis*) are common in soil pockets. The herbaceous layer is typically dominated by a wide variety of colorful annuals, but a significant portion consists of both shorthair sedge (*Carex exserta*) and Sandberg bluegrass (*Poa secunda*). Western juniper (*Juniperus occidentalis* var. *australis*), Jeffrey pine (*Pinus jeffreyi*), and Sierra lodgepole pine (*Pinus contorta* ssp. *murrayana*) provide less than 10 percent cover and occur primarily in the fractured bedrock. This site is associated with Rockbound soils, which formed in colluvium derived from granodiorite. The soils are in patches between rock outcrops and large boulders. They are shallow, having lithic contact at a depth of 4 to 10 inches. Permeability is rapid above the bedrock. The surface runoff class is very high. The soils have a very low (0.19 to 1.18 inches) available water capacity above the bedrock. The surface and subsurface horizons are very gravelly loamy course sand

R022AE203CA—Frigid Loamy Floodplain.—This site is on alluvial flats and flood plains with meandering stream channels (fig. 18). Slopes are 0 to 2 percent, and elevations range from 6,200 to 8,000 feet. The site has a mixed willow community dominated by Lemmon's willow (*Salix lemmonii*), Geyer willow (*Salix geyeriana*), and shining willow (*Salix lucida*). The understory is dominantly graminoid species, including Nebraska sedge (*Carex nebrascensis*), tufted hairgrass (*Deschampsia cespitosa*), slimstem reedgrass (*Calamagrostis stricta*), Northwest Territory sedge (*Carex utriculata*), and Baltic rush (*Juncus balticus*). Whitestem gooseberry (*Ribes inerme* var. *inerme*) grows under the willows, and Woods' rose (*Rosa woodsii* var. *ultramontana*) is common near the scattered Sierra lodgepole pines (*Pinus contorta* var. *murrayana*). This site is associated with Tahoe soils, which formed in alluvium derived from mixed sources. These soils are very deep and very poorly drained and have a surface layer of mucky silt loam. The wet silty loam phase of the Tahoe series has a higher water table during the summer. Permeability is moderate, and the surface runoff class is very high. The soils have a moderate (5.5 to 5.8 inches) available water capacity in the upper 60 inches. They are frequently ponded and flooded for very long periods during spring and early summer.

R022AE204CA—Sphagnum Fen.—This site is in closed basins in areas of valley bottoms and relict glacial lakes. It is at elevations of 7,710 feet to 8,514 feet. Slopes are 0 to 2 percent. Sphagnum moss (*Sphagnum squarrosum*) is the dominant vegetation (fig. 19). It forms floating mats of peat more than 6 feet thick. Mountain blueberry (*Vaccinium uliginosum*) and bog laurel (*Kalmia polifolia*) are in areas that are slightly raised above the sphagnum. The associated species vary, but alpine shootingstar (*Dodecatheon alpinum*) and alpine aster (*Aster alpinus*) are common. The soils on this site are characterized by seasonal ponding and year-round saturation. They consist almost completely of slightly decomposed moss fibers

Figure 17.—An area of ecological site R022AE202CA, Granitic Pocket.

Figure 18.—An area of ecological site R022AE203CA, Frigid Loamy Floodplain.

Figure 19.—Sphagnum moss in an area of ecological site R022AE204CA, Sphagnum Fen.

and have very little mineral material. The texture is peat or mucky peat. The soils are very poorly drained and rapidly permeable. Surface runoff is negligible. The available water capacity is very high in the upper 60 inches.

R022AE207CA—Cold Wet Alluvial Flat.—This site is on flood plains in mountain basins at elevations of 7,000 to 9,500 feet. It occurs on all aspects. Slopes are 0 to 2 percent. This is an alpine willow community dominated by mountain willow (*Salix eastwoodiae*) and Sierra willow (*Salix orestera*). The plant community is extremely diverse because of the associated microclimate and water influx to the site. Some

common plants include California false hellebore (*Veratrum californicum* var. *californicum*), arrowleaf ragwort (*Senecio triangularis*), scarlet paintbrush (*Castilleja miniata*), fireweed (*Chamerion angustifolium* ssp. *circumvagum*), Gray's licorice-root (*Ligusticum grayi*), bigleaf lupine (*Lupinus polyphyllus*), Sierra shootingstar (*Dodecatheon jeffreyi*), western mountain aster (*Symphyotrichum spathulatum* var. *spathulatum*), Fendler's meadow-rue (*Thalictrum fendleri*), seep monkeyflower (*Mimulus guttatus*), primrose monkeyflower (*Mimulus primuloides*), elephanthead lousewort (*Pedicularis groenlandica*), tufted hairgrass (*Deschampsia caespitosa*), Sandberg bluegrass (*Poa secunda*), water sedge (*Carex aquatilis*), and mountain sedge (*Carex scopulorum*). Murray lodgepole pine (*Pinus contorta* var. *murrayana*) occurs in scattered areas. This site is associated with the wet phase of the Bidart series, which is very deep, has a surface layer of mucky silt loam and sandy subsurface textures, and is saturated longer than the typical Bidart soils. The water table remains within a depth of 20 inches throughout the growing season, and redoximorphic features are near the surface. Permeability is moderate, and surface runoff is negligible. The soil is frequently flooded and ponded for very long periods in spring and summer. The available water capacity is moderate or high (7.24 to 9.83 inches) in the upper 60 inches.

R022AE208CA—Frigid Loamy Terrace.—This site is on alluvial flats and flood plains with meandering stream channels (fig. 20). Slopes are 0 to 2 percent, and elevations range from 6,200 to 8,000 feet. This site is dominated by graminoids and forbs. Some of the more common species are common yarrow (*Achillea millefolium*), hairy arnica (*Arnica mollis*), Nebraska sedge (*Carex nebrascensis*), tufted hairgrass (*Deschampsia caespitosa*), Baltic rush (*Juncus balticus*), straightleaf rush (*Juncus orthophyllus*), mat muhly (*Muhlenbergia richardsonis*), beardtongue (*Penstemon* spp.), bluegrass (*Poa* spp.), American bistort (*Polygonum bistortoides*), Ashland

Figure 20.—An area of ecological site R022AE208CA, Frigid Loamy Terrace.

cinquefoil (*Potentilla glandulosa* spp. *ashlandica*), slender cinquefoil (*Potentilla gracilis* var. *fastigiata*), Oregon checkerbloom (*Sidalcea oregana* spp. *spicata*), and longstalk clover (*Trifolium longipes*). This site is associated with Tahoe soils, which formed in alluvium derived from mixed sources, are very deep and very poorly drained, and have a surface layer of mucky silt loam. Permeability is moderate, and the surface runoff class is very high. The available water capacity is moderate (5.5 to 5.8 inches) in the upper 60 inches. These soils are frequently ponded and flooded for very long periods during spring and early summer. This site is associated with Frigid Loamy Floodplain ecological site (R022AE203CA). It is in slightly higher areas than that site and has a lower water table during the summer.

R022AE209CA—Flooded Basins.—This site is on wet flood plains at elevations of 6,220 and 9,416 feet (fig. 21). It is on low-angle slopes of as much as 2 percent. Most of the site is in the marshes adjacent to Lake Tahoe. The species that dominate this fen ecological site are Northwest Territory sedge (*Carex utriculata*) and blister sedge (*Carex vesicaria*). Other species include sedges (*Carex* spp.), spikerush (*Eleocharis*), Baltic rush (*Juncus balticus*), tinker's penny (*Hypericum anagalloides*), primrose monkeyflower (*Mimulus primuloides*), knotweed (*Polygonum* spp.), ticklegrass (*Agrostis scabra*), Geyer willow (*Salix geyeriana*), and Lemmon's willow (*Salix lemmonii*). This site is associated with Watah soils, which formed in thick organic peat over sandy alluvial deposits. These soils are very deep, poorly drained, and moderately permeable. The surface runoff class is high. The soils are frequently flooded and ponded for very long periods in spring and summer. The available water capacity is moderate (5.4 to 6.78 inches) in the upper 60 inches.

Figure 21.—An area of ecological site R022AE209CA, Flooded Basins.

R022AE210CA—Shallow Sandy Slope.—This site is on mountain slopes at elevations of 6,300 to 8,900 feet (fig. 22). It generally is on southern aspects. Slopes range from 9 to 70 percent. Greenleaf manzanita (*Arctostaphylos patula*) and huckleberry oak (*Quercus vacciniifolia*) dominate this site, although the cover is very patchy because of a significant amount of exposed bedrock. Other species include whitethorn ceanothus (*Ceanothus cordulatus*), Sierra chinkapin (*Chrysolepis sempervirens*), pinemat manzanita (*Arctostaphylos nevadensis*), snowbrush ceanothus (*Ceanothus velutinus*), sulphur-flower buckwheat (*Eriogonum umbellatum*), and bastardsage (*Eriogonum wrightii*). California red fir (*Abies magnifica*), white fir (*Abies concolor*), Jeffrey pine (*Pinus jeffreyi*), and western white pine (*Pinus monticola*) provide less than 10 percent cover and are commonly associated with the fractured bedrock on the site. This site is associated with Toem and Genoapeak soils, which are shallow or shallow to fractured bedrock and formed in residuum derived from granitic bedrock or colluvium over highly fractured trachyte bedrock. The surface layer is gravelly coarse sand or very gravelly sandy loam. The soils are excessively drained. Permeability is moderately rapid or rapid. The surface runoff class is medium to high. The available water capacity is very low (1.16 to 1.19 inches) above the bedrock.

Figure 22.—An area of ecological site R022AE210CA, Shallow Sandy Slope.

R022AE211CA—Shallow Andesite Ridge.—This site is on mountainous uplands at elevations of 7,000 to 10,000 feet (fig. 23). It occurs on all aspects, but it is generally on northeast- to northwest-facing slopes. Slopes range from 2 to 50 percent. This site is extremely stable because of its very high elevation. It is dominated primarily by low sagebrush (*Artemisia arbuscula*), spreading phlox (*Phlox diffusa*), and sulphur-flower buckwheat (*Eriogonum umbellatum*). Other common plants include roundleaf snowberry (*Symphoricarpos rotundifolius*), several species of goldenbush (*Ericameria* spp.), prairie flax (*Linum lewisii*), granite prickly phlox (*Leptodactylon pungens*), western needlegrass (*Achnatherum occidentale*), and Sandberg bluegrass (*Poa secunda*). This site is associated with Meiss soils, which

formed in material weathered from andesitic rock. These soils are shallow, having lithic contact at a depth of 10 to 20 inches, and have a surface layer of cobbly ashy loam and a subsurface texture of gravelly ashy loam. Permeability is moderately rapid above the bedrock, and the surface runoff class is very high. The available water capacity is very low (1.35 to 1.95 inches) above the bedrock.

Figure 23.—An area of ecological site R022AE211CA, Shallow Andesite Ridge.

R022AE213CA—Steep Talus Slope.—This site is on glacially scoured valley walls in areas where rubble land (talus) and rock outcrop cover more than 50 percent of the surface (fig. 24). It occurs on all aspects, but it is mostly on south- to southeast-facing slopes. Elevations range from 6,240 to 9,100 feet. Slopes range from 50 to 90 percent. This is a shrubland dominated by huckleberry oak (*Quercus vacciniifolia*) with lesser dominants, including greenleaf manzanita (*Arctostaphylos patula*), whitethorn ceanothus (*Ceanothus cordulatus*), and bitter cherry (*Prunus emarginata*). At the higher elevations, western serviceberry (*Amelanchier utahensis*), oceanspray (*Holodiscus discolor*), and roundleaf snowberry (*Symphoricarpos rotundifolius*) are more common. Scattered white fir (*Abies concolor*), California red fir (*Abies magnifica*), western juniper (*Juniperus occidentalis*), Jeffrey pine (*Pinus jeffreyi*), and western white pine (*Pinus monticola*) are on the site, but their cover is generally less than 5 percent of the total area. Herbaceous cover is very low on this site and is commonly in pockets of sediment deposition. This site is associated with Glenalpine soils, which are deep and formed in colluvium derived from volcanic and metamorphic rocks. The surface layer is very cobbly fine sandy loam. It is underlain by extremely cobbly fine sandy loam. A root-restrictive layer from dense glacial till is between depths of 40 and 60 inches. The soils are excessively drained and slowly permeable. The surface runoff class is low. The available water capacity is low (3.09 to 3.59 inches) above the dense glacial till.

Figure 24.—An area of ecological site R022AE213CA, Steep Talus Slope.

R022AE214CA—Gravelly Flats.—This site is on alluvial flats and flood plains with actively meandering stream channels in areas with a limited overall vegetative cover and a high cover of gravel and sand. Slopes are 0 to 2 percent, and elevations range from 6,220 to 7,730 feet. The plant community on this site is dominated by Lemmon's willow (*Salix lemmonii*). The less dominant plants include mountain alder (*Alnus incana* ssp. *tenuifolia*), wax currant (*Ribes cereum*), and Douglas' sagewort (*Artemisia douglasiana*). Herbaceous species commonly include common yarrow (*Achillea millefolium*), anaphalis (*Anaphalis* spp.), brome (*Bromus* spp.), sedges (*Carex* spp.), fireweed (*Chamerion angustifolium* ssp. *circumvagum*), blue wildrye (*Elymus glaucus*), sticky cinquefoil (*Potentilla glandulosa*), Kentucky bluegrass (*Poa pratensis*), and Canada goldenrod (*Solidago canadensis*). Sierra lodgepole pine (*Pinus contorta* var. *murrayana*) and Oregon checkerbloom (*Sidalcea oregana* spp. *spicata*) can occur but at lower percentages. Many of the plants currently are pioneer and disturbance-dependent species. The soil associated with this site is the gravelly phase of the Tahoe series. This soil formed in alluvium derived from mixed sources and is very deep and very poorly drained. The surface layer is gravelly mucky silt loam. Permeability is moderate. The surface runoff class is very high. The available water capacity is moderate (5.5 to 5.8 inches) in the upper 60 inches. The soil is frequently ponded and flooded for very long periods during spring and early summer.

R022AE215CA—Deep Cryic Volcanic Slope.—This site is on mountain slopes at elevations of 7,000 to 10,500 feet. Aspects vary, but southern exposures are most common. Slopes range from 30 to 70 percent. Woolly mule-ears (*Wyethia mollis*) dominates much of this site, possibly because of a high content of aluminum in the soils associated with the site. The less dominant species include Thurber's needlegrass (*Achnatherum thurberianum*), mountain big sagebrush (*Artemisia tridentata* spp. *vaseyana*), squirreltail (*Elymus elymoides*), sulphur-flower buckwheat

(*Eriogonum umbellatum*), lupine (*Lupinus* spp.), mountain monardella (*Monardella odoratissima*), and spreading phlox (*Phlox diffusa*). The tree cover is less than 25 percent. California red fir (*Abies magnifica*) and western white pine (*Pinus monticola*) are the most common trees. Jeffrey pine (*Pinus jeffreyi*) is an associate at the lower elevations, and whitebark pine (*Pinus albicaulis*) is an associate at the higher elevations. This site is associated with very deep, somewhat excessively drained soils that formed in colluvium derived from volcanic rocks. The surface layer is medial loamy coarse sand, and the subsurface texture is cobbly or gravelly medial sandy loam. Permeability is s slow. The surface runoff class is high. The available water capacity is very low or low (1.40 to 4.68 inches) in the upper 60 inches. This site is sparsely vegetated and has about 40 percent canopy cover and 60 percent bare soil or gravel.

R022AE217CA—Volcanic Slopes.—This site is on glacially scoured side slopes at elevations of 6,200 to 7,700 feet (fig. 25). It is generally on south- to southeast-facing slopes. Slopes range from 9 to 70 percent. This site is dominated by huckleberry oak (*Quercus vacciniifolia*), greenleaf manzanita (*Arctostaphylos patula*), pinemat manzanita (*Arctostaphylos nevadensis*), whitethorn ceanothus (*Ceanothus cordulatus*), and bitter cherry (*Prunus emarginata*). The site has a few white fir (*Abies concolor*), California red fir (*Abies magnifica*), Jeffrey pine (*Pinus jeffreyi*), and western white pine (*Pinus monticola*) trees, but their cover is generally less than 5 percent. Other common species might include dusky onion (*Allium campanulatum*), western serviceberry (*Amelanchier utahensis*), prostrate ceanothus (*Ceanothus prostratus*), squirreltail (*Elymus elymoides*), buckwheat species (*Eriogonum* spp.), subalpine fleabane (*Erigeron peregrinus*), Brewer's aster (*Eucephalus breweri*), mountain monardella (*Monardella odoratissima*), Sierra gooseberry (*Ribes roezlii* var. *roezlii*), lambstongue ragwort (*Senecio integerrimus*), and waxy checkerbloom (*Sidalcea glaucescens*). This site is associated with Ellispeak soils, which are shallow

Figure 25.—An area of ecological site R022AE217CA, Volcanic Slopes.

and excessively drained and formed in colluvium derived from andesitic lahar or welded tuff. The surface layer is stony very fine sandy loam, and the subsurface textures are very cobbly sandy loam and extremely gravelly fine sandy loam. Strongly cemented andesitic lahar is at a depth of 10 to 20 inches. Permeability is moderately rapid. The surface runoff class is very high. The available water capacity is very low (0.85 inch to 1.10 inches) above the bedrock.

R022AE219CA—Cryic Volcanic Slope.—This site is on mountain ridges and slopes at elevations of 8,000 to 10,000 feet. Slopes range from 9 to 70 percent. Aspects are southern. The reference plant community on this site is dominated by mountain big sagebrush (*Artemisia tridentata* spp. *vaseyana*), antelope bitterbrush (*Purshia tridentata*), roundleaf snowberry (*Symphoricarpos rotundifolius*), sulphur-flower buckwheat (*Eriogonum umbellatum*), woolly mule-ears (*Wyethia mollis*), and mountain monardella (*Monardella odoratissima*). The common associates include California red fir (*Abies magnifica*), Brewer's angelica (*Angelica breweri*), pinemat manzanita (*Arctostaphylos nevadensis*), Lewis flax (*Linum lewisii*), snowbrush ceanothus (*Ceanothus velutinus*), squirreltail (*Elymus elymoides*), needlegrass (*Achnatherum* spp.), longspur lupine (*Lupinus arbustus*), spreading phlox (*Phlox diffusa*), and waxy checkerbloom (*Sidalcea glaucescens*). This site is associated with soils that formed from colluvium derived from volcanic rocks or colluvium over residuum derived from andesitic rocks. They are shallow or moderately deep and well drained to excessively drained. The surface runoff class is high or very high. Permeability is moderate to rapid above the bedrock. The available water capacity is low or very low (1.17 to 3.39 inches) above the bedrock.

R022AE221CA—Cold Semi-Wet Alluvial Flat.—This site is on flood plains in mountain basins at elevations of 7,000 to 9,500 feet. It occurs on all aspects. Slopes are 0 to 2 percent. The site is an alpine meadow dominated by a variety of grasses and sedges. The most common species may include Nebraska sedge (*Carex nebrascensis*), tufted hairgrass (*Deschampsia caespitosa*), Baltic rush (*Juncus balticus*), pullup muhly (*Muhlenbergia filiformis*), mat muhly (*Muhlenbergia richardsonis*), tundra aster (*Oreostemma alpigenum* var. *alpigenum*), little elephantshead (*Pedicularis attollens*), yampah (*Perideridia* spp.), bluegrass (*Poa* spp.), American bistort (*Polygonum bistortoides*), arrowleaf ragwort (*Senecio triangularis*), and sticky cinquefoil (*Potentilla glandulosa*). This site is associated with Bidart soils, which are very deep and have a surface layer of mucky silt loam and sandy subsurface textures. They are frequently flooded and ponded for very long periods in spring and summer. The water table fluctuates from depths of 2 to 40 inches throughout the growing season, creating redoximorphic features near the surface. Permeability is moderate. Surface runoff is negligible. The available water capacity is moderate or high (7.24 to 9.83 inches) in the upper 60 inches.

R022AY012NV—Barren Slope 20+ p.z.—This site is on mountain summits and side slopes at elevations of 7,000 to more than 11,000 feet. Slopes range from 8 to 75 percent. They are mainly 8 to 30 percent. The plant community is dominated by woolly mule-ears (*Wyethia mollis*) and a variety of other forbs. Other species include mountain big sagebrush (*Artemisia tridentata* spp. *vaseyana*), low sagebrush (*Artemisia arbuscula*), Letterman's needlegrass (*Achnatherum lettermanii*), western needlegrass (*Achnatherum occidentale* spp. *occidentale*), and bottlebrush squirreltail (*Elymus elymoides*). This site is associated with very shallow, well drained soils that formed in residuum and colluvium derived from tuff, tuff-breccia, and andesite. The surface layer is extremely gravelly sandy loam. It is underlain by gravelly sandy loam. Hard tuff bedrock is at a depth of 5 inches. The surface runoff class is very high. Permeability is moderately rapid. The available water capacity is very low (0.19 to 0.37 inch) above the bedrock.

R022AY021NV—South Slope 30+ p.z.—This site is on the south aspects of mountain side slopes at elevations of 8,000 to more than 11,000 feet. Slopes range

from 8 to 75 percent. They are mainly 15 to 50 percent. The plant community is dominated by western needlegrass (*Achnatherum occidentale* spp. *occidentale*), mountain brome (*Bromus marginatus*), antelope bitterbrush (*Purshia tridentate*), and mountain big sagebrush (*Artemisia tridentata* spp. *vaseyana*). This site is associated with soils that typically are moderately deep to very deep, are well drained or somewhat excessively drained, have a high content of organic matter in the upper part, and formed in residuum and colluvium derived from volcanic or granitic rocks and from mixed glacial till. The surface layer is coarse textured or moderately coarse textured and has more than 35 percent rock fragments. The soils have a mollic epipedon that is more than 24 inches thick. The surface runoff class is medium to high. Permeability is moderate or moderately rapid. The available water capacity is low or moderate (2.80 to 5.82 inches) in the upper 60 inches. The additional available soil moisture received via wind deposition of snow is the main soil-related feature influencing the vegetation on these soils.

R022AY032NV—Alpine Ridge.—This site is on exposed ridges and peaks above timberline, at elevations of 10,000 to 12,000 feet (fig. 26). Slopes range from 4 to 75 percent. The vegetation on this site could be mistaken for mosses or lichens at first glance because of the extremely compact and prostrate growth form of this plant community. Common plant species include dwarf alpine paintbrush (*Castilleja nana*), fewseed draba (*Draba oligosperma*), rosy buckwheat (*Eriogonum rosense*), dwarf phlox (*Phlox condensata*), Nevada podistera (*Podistera nevadensis*), timberline bluegrass (*Poa glauca*), squirreltail grass (*Elymus elymoides* spp. *californicus*), and needlegrass (*Achnatherum* spp). The vegetation is patchy with open, non-vegetated rubble land in between. The whitebark pine community intermingles with this community at the lower elevations. The soils associated with this site are very shallow to moderately deep, are somewhat excessively drained or excessively

Figure 26.—An area of ecological site R022AY032NV, Alpine Ridge.

drained, and formed in residuum and colluvium derived from granodiorite. The surface layer is very gravelly loamy coarse sand or gravel. Permeability is rapid. The surface runoff class is high or very high. The available water capacity is very low (0.19 inch to 2.20 inches) in the upper 60 inches.

Numerical List of Rangeland Ecological Sites

An asterisk (*) in the following list indicates Nevada ecological sites that are only minor components in this survey area and are not described in this survey. For more information, see the NRCS Ecological Site Information System Web site (http://esis.sc.egov.usda.gov).

R022AE202CA	Granitic Pocket
R022AE203CA	Frigid Loamy Floodplain
R022AE204CA	Sphagnum Fen
R022AE207CA	Cold Wet Alluvial Flat
R022AE208CA	Frigid Loamy Terrace
R022AE209CA	Flooded Basins
R022AE210CA	Shallow Sandy Slope
R022AE211CA	Shallow Andesite Ridge
R022AE213CA	Steep Talus Slope
R022AE214CA	Gravelly Flats
R022AE215CA	Deep Cryic Volcanic Slope
R022AE217CA	Volcanic Slopes
R022AE219CA	Cryic Volcanic Slope
R022AE221CA	Cold Semi-Wet Alluvial Flat
R022AY011NV*	Mountain Ridge
R022AY012NV	Barren Slope 20+ p.z.
R022AY013NV*	Gravelly Outwash
R022AY017NV*	Semi-Wet Meadow
R022AY020NV*	Prunus Pocket
R022AY021NV	South Slope 30+ p.z.
R022AY024NV*	Mahogany Savanna
R022AY025NV*	Mahogany Thicket
R022AY031NV*	Loamy Slope
R022AY032NV	Alpine Ridge
R022AY034NV*	Moist Willow
R022AY038NV*	Shallow Loam
R022AY051NV*	Krummholz

Alphabetical List of Rangeland Ecological Sites

An asterisk (*) in the following list indicates Nevada ecological sites that are only minor components in this survey area and are not described in this survey. For more information, see the NRCS Ecological Site Information System Web site (http://esis.sc.egov.usda.gov).

Alpine Ridge	R022AY032NV
Barren Slope 20+ p.z.	R022AY012NV
Cold Semi-Wet Alluvial Flat	R022AE221CA
Cold Wet Alluvial Flat	R022AE207CA
Cryic Volcanic Slope	R022AE219CA
Deep Cryic Volcanic Slope	R022AE215CA
Flooded Basins	R022AE209CA
Frigid Loamy Floodplain	R022AE203CA
Frigid Loamy Terrace	R022AE208CA
Granitic Pocket	R022AE202CA
Gravelly Flats	R022AE214CA
Gravelly Outwash	R022AY013NV*
Krummholz	R022AY051NV*
Loamy Slope	R022AY031NV*
Mahogany Savanna	R022AY024NV*
Mahogany Thicket	R022AY025NV*
Moist Willow	R022AY034NV*
Mountain Ridge	R022AY011NV*
Prunus Pocket	R022AY020NV*
Semi-Wet Meadow	R022AY017NV*
Shallow Andesite Ridge	R022AE211CA
Shallow Loam	R022AY038NV*
Shallow Sandy Slope	R022AE210CA
South Slope 30+ p.z.	R022AY021NV
Sphagnum Fen	R022AE204CA
Steep Talus Slope	R022AE213CA
Volcanic Slopes	R022AE217CA

Recreation

The soils of the survey area are rated in tables 15a and 15b according to limitations that affect their suitability for recreation. The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the recreational uses. A rating of *no limitations* indicates

that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. *Limitations* with numerical ratings between 0.00 and 1.00 can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. *Limitations* with a numerical rating of 1.00 indicate that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The ratings in the tables are based on restrictive soil features, such as wetness, slope, and texture of the surface layer. Susceptibility to flooding is considered. Not considered in the ratings, but important in evaluating a site, are the location and accessibility of the area, the size and shape of the area and its scenic quality, vegetation, access to water, potential water impoundment sites, and access to public sewer lines. The capacity of the soil to absorb septic tank effluent and the ability of the soil to support vegetation also are important. Soils that are subject to flooding are limited for recreational uses by the duration and intensity of flooding and the season when flooding occurs. In planning recreational facilities, onsite assessment of the height, duration, intensity, and frequency of flooding is essential.

The information in tables 15a and 15b can be supplemented by other information in this survey, for example, interpretations for building site development, construction materials, sanitary facilities, and water management.

Camp areas require site preparation, such as shaping and leveling the tent and parking areas, stabilizing roads and intensively used areas, and installing sanitary facilities and utility lines. Camp areas are subject to heavy foot traffic and some vehicular traffic. The ratings are based on the soil properties that affect the ease of developing camp areas and the performance of the areas after development. Slope, stoniness, and depth to bedrock or a cemented pan are the main concerns affecting the development of camp areas. The soil properties that affect the performance of the areas after development are those that influence trafficability and promote the growth of vegetation, especially in heavily used areas. For good trafficability, the surface of camp areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, permeability, and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, permeability, and toxic substances in the soil.

Picnic areas are subject to heavy foot traffic. Most vehicular traffic is confined to access roads and parking areas. The ratings are based on the soil properties that affect the ease of developing picnic areas and that influence trafficability and the growth of vegetation after development. Slope and stoniness are the main concerns affecting the development of picnic areas. For good trafficability, the surface of picnic areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, permeability, and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, permeability, and toxic substances in the soil.

Playgrounds require soils that are nearly level, are free of stones, and can withstand intensive foot traffic. The ratings are based on the soil properties that affect the ease of developing playgrounds and that influence trafficability and the growth of vegetation after development. Slope and stoniness are the main concerns affecting the development of playgrounds. For good trafficability, the surface of the

playgrounds should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, permeability, and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, permeability, and toxic substances in the soil.

Paths and trails for hiking and horseback riding should require little or no slope modification through cutting and filling. The ratings are based on the soil properties that affect trafficability and erodibility. These properties are stoniness, depth to a water table, ponding, flooding, slope, and texture of the surface layer.

Off-road motorcycle trails require little or no site preparation. They are not covered with surfacing material or vegetation. Considerable compaction of the soil material is likely. The ratings are based on the soil properties that influence erodibility, trafficability, dustiness, and the ease of revegetation. These properties are stoniness, slope, depth to a water table, ponding, flooding, and texture of the surface layer.

Golf fairways are subject to heavy foot traffic and some light vehicular traffic. Cutting or filling may be required. Irrigation is not considered in the ratings. The ratings are based on the soil properties that affect plant growth and trafficability after vegetation is established. The properties that affect plant growth are reaction; depth to a water table; ponding; depth to bedrock or a cemented pan; the available water capacity in the upper 40 inches; the content of salts, sodium, or calcium carbonate; and sulfidic materials. The properties that affect trafficability are flooding, depth to a water table, ponding, slope, stoniness, and the amount of sand, clay, or organic matter in the surface layer. The suitability of the soil for traps, tees, roughs, and greens is not considered in the ratings.

Engineering

This section provides information for planning land uses related to urban development and to water management. Soils are rated for various uses, and the most limiting features are identified. Ratings are given for building site development, sanitary facilities, construction materials, and water management. The ratings are based on observed performance of the soils and on the data in the tables described under the heading “Soil Properties.”

Information in this section is intended for land use planning, for evaluating land use alternatives, and for planning site investigations prior to design and construction. The information, however, has limitations. For example, estimates and other data generally apply only to that part of the soil between the surface and a depth of 5 to 7 feet. Because of the map scale, small areas of different soils may be included within the mapped areas of a specific soil.

The information is not site specific and does not eliminate the need for onsite investigation of the soils or for testing and analysis by personnel experienced in the design and construction of engineering works.

Government ordinances and regulations that restrict certain land uses or impose specific design criteria were not considered in preparing the information in this section. Local ordinances and regulations should be considered in planning, in site selection, and in design.

Soil properties, site features, and observed performance were considered in determining the ratings in this section. During the fieldwork for this soil survey, determinations were made about particle-size distribution, liquid limit, plasticity index, soil reaction, depth to bedrock, hardness of bedrock within 5 to 7 feet of the surface, soil wetness, depth to a water table, ponding, slope, likelihood of flooding, natural soil structure aggregation, and soil density. Data were collected about kinds of clay minerals, mineralogy of the sand and silt fractions, and the kinds of adsorbed cations.

Estimates were made for erodibility, permeability, corrosivity, shrink-swell potential, available water capacity, and other behavioral characteristics affecting engineering uses.

This information can be used to evaluate the potential of areas for residential, commercial, and industrial uses; make preliminary estimates of construction conditions; evaluate alternative routes for roads, streets, highways, pipelines, and underground cables; evaluate alternative sites for sanitary landfills, septic tank absorption fields, and sewage lagoons; plan detailed onsite investigations of soils and geology; locate potential sources of gravel, sand, earthfill, and topsoil; plan drainage systems, irrigation systems, ponds, terraces, and other structures for soil and water conservation; and predict performance of proposed small structures and pavements by comparing the performance of existing similar structures on the same or similar soils.

The information in the tables, along with the soil maps, the soil descriptions, and other data provided in this survey, can be used to make additional interpretations.

Some of the terms used in this soil survey have a special meaning in soil science and are defined in the Glossary.

Building Site Development

Soil properties influence the development of building sites, including the selection of the site, the design of the structure, construction, performance after construction, and maintenance. Tables 16a and 16b show the degree and kind of soil limitations that affect dwellings with and without basements, small commercial buildings, local roads and streets, shallow excavations, and lawns and landscaping.

The ratings in the tables are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect building site development. A rating of *no limitations* indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. *Limitations* with numerical ratings between 0.00 and 1.00 can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. *Limitations* with a numerical rating of 1.00 indicate that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

Dwellings are single-family houses of three stories or less. For dwellings without basements, the foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper. For dwellings with basements, the foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of about 7 feet. The ratings for dwellings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility. Compressibility is inferred from the Unified classification. The properties that affect the ease and amount of excavation include depth to a water table, ponding, flooding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

Small commercial buildings are structures that are less than three stories high and do not have basements. The foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper. The ratings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility (which is inferred from the Unified classification). The properties that affect the ease and amount of excavation include flooding, depth to a water table, ponding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

Local roads and streets have an all-weather surface and carry automobile and light truck traffic all year. They have a subgrade of cut or fill soil material; a base of gravel, crushed rock, or soil material stabilized by lime or cement; and a surface of flexible material (asphalt), rigid material (concrete), or gravel with a binder. The ratings are based on the soil properties that affect the ease of excavation and grading and the traffic-supporting capacity. The properties that affect the ease of excavation and grading are depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, depth to a water table, ponding, flooding, the amount of large stones, and slope. The properties that affect the traffic-supporting capacity are soil strength (as inferred from the AASHTO group index number), subsidence, linear extensibility (shrink-swell potential), the potential for frost action, depth to a water table, and ponding.

Shallow excavations are trenches or holes dug to a maximum depth of 5 or 6 feet for graves, utility lines, open ditches, or other purposes. The ratings are based on the soil properties that influence the ease of digging and the resistance to sloughing. Depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, the amount of large stones, and dense layers influence the ease of digging, filling, and compacting. Depth to the seasonal high water table, flooding, and ponding may restrict the period when excavations can be made. Slope influences the ease of using machinery. Soil texture, depth to the water table, and linear extensibility (shrink-swell potential) influence the resistance to sloughing.

Sanitary Facilities

Tables 17a and 17b show the degree and kind of soil limitations that affect septic tank absorption fields, sewage lagoons, sanitary landfills, and daily cover for landfill. The ratings are both verbal and numerical. A rating of *no limitations* indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. *Limitations* with numerical ratings between 0.00 and 1.00 can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. *Limitations* with a numerical rating of 1.00 indicate that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

Septic tank absorption fields are areas in which effluent from a septic tank is distributed into the soil through subsurface tiles or perforated pipe. Only that part of the soil between depths of 24 and 60 inches is evaluated. The ratings are based on the soil properties that affect absorption of the effluent, construction and maintenance

of the system, and public health. Permeability, depth to a water table, ponding, depth to bedrock or a cemented pan, and flooding affect absorption of the effluent. Stones and boulders, ice, and bedrock or a cemented pan interfere with installation. Subsidence interferes with installation and maintenance. Excessive slope may cause lateral seepage and surfacing of the effluent in downslope areas.

Some soils are underlain by loose sand and gravel or fractured bedrock at a depth of less than 4 feet below the distribution lines. In these soils the absorption field may not adequately filter the effluent, particularly when the system is new. As a result, the ground water may become contaminated.

Sewage lagoons are shallow ponds constructed to hold sewage while aerobic bacteria decompose the solid and liquid wastes. Lagoons should have a nearly level floor surrounded by cut slopes or embankments of compacted soil. Nearly impervious soil material for the lagoon floor and sides is required to minimize seepage and contamination of ground water. Considered in the ratings are slope, permeability, depth to a water table, ponding, depth to bedrock or a cemented pan, flooding, large stones, and content of organic matter.

Soil permeability is a critical property affecting the suitability for sewage lagoons. Most porous soils eventually become sealed when they are used as sites for sewage lagoons. Until sealing occurs, however, the hazard of pollution is severe. Soils that have a permeability rate of more than 2 inches per hour are too porous for the proper functioning of sewage lagoons. In these soils, seepage of the effluent can result in contamination of the ground water. Ground-water contamination is also a hazard if fractured bedrock is within a depth of 40 inches, if the water table is high enough to raise the level of sewage in the lagoon, or if floodwater overtops the lagoon.

A high content of organic matter is detrimental to proper functioning of the lagoon because it inhibits aerobic activity. Slope, bedrock, and cemented pans can cause construction problems, and large stones can hinder compaction of the lagoon floor. If the lagoon is to be uniformly deep throughout, the slope must be gentle enough and the soil material must be thick enough over bedrock or a cemented pan to make land smoothing practical.

A *trench sanitary landfill* is an area where solid waste is placed in successive layers in an excavated trench. The waste is spread, compacted, and covered daily with a thin layer of soil excavated at the site. When the trench is full, a final cover of soil material at least 2 feet thick is placed over the landfill. The ratings in the table are based on the soil properties that affect the risk of pollution, the ease of excavation, trafficability, and revegetation. These properties include permeability, depth to bedrock or a cemented pan, depth to a water table, ponding, slope, flooding, texture, stones and boulders, highly organic layers, soil reaction, and content of salts and sodium. Unless otherwise stated, the ratings apply only to that part of the soil within a depth of about 6 feet. For deeper trenches, onsite investigation may be needed.

Hard, nonrippable bedrock, creviced bedrock, or highly permeable strata in or directly below the proposed trench bottom can affect the ease of excavation and the hazard of ground-water pollution. Slope affects construction of the trenches and the movement of surface water around the landfill. It also affects the construction and performance of roads in areas of the landfill.

Soil texture and consistence affect the ease with which the trench is dug and the ease with which the soil can be used as daily or final cover. They determine the workability of the soil when dry and when wet. Soils that are plastic and sticky when wet are difficult to excavate, grade, or compact and are difficult to place as a uniformly thick cover over a layer of refuse.

The soil material used as the final cover for a trench landfill should be suitable for plants. It should not have excess sodium or salts and should not be too acid. The surface layer generally has the best workability, the highest content of organic matter,

and the best potential for plants. Material from the surface layer should be stockpiled for use as the final cover.

In an *area sanitary landfill*, solid waste is placed in successive layers on the surface of the soil. The waste is spread, compacted, and covered daily with a thin layer of soil from a source away from the site. A final cover of soil material at least 2 feet thick is placed over the completed landfill. The ratings in the table are based on the soil properties that affect trafficability and the risk of pollution. These properties include flooding, permeability, depth to a water table, ponding, slope, and depth to bedrock or a cemented pan.

Flooding is a serious problem because it can result in pollution in areas downstream from the landfill. If permeability is too rapid or if fractured bedrock, a fractured cemented pan, or the water table is close to the surface, the leachate can contaminate the water supply. Slope is a consideration because of the extra grading required to maintain roads in the steeper areas of the landfill. Also, leachate may flow along the surface of the soils in the steeper areas and cause difficult seepage problems.

Daily cover for landfill is the soil material that is used to cover compacted solid waste in an area sanitary landfill. The soil material is obtained offsite, transported to the landfill, and spread over the waste. The ratings in the table also apply to the final cover for a landfill. They are based on the soil properties that affect workability, the ease of digging, and the ease of moving and spreading the material over the refuse daily during wet and dry periods. These properties include soil texture, depth to a water table, ponding, rock fragments, slope, depth to bedrock or a cemented pan, reaction, and content of salts, sodium, or lime.

Loamy or silty soils that are free of large stones and excess gravel are the best cover for a landfill. Clayey soils may be sticky and difficult to spread; sandy soils are subject to wind erosion.

Slope affects the ease of excavation and of moving the cover material. Also, it can influence runoff, erosion, and reclamation of the borrow area.

After soil material has been removed, the soil material remaining in the borrow area must be thick enough over bedrock, a cemented pan, or the water table to permit revegetation. The soil material used as the final cover for a landfill should be suitable for plants. It should not have excess sodium, salts, or lime and should not be too acid.

Construction Materials

Tables 18a and 18b give information about the soils as potential sources of gravel, sand, topsoil, reclamation material, and roadfill. Normal compaction, minor processing, and other standard construction practices are assumed.

Sand and *gravel* are natural aggregates suitable for commercial use with a minimum of processing. They are used in many kinds of construction. Specifications for each use vary widely. In table 18A, only the likelihood of finding material in suitable quantity is evaluated. The suitability of the material for specific purposes is not evaluated, nor are factors that affect excavation of the material. The properties used to evaluate the soil as a source of sand or gravel are gradation of grain sizes (as indicated by the Unified classification of the soil), the thickness of suitable material, and the content of rock fragments. If the bottom layer of the soil contains sand or gravel, the soil is considered a likely source regardless of thickness. The assumption is that the sand or gravel layer below the depth of observation exceeds the minimum thickness.

The soils are rated *good, fair,* or *poor* as potential sources of sand and gravel. A rating of *good* or *fair* means that the source material is likely to be in or below the soil. The bottom layer and the thickest layer of the soils are assigned numerical ratings.

These ratings indicate the likelihood that the layer is a source of sand or gravel. The numbers 0.00 to 0.07 indicate that the layer is a poor source. The numbers 0.75 to 1.00 indicate that the layer is a good source. The numbers 0.08 to 0.74 indicate the degree to which the layer is a likely source.

The soils are rated *good, fair,* or *poor* as potential sources of topsoil, reclamation material, and roadfill. The features that limit the soils as sources of these materials are specified in the tables. The numerical ratings given after the specified features indicate the degree to which the features limit the soils as sources of topsoil, reclamation material, or roadfill. The lower the number, the greater the limitation.

Topsoil is used to cover an area so that vegetation can be established and maintained. The upper 40 inches of a soil is evaluated for use as topsoil. Also evaluated is the reclamation potential of the borrow area. The ratings are based on the soil properties that affect plant growth; the ease of excavating, loading, and spreading the material; and reclamation of the borrow area. Toxic substances, soil reaction, and the properties that are inferred from soil texture, such as available water capacity and fertility, affect plant growth. The ease of excavating, loading, and spreading is affected by rock fragments, slope, depth to a water table, soil texture, and thickness of suitable material. Reclamation of the borrow area is affected by slope, depth to a water table, rock fragments, depth to bedrock or a cemented pan, and toxic material.

The surface layer of most soils is generally preferred for topsoil because of its organic matter content. Organic matter greatly increases the absorption and retention of moisture and nutrients for plant growth.

Reclamation material is used in areas that have been drastically disturbed by surface mining or similar activities. When these areas are reclaimed, layers of soil material or unconsolidated geological material, or both, are replaced in a vertical sequence. The reconstructed soil favors plant growth. The ratings in the table do not apply to quarries and other mined areas that require an offsite source of reconstruction material. The ratings are based on the soil properties that affect erosion and stability of the surface and the productive potential of the reconstructed soil. These properties include the content of sodium, salts, and calcium carbonate; reaction; available water capacity; erodibility; texture; content of rock fragments; and content of organic matter and other features that affect fertility.

Roadfill is soil material that is excavated in one place and used in road embankments in another place. In this table, the soils are rated as a source of roadfill for low embankments, generally less than 6 feet high and less exacting in design than higher embankments.

The ratings are for the whole soil, from the surface to a depth of about 5 feet. It is assumed that soil layers will be mixed when the soil material is excavated and spread.

The ratings are based on the amount of suitable material and on soil properties that affect the ease of excavation and the performance of the material after it is in place. The thickness of the suitable material is a major consideration. The ease of excavation is affected by large stones, depth to a water table, and slope. How well the soil performs in place after it has been compacted and drained is determined by its strength (as inferred from the AASHTO classification of the soil) and linear extensibility (shrink-swell potential).

Water Management

Tables 19a and 19b provide information on the soil properties and site features that affect water management. The degree and kind of soil limitations are given for pond reservoir areas; embankments, dikes, and levees; and various irrigation systems. The ratings are both verbal and numerical. A rating of *no limitations*

indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. *Limitations* with numerical ratings between 0.00 and 1.00 can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. *Limitations* with a numerical rating of 1.00 indicate that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

Pond reservoir areas hold water behind a dam or embankment. Soils best suited to this use have low seepage potential in the upper 60 inches. The seepage potential is determined by the permeability of the soil and the depth to fractured bedrock or other permeable material. Excessive slope can affect the storage capacity of the reservoir area.

Embankments, dikes, and levees are raised structures of soil material, generally less than 20 feet high, constructed to impound water or to protect land against overflow. Embankments that have zoned construction (core and shell) are not considered. In this table, the soils are rated as a source of material for embankment fill. The ratings apply to the soil material below the surface layer to a depth of about 5 feet. It is assumed that soil layers will be uniformly mixed and compacted during construction.

The ratings do not indicate the ability of the natural soil to support an embankment. Soil properties to a depth even greater than the height of the embankment can affect performance and safety of the embankment. Generally, deeper onsite investigation is needed to determine these properties.

Soil material in embankments must be resistant to seepage, piping, and erosion and have favorable compaction characteristics. Unfavorable features include less than 5 feet of suitable material and a high content of stones or boulders, organic matter, or salts or sodium. A high water table affects the amount of usable material. It also affects trafficability.

Sprinkler irrigation systems vary in shape, size, and design depending on the needs of the crop grown and the soil type. These systems can be used on a wider range of soils than can border systems. Most sprinkler systems can be used on slopes of as much as 15 percent. Ponding, surface erodibility, and depth to a cemented pan or bedrock typically limit design and performance.

Drip (or trickle) irrigation systems are very efficient and are most economical for wide-spaced crops, such as trees and vines. Slope generally is not a limitation, and the movement of water through the soil can be controlled by the application rate. Soil texture, movement of water through the soil, surface coarse fragments, and available water capacity are less limiting with these systems than with other irrigation systems.

Furrow irrigation systems are some of the oldest irrigation methods. They require efficient management. A furrow is a small, shallow channel that is installed down the slope or across the slope of a field. The length of the furrow should be determined by soil type and slope. Furrows extending downslope contribute to soil erosion. Soil texture, erodibility, and depth to a cemented pan or bedrock typically limit performance and affect maintenance.

Soil Properties

Data relating to soil properties are collected during the course of the soil survey.

Soil properties are ascertained by field examination of the soils and by laboratory index testing of some benchmark soils. Established standard procedures are followed. During the survey, many shallow borings are made and examined to identify and classify the soils and to delineate them on the soil maps. Samples are taken from some typical profiles and tested in the laboratory to determine particle-size distribution, plasticity, and compaction characteristics.

Estimates of soil properties are based on field examinations, on laboratory tests of samples from the survey area, and on laboratory tests of samples of similar soils in nearby areas. Tests verify field observations, verify properties that cannot be estimated accurately by field observation, and help to characterize key soils.

The estimates of soil properties are shown in tables. They include engineering index properties, physical and chemical properties, and pertinent soil and water features.

Engineering Index Properties

Table 20 gives the engineering classifications and the range of index properties for the layers of each soil in the survey area.

Depth to the upper and lower boundaries of each layer is indicated.

Texture is given in abbreviations for the standard terms used by the U.S. Department of Agriculture. These terms are defined according to percentages of sand, silt, and clay in the fraction of the soil that is less than 2 millimeters in diameter. “Loam,” for example, is soil that is 7 to 27 percent clay, 28 to 50 percent silt, and less than 52 percent sand. If the content of particles coarser than sand is 15 percent or more, an appropriate modifier is added, for example, “gravelly.” Textural terms are defined in the Glossary.

Classification of the soils is determined according to the Unified soil classification system (ASTM, 2005) and the system adopted by the American Association of State Highway and Transportation Officials (AASHTO, 2004).

The Unified system classifies soils according to properties that affect their use as construction material. Soils are classified according to particle-size distribution of the fraction less than 3 inches in diameter and according to plasticity index, liquid limit, and organic matter content. Sandy and gravelly soils are identified as GW, GP, GM, GC, SW, SP, SM, and SC; silty and clayey soils as ML, CL, OL, MH, CH, and OH; and highly organic soils as PT. Soils exhibiting engineering properties of two groups can have a dual classification, for example, CL-ML.

The AASHTO system classifies soils according to those properties that affect roadway construction and maintenance. In this system, the fraction of a mineral soil that is less than 3 inches in diameter is classified in one of seven groups from A-1 through A-7 on the basis of particle-size distribution, liquid limit, and plasticity index. Soils in group A-1 are coarse grained and low in content of fines (silt and clay). At the other extreme, soils in group A-7 are fine grained. Highly organic soils are classified in group A-8 on the basis of visual inspection.

If laboratory data are available, the A-1, A-2, and A-7 groups are further classified as A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-7-5, or A-7-6. As an additional refinement, the suitability of a soil as subgrade material can be indicated by a group index number. Group index numbers range from 0 for the best subgrade material to 20 or higher for the poorest.

Rock fragments larger than 10 inches in diameter and 3 to 10 inches in diameter are indicated as a percentage of the total soil on a dry-weight basis. The percentages are estimates determined mainly by converting volume percentage in the field to weight percentage.

Percentage (of soil particles) passing designated sieves is the percentage of the soil fraction less than 3 inches in diameter based on an ovendry weight. The sieves, numbers 4, 10, 40, and 200 (USA Standard Series), have openings of 4.76, 2.00, 0.420, and 0.074 millimeters, respectively. Estimates are based on laboratory tests of soils sampled in the survey area and in nearby areas and on estimates made in the field.

Liquid limit and *plasticity index* (Atterberg limits) indicate the plasticity characteristics of a soil. The estimates are based on test data from the survey area or from nearby areas and on field examination.

Physical Properties

Table 21 shows estimates of some physical characteristics and features that affect soil behavior. These estimates are given for the layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

Depth to the upper and lower boundaries of each layer is indicated.

Clay as a soil separate consists of mineral soil particles that are less than 0.002 millimeter in diameter. In table 21, the estimated clay content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The amount and kind of clay affect the fertility and physical condition of the soil and the ability of the soil to adsorb cations and to retain moisture. They influence shrink-swell potential, permeability, plasticity, the ease of soil dispersion, and other soil properties. The amount and kind of clay in a soil also affect tillage and earth-moving operations.

Moist bulk density is the weight of soil (ovendry) per unit volume. Volume is measured when the soil is at field moisture capacity, that is, the moisture content at $^1/_3$- or $^1/_{10}$-bar (33kPa or 10kPa) moisture tension. Weight is determined after the soil is dried at 105 degrees C. In the table, the estimated moist bulk density of each soil horizon is expressed in grams per cubic centimeter of soil material that is less than 2 millimeters in diameter. Bulk density data are used to compute shrink-swell potential, available water capacity, total pore space, and other soil properties. The moist bulk density of a soil indicates the pore space available for water and roots. Depending on soil texture, a bulk density of more than 1.4 can restrict water storage and root penetration. Moist bulk density is influenced by texture, kind of clay, content of organic matter, and soil structure.

Saturated hydraulic conductivity refers to the ability of a soil to transmit water or air. The term “permeability,” as used in soil surveys, indicates saturated hydraulic conductivity (Ksat). The estimates in the table indicate the rate of water movement, in micrometers per second (um/sec), when the soil is saturated. They are based on field measurements and on soil characteristics observed in the field, particularly structure, porosity, and texture. Permeability is considered in the design of soil drainage systems and septic tank absorption fields.

Available water capacity refers to the quantity of water that the soil is capable of storing for use by plants. The capacity for water storage is given in inches of water per inch of soil for each soil layer. The capacity varies, depending on soil properties that affect retention of water. The most important properties are the content of organic matter, soil texture, bulk density, and soil structure. Available water capacity is an important factor in the choice of plants or crops to be grown and in the design and management of irrigation systems. Available water capacity is not an estimate of the quantity of water actually available to plants at any given time.

Linear extensibility refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. It is an expression of the volume change between the water content of the clod at 1/3- or 1/10-bar tension (33kPa or 10kPa tension) and oven dryness. The volume change is reported in the table as percent change for the whole soil. Volume change is influenced by the amount and type of clay minerals in the soil.

Linear extensibility is used to determine the shrink-swell potential of soils. The shrink-swell potential is low if the soil has a linear extensibility of less than 3 percent; moderate if 3 to 6 percent; high if 6 to 9 percent; and very high if more than 9 percent. If the linear extensibility is more than 3, shrinking and swelling can cause damage to buildings, roads, and other structures and to plant roots. Special design commonly is needed.

Organic matter is the plant and animal residue in the soil at various stages of decomposition. In table 21, the estimated content of organic matter is expressed as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of organic matter in a soil can be maintained by returning crop residue to the soil. Organic matter has a positive effect on available water capacity, water infiltration, soil organism activity, and tilth. It is a source of nitrogen and other nutrients for crops and soil organisms. The estimates in table 21 are based on laboratory analyses of total carbon.

Erosion Properties

Erosion factors are shown in table 22 as the K factor (Kw and Kf) and the T factor. Erosion factor K indicates the susceptibility of a soil to sheet and rill erosion by water. Factor K is one of several factors used in the Universal Soil Loss Equation (USLE) and the Revised Universal Soil Loss Equation (RUSLE) to predict the average annual rate of soil loss by sheet and rill erosion in tons per acre per year. The estimates are based primarily on percentage of silt, sand, and organic matter and on soil structure and permeability. Values of K range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.

Depth to the upper and lower boundaries of each layer is indicated.

Erosion factor Kw indicates the erodibility of the whole soil. The estimates are modified by the presence of rock fragments.

Erosion factor Kf indicates the erodibility of the fine-earth fraction, or the material less than 2 millimeters in size.

The Kw and KF factors were modified by determinations of the “profile permeability class” for each horizon. The slowest Ksat within 50 centimeters of the top of the horizon being rated was used when these determinations were made.

Erosion factor T is an estimate of the maximum average annual rate of soil erosion by wind or water that can occur without affecting crop productivity over a sustained period. The rate is in tons per acre per year.

Wind erodibility groups are made up of soils that have similar properties affecting their susceptibility to wind erosion in cultivated areas. The soils assigned to group 1 are the most susceptible to wind erosion, and those assigned to group 8 are the least

susceptible. A description of the wind erodibility groups is available in the “National Soil Survey Handbook” (http://soils.usda.gov/technical/handbook/).

Wind erodibility index is a numerical value indicating the susceptibility of soil to wind erosion, or the tons per acre per year that can be expected to be lost to wind erosion. There is a close correlation between wind erosion and the texture of the surface layer, the size and durability of surface clods, rock fragments, organic matter, and a calcareous reaction. Soil moisture and frozen soil layers also influence wind erosion.

Chemical Properties

Table 23 shows estimates of some chemical characteristics and features that affect soil behavior. These estimates are given for the layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

Depth to the upper and lower boundaries of each layer is indicated.

Cation-exchange capacity is the total amount of extractable bases that can be held by the soil, expressed in terms of milliequivalents per 100 grams of soil at neutrality (pH 7.0) or at some other stated pH value. Soils having a low cation-exchange capacity hold fewer cations and may require more frequent applications of fertilizer than soils having a high cation-exchange capacity. The ability to retain cations reduces the hazard of ground-water pollution.

Effective cation-exchange capacity refers to the sum of extractable bases plus aluminum expressed in terms of milliequivalents per 100 grams of soil. It is determined for soils that have pH of less than 5.5.

Soil reaction is a measure of acidity or alkalinity. The pH of each soil horizon is based on many field tests. For many soils, values have been verified by laboratory analyses. Soil reaction is important in selecting crops and other plants, in evaluating soil amendments for fertility and stabilization, and in determining the risk of corrosion.

Water Features

Table 24 gives estimates of various water features. The estimates are used in land use planning that involves engineering considerations.

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The four hydrologic soil groups are:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near

the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas.

The criteria for hydrologic soil groups are available in the "National Engineering Handbook," Title 210-VI, Part 630, Chapter 7 (http://directives.sc.egov.usda.gov/media/pdf/H_210_630_7.pdf.)

The *months* in the table indicate the portion of the year in which the feature is most likely to be a concern.

Water table refers to a saturated zone in the soil. Table 24 indicates, by month, depth to the top (*upper limit*) and base (*lower limit*) of the saturated zone in most years. Estimates of the upper and lower limits are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors or mottles (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

Ponding is standing water in a closed depression. Unless a drainage system is installed, the water is removed only by percolation, transpiration, or evaporation. Table 24 indicates *surface water depth* and the *duration* and *frequency* of ponding. Duration is expressed as *very brief* if less than 2 days, *brief* if 2 to 7 days, *long* if 7 to 30 days, and *very long* if more than 30 days. Frequency is expressed as none, rare, occasional, and frequent. *None* means that ponding is not probable; *rare* that it is unlikely but possible under unusual weather conditions (the chance of ponding is nearly 0 percent to 5 percent in any year); *occasional* that it occurs, on the average, once or less in 2 years (the chance of ponding is 5 to 50 percent in any year); and *frequent* that it occurs, on the average, more than once in 2 years (the chance of ponding is more than 50 percent in any year).

Flooding is the temporary inundation of an area caused by overflowing streams, by runoff from adjacent slopes, or by tides. Water standing for short periods after rainfall or snowmelt is not considered flooding, and water standing in swamps and marshes is considered ponding rather than flooding.

Duration and *frequency* are estimated. Duration is expressed as *extremely brief* if 0.1 hour to 4 hours, *very brief* if 4 hours to 2 days, *brief* if 2 to 7 days, *long* if 7 to 30 days, and *very long* if more than 30 days. Frequency is expressed as none, very rare, rare, occasional, frequent, and very frequent. *None* means that flooding is not probable; *very rare* that it is very unlikely but possible under extremely unusual weather conditions (the chance of flooding is less than 1 percent in any year); *rare* that it is unlikely but possible under unusual weather conditions (the chance of flooding is 1 to 5 percent in any year); *occasional* that it occurs infrequently under normal weather conditions (the chance of flooding is 5 to 50 percent in any year); *frequent* that it is likely to occur often under normal weather conditions (the chance of flooding is more than 50 percent in any year but is less than 50 percent in all months in any year); and *very frequent* that it is likely to occur very often under normal weather conditions (the chance of flooding is more than 50 percent in all months of any year).

The information is based on evidence in the soil profile, namely thin strata of gravel, sand, silt, or clay deposited by floodwater; irregular decrease in organic matter content with increasing depth; and little or no horizon development.

Also considered are local information about the extent and levels of flooding and the relation of each soil on the landscape to historic floods. Information on the extent of flooding based on soil data is less specific than that provided by detailed engineering surveys that delineate flood-prone areas at specific flood frequency levels.

Soil Features

Table 25 gives estimates of various soil features. The estimates are used in land use planning that involves engineering considerations.

A *restrictive layer* is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers. The table indicates the hardness and thickness of the restrictive layer, both of which significantly affect the ease of excavation. *Depth to top* is the vertical distance from the soil surface to the upper boundary of the restrictive layer.

Subsidence is the settlement of organic soils or of saturated mineral soils of very low density. Subsidence generally results from either desiccation and shrinkage or oxidation of organic material, or both, following drainage. Subsidence takes place gradually, usually over a period of several years. The table shows the expected initial subsidence, which usually is a result of drainage, and total subsidence, which results from a combination of factors.

Potential for frost action is the likelihood of upward or lateral expansion of the soil caused by the formation of segregated ice lenses (frost heave) and the subsequent collapse of the soil and loss of strength on thawing. Frost action occurs when moisture moves into the freezing zone of the soil. Temperature, texture, density, permeability, content of organic matter, and depth to the water table are the most important factors considered in evaluating the potential for frost action. It is assumed that the soil is not insulated by vegetation or snow and is not artificially drained. Silty and highly structured, clayey soils that have a high water table in winter are the most susceptible to frost action. Well drained, very gravelly, or very sandy soils are the least susceptible. Frost heave and low soil strength during thawing cause damage to pavements and other rigid structures.

Risk of corrosion pertains to potential soil-induced electrochemical or chemical action that corrodes or weakens uncoated steel or concrete. The rate of corrosion of uncoated steel is related to such factors as soil moisture, particle-size distribution, acidity, and electrical conductivity of the soil. The rate of corrosion of concrete is based mainly on the sulfate and sodium content, texture, moisture content, and acidity of the soil. Special site examination and design may be needed if the combination of factors results in a severe hazard of corrosion. The steel or concrete in installations that intersect soil boundaries or soil layers is more susceptible to corrosion than the steel or concrete in installations that are entirely within one kind of soil or within one soil layer.

For uncoated steel, the risk of corrosion, expressed as *low, moderate,* or *high,* is based on soil drainage class, total acidity, electrical resistivity near field capacity, and electrical conductivity of the saturation extract.

For concrete, the risk of corrosion also is expressed as *low, moderate,* or *high*. It is based on soil texture, acidity, and amount of sulfates in the saturation extract.

Classification of the Soils

The system of soil classification used by the National Cooperative Soil Survey has six categories (Soil Survey Staff, 1999 and 2006). Beginning with the broadest, these categories are the order, suborder, great group, subgroup, family, and series. Classification is based on soil properties observed in the field or inferred from those observations or from laboratory measurements. Table 26 shows the classification of the soils in the survey area. The categories are defined in the following paragraphs.

ORDER. Twelve soil orders are recognized. The differences among orders reflect the dominant soil-forming processes and the degree of soil formation. Each order is identified by a word ending in *sol*. An example is Alfisol.

SUBORDER. Each order is divided into suborders primarily on the basis of properties that influence soil genesis and are important to plant growth or properties that reflect the most important variables within the orders. The last syllable in the name of a suborder indicates the order. An example is Xeralf (*Xer*, meaning dry, plus *alf*, from Alfisol).

GREAT GROUP. Each suborder is divided into great groups on the basis of close similarities in kind, arrangement, and degree of development of pedogenic horizons; soil moisture and temperature regimes; type of saturation; and base status. Each great group is identified by the name of a suborder and by a prefix that indicates a property of the soil. An example is Haploxeralfs (*Hapl*, meaning minimal horizonation, plus *xeralf*, the suborder of the Alfisols that has a xeric moisture regime).

SUBGROUP. Each great group has a typic subgroup. Other subgroups are intergrades or extragrades. The typic subgroup is the central concept of the great group; it is not necessarily the most extensive. Intergrades are transitions to other orders, suborders, or great groups. Extragrades have some properties that are not representative of the great group but do not indicate transitions to any other taxonomic class. Each subgroup is identified by one or more adjectives preceding the name of the great group. An example is Ultic Haploxeralfs.

FAMILY. Families are established within a subgroup on the basis of physical and chemical properties and other characteristics that affect management. Generally, the properties are those of horizons below plow depth where there is much biological activity. Among the properties and characteristics considered are particle-size class, mineralogy class, cation-exchange activity class, soil temperature regime, soil depth, and reaction class. A family name consists of the name of a subgroup preceded by terms that indicate soil properties. An example is fine-loamy, isotic, frigid Ultic Haploxeralfs.

SERIES. The series consists of soils within a family that have horizons similar in color, texture, structure, reaction, consistence, mineral and chemical composition, and arrangement in the profile. An example is the Tahoma series.

Soil Series and Their Morphology

In this section, each soil series recognized in the survey area is described. Characteristics of the soil and the material in which it formed are identified for each series. A pedon, a small three-dimensional area of soil, that is typical of the series in

the survey area is described. The detailed description of each soil horizon follows standards in the “Soil Survey Manual” (Soil Survey Division Staff, 1993). Many of the technical terms used in the descriptions are defined in “Soil Taxonomy” (Soil Survey Staff, 1999) and in “Keys to Soil Taxonomy” (Soil Survey Staff, 2006). Unless otherwise indicated, colors in the descriptions are for dry soil. Following the pedon description is the range of important characteristics of the soils in the series.

Aquic Xerorthents

The Aquic Xerorthents in this survey area consist of very deep, poorly drained soils that formed in alluvium and colluvium in riparian corridors. Slopes range from 0 to 15 percent. The mean annual precipitation is about 750 millimeters, and the mean annual air temperature is about 6 degrees C.

Taxonomic classification: Coarse-loamy, mixed, superactive, frigid Aquic Xerorthents

Reference pedon

Aquic Xerorthents, on a south-facing (190-degree) slope of 7 percent, at an elevation of 2,352 meters, in an area of Oxyaquic Cryorthents-Aquic Xerorthents-Tahoe complex, 0 to 15 percent slopes.

When described on 6/15/1999, the soil was moist throughout. Colors are for dry soil unless otherwise indicated.

Oe—0 to 1 centimeter; moderately decomposed plant material.

Oa—1 to 3 centimeters; very dark grayish brown (10YR 3/2), highly decomposed plant material, very dark gray (10YR 3/1) moist; strongly acid (pH 5.5); gradual smooth boundary. (Laboratory sample number 00P2515)

A1—3 to 10 centimeters; dark grayish brown (10YR 4/2) sandy loam, very dark grayish brown (10YR 3/2) moist; 73 percent sand; 10 percent clay; weak fine subangular blocky and moderate fine granular structure; slightly sticky and nonplastic; common very fine, fine, and medium roots; 5 percent gravel; moderately acid (pH 5.6); gradual smooth boundary. (Laboratory sample number 00P2516)

A2—10 to 23 centimeters; dark grayish brown (10YR 4/2) sandy loam, very dark grayish brown (10YR 3/2) moist; 72 percent sand; 16 percent clay; moderate coarse and weak fine and medium subangular blocky structure; slightly sticky and nonplastic; common very fine, fine, and medium roots; 6 percent gravel; moderately acid (pH 5.6); gradual smooth boundary.

C1—23 to 36 centimeters; brown (10YR 5/3) coarse sandy loam, grayish brown (10YR 5/2) moist; 70 percent sand; 18 percent clay; massive; moderately sticky and slightly plastic; common very fine, fine, medium, coarse, and very coarse roots; 7 percent gravel; moderately acid (pH 5.7); clear wavy boundary. (Laboratory sample number 00P2517)

C2—36 to 74 centimeters; brown (10YR 5/3) sandy loam, grayish brown (10YR 5/2) moist; 73 percent sand; 17 percent clay; massive; moderately sticky and slightly plastic; few very fine and fine and common coarse and very coarse roots; 9 percent gravel; slightly acid (pH 6.2); gradual smooth boundary. (Laboratory sample number 00P2518)

C3—74 to 104 centimeters; brownish yellow (10YR 6/6) gravelly sandy loam, grayish brown (10YR 5/2) moist; 70 percent sand; 18 percent clay; massive; moderately sticky and slightly plastic; strong brown (7.5YR 5/6 moist) masses of oxidized iron throughout; 33 percent gravel; slightly acid (pH 6.2). (Laboratory sample number 00P2519)

C4—104 to 114 centimeters; yellowish brown (10YR 5/4) loamy coarse sand, brown (10YR 5/3) moist; 79 percent sand; 14 percent clay; massive; slightly sticky and nonplastic; 10 percent dark greenish gray (5GY 4/1 moist) iron depletions throughout and 30 percent strong brown (7.5YR 5/8 moist) masses of oxidized iron throughout; 5 percent gravel; slightly acid (pH 6.3). (Laboratory sample number 00P2520)

C5—114 to 122 centimeters; brownish yellow (10YR 6/6) sandy loam, brown (10YR 5/3) moist; 64 percent sand; 20 percent clay; massive; 25 percent greenish gray (5G 5/1 moist) iron depletions throughout and 50 percent strong brown (7.5YR 5/8 moist) masses of oxidized iron throughout; slightly acid (pH 6.4). (Laboratory sample number 00P2521)

This reference pedon is an example of the soils within this category. Because of the highly variable nature of these soils, this pedon is not necessarily representative of the Aquic Xerorthents throughout the survey area. The soils have a coarse-loamy particle-size control section in some areas and a loamy-skeletal one in others.

Type location: Douglas County, Nevada; 720 meters west and 80 meters north of the southeast corner of sec. 7, T. 14 N., R. 19 E.; 39 degrees 5 minutes 5 seconds north latitude and 119 degrees 53 minutes 21 seconds west longitude; NAD83; USGS quadrangle: Glenbrook, Nevada.

Range in characteristics

These soils are dry in all parts of the soil moisture control section for 45 or more consecutive days in the 4 months following the summer solstice and moist in all parts for 45 or more consecutive days in the 4 months following the winter solstice in most years. The soils have an aquic xeric moisture regime.

Depth to a seasonal high water table: 50 to 100 centimeters
Flooding: Frequently flooded
Ponding: None
Content of organic matter: 2 to 15 percent in the A horizons and less than 3 percent (typically about 0.5 percent) in the C horizons
Reaction: Strongly acid to slightly acid
Depth to redoximorphic features: 50 to 100 centimeters

Particle-size control section:
- Content of rock fragments—0 to 60 percent
- Mineralogy—mixed

A horizons:
- Hue—10YR
- Value—3 or 4 dry or moist
- Chroma—2 or 3 dry, 1 or 2 moist
- Texture of the fine-earth fraction—sandy loam or coarse sandy loam
- Content of clay—0 to 20 percent
- Content of rock fragments—0 to 60 percent
- Reaction—pH of 5.1 to 6.5

C horizons:
- Hue—10YR
- Value—4 to 6 dry, 4 or 5 moist
- Chroma—3 to 6 dry, 2 to 4 moist
- Texture of the fine-earth fraction—loamy coarse sand, coarse sandy loam, or sandy loam
- Content of clay—averages just under 18 percent

Content of rock fragments—0 to 35 percent
Reaction—pH of 5.1 to 6.5

Bidart Series

The Bidart series consists of very deep, very poorly drained soils that formed in alluvium derived from mixed sources. These soils are on flood plains in the mountains. Slopes are 0 to 2 percent. The mean annual precipitation is about 1,295 millimeters, and the mean annual air temperature is about 3 degrees C.

Taxonomic classification: Coarse-loamy, mixed, superactive, acid Fluvaquentic Cryaquepts

Typical pedon

Bidart mucky silt loam, on a slope of 0 percent, at an elevation of 2,548 meters, in an area of Bidart complex, 0 to 2 percent slopes.

When described on 9/16/2002, the soil was dry to a depth of 41 centimeters and moist from 41 centimeters to the water table, which was at a depth of 145 centimeters. Colors are for dry soil unless otherwise indicated.

Oa—0 to 7 centimeters; muck; abrupt smooth boundary.
A—7 to 22 centimeters; grayish brown (10YR 5/2) (interior) mucky silt loam, dark brown (10YR 3/3) rubbed and moist; 35 percent sand; 62 percent silt; 3 percent clay; weak fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; few fine and few very fine roots throughout; 5 percent prominent yellowish red (5YR 5/8 moist) masses of oxidized iron; 1 percent 2- to 5-millimeter pebbles and 2 percent 5- to 75-millimeter pebbles; strongly acid (pH 5.4) by chlorophenol red; abrupt smooth boundary.
Bg—22 to 40 centimeters; grayish brown (10YR 5/2) (interior) silt loam, dark brown (10YR 3/3) rubbed and moist; 35 percent sand; 62 percent silt; 3 percent clay; moderate fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; few fine and few very fine roots throughout; common very fine dendritic tubular pores; 10 percent prominent strong brown (7.5YR 5/8 moist) masses of oxidized iron; 1 percent 5- to 75-millimeter pebbles and 1 percent 2- to 5-millimeter pebbles; strongly acid (pH 5.4) by chlorophenol red; abrupt smooth boundary.
C—40 to 43 centimeters; extremely gravelly coarse sand; 95 percent sand; 5 percent silt; single grained; loose, nonsticky and nonplastic; many fine interstitial pores; 80 percent 2- to 75-millimeter pebbles; abrupt smooth boundary.
2Bg1—43 to 100 centimeters; very fine sandy loam, grayish brown (10YR 5/2) (interior) moist; 60 percent sand; 38 percent silt; 2 percent clay; moderate medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; few fine and few very fine roots throughout; many very fine tubular pores; 10 percent prominent strong brown (7.5YR 5/8 moist) masses of oxidized iron; 1 percent 5- to 75-millimeter pebbles and 1 percent 2- to 5-millimeter pebbles; strongly acid (pH 5.4) by chlorophenol red; gradual smooth boundary.
2Bg2—100 to 150 centimeters; sandy loam, grayish brown (10YR 5/2) (interior) moist; 70 percent sand; 27 percent silt; 3 percent clay; soft, very friable, nonsticky and nonplastic; 5 percent 5- to 75-millimeter pebbles and 5 percent 2- to 5-millimeter pebbles; strongly acid (pH 5.4) by chlorophenol red.

Type location: El Dorado County, California; in a meadow south of Meiss Lake, 789 feet east and 1,213 feet south of sec. 9, T. 10 N., R. 18 E.; 38 degrees 43 minutes 50 seconds north latitude and 120 degrees 0 minutes 51 seconds west longitude; NAD83; USGS quadrangle: Caples Lake, California.

Range in characteristics

These soils are usually saturated in some part of the moisture control section during winter, spring, and early summer and are usually dry in the upper part during summer and fall, when the water table drops to a depth of 100 to 200 centimeters. The soils have a typic aquic moisture regime.

Depth to a seasonal high water table: 0 to 25 centimeters
Flooding: Occasional or frequent
Ponding: Occasional or frequent
Mean annual soil temperature: 5 to 6 degrees C at a depth of 50 centimeters
Percentage of the surface covered by rock fragments: 0 to 5 percent by gravel
Reaction: Strongly acid
Base saturation: Very low, 5 to 15 percent, where the influence of volcanic parent material is strong and ranging to 50 percent where the parent material is more commonly granodiorite
Depth to redoximorphic features: 0 to 25 centimeters

Particle-size control section: 25 to 100 centimeters
Content of rock fragments—0 to 15 percent gravel
Content of clay—averages 2 to 15 percent
Mineralogy—mixed

A horizon:
Hue—10YR
Value—5 dry, 3 moist
Chroma—2 dry, 3 moist
Content of organic matter—10 to 20 percent
Redoximorphic features—masses of oxidized iron
Texture of the fine-earth fraction—mucky silt loam
Content of clay—1 to 15 percent
Content of rock fragments—0 to 25 percent, mostly 2 to 5 millimeters in size
Reaction—pH of 4.5 to 6.0

C horizon:
Content of organic matter—0 to 2 percent
Texture of the fine-earth fraction—coarse sand
Content of clay—0 to 3 percent
Content of rock fragments—35 to 90 percent, mostly 2 to 5 millimeters in size
Reaction—pH of 4.5 to 6.0

2Bg horizons:
Hue—10YR
Value—4 to 6 dry, 2 to 6 moist
Chroma—2 or 3 dry or moist
Content of organic matter—1 to 10 percent
Redoximorphic features—masses of oxidized iron
Texture of the fine-earth fraction—coarse sandy loam, sandy loam, very fine sandy loam, or silt loam
Content of clay—0 to 15 percent
Content of rock fragments—0 to 15 percent, mostly 2 to 5 millimeters in size
Reaction—pH of 4.5 to 6

The C horizon described above is typical of deposition in the meadows from high flood events. Colors are typically those of the sand grains or small pebbles. In some areas, this material is on the surface and is thought to be from the rain on snow event of 1996.

Burnlake Series

The Burnlake series consists of very deep, well drained soils that formed in till derived from mixed rocks. These soils are on moraines. Slopes range from 8 to 30 percent. The mean annual precipitation is about 890 millimeters, and the mean annual air temperature is about 5 degrees C.

Taxonomic classification: Loamy-skeletal, mixed, superactive, frigid Humic Dystroxerepts

Typical pedon

Burnlake extremely gravelly sandy loam, in a forested area of a Burnlake-Roadcat association.

The percentage of the surface covered by rock fragments is as follows: 45 percent by gravel, 5 percent by cobbles, 5 percent by stones, and 5 percent by boulders. Colors are for dry soil unless otherwise indicated.

A1—0 to 6 centimeters; dark grayish brown (10YR 4/2) extremely gravelly sandy loam, very dark brown (10YR 2/2) moist; weak fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine and common fine roots; common very fine interstitial and tubular pores; 50 percent gravel, 5 percent cobbles, and 5 percent stones; slightly acid; clear wavy boundary.

A2—6 to 43 centimeters; brown (10YR 5/3) extremely gravelly sandy loam, dark brown (10YR 3/3) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; many very fine and common fine roots; common very fine interstitial and tubular pores; 55 percent gravel, 10 percent cobbles, and 5 percent stones; slightly acid; clear wavy boundary.

Bw—43 to 66 centimeters; pale brown (10YR 6/3) extremely gravelly coarse sandy loam, brown (10YR 4/3) moist; weak fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine, common fine, common medium, and common coarse roots; common very fine interstitial and tubular pores; 65 percent gravel and 10 percent cobbles; slightly acid; clear wavy boundary.

C—66 to 152 centimeters; pale brown (10YR 6/3) extremely gravelly loamy sand, brown (10YR 4/3) moist; massive; soft, very friable, nonsticky and nonplastic; few very fine, common fine, and common medium roots; common very fine interstitial and common fine tubular pores; 70 percent gravel and 10 percent cobbles; slightly acid.

Type location: Alpine County, California; in the Toiyabe National Forest, about 1 mile southwest of Pickett Peak; approximately 4,100 feet north and 2,275 feet west of the southeast corner of sec. 5, T. 10 N., R. 19 E.; 38 degrees 44 minutes 46.1 seconds north latitude and 119 degrees 54 minutes 46.7 seconds west longitude; NAD27; USGS quadrangle: Carson Pass, California.

Range in characteristics

These soils are usually moist in the moisture control section during late fall and during winter and spring and are dry from mid-July through September. They are dry for 60 to 80 consecutive days in the 4 months following the summer solstice. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 7 to 8 degrees C
Mean summer soil temperature: 15 to 17 degrees C
Thickness of the umbric epipedon: 25 to 50 centimeters.
Depth to the base of the cambic horizon: 60 to 100 centimeters.

Particle-size control section:
Content of clay—averages 8 to 15 percent
Content of rock fragments—averages 60 to 80 percent, mainly gravel
Lithology of the rock fragments—granitic rocks, such as granodiorite; volcanic rocks, such as andesite; and minor metamorphic rocks, such as quartzite

A horizons:
Value—4 or 5 dry, 2 or 3 moist
Chroma—2 or 3 dry or moist
Content of organic matter—2 to 4 percent
Reaction—slightly acid or neutral

Bw horizon:
Value—5 or 6 dry
Chroma—3 or 4 dry or moist
Texture of the fine-earth fraction—coarse sandy loam or sandy loam
Content of clay—8 to 15 percent
Content of rock fragments—50 to 80 percent
Reaction—slightly acid or neutral

C horizon:
Value—6 or 7 dry
Chroma—2 or 3 dry or moist
Texture of the fine-earth fraction—loamy sand or loamy coarse sand
Content of clay—3 to 10 percent
Content of rock fragments—50 to 80 percent
Reaction—slightly acid or neutral

Cagwin Series

The Cagwin series consists of moderately deep, somewhat excessively drained soils that formed in material weathered from granitic rocks. These soils are on mountain side slopes. Slopes range from 5 to 75 percent. The mean annual precipitation is about 1,016 millimeters, and the mean annual air temperature is about 5 degrees C.

Taxonomic classification: Mixed, frigid Dystric Xeropsamments

Typical pedon

Cagwin loamy coarse sand, in an area of woodland on a southwest-facing slope of 40 percent, under a cover of Jeffrey pine, white fir, and manzanita, at an elevation of 1,981 meters; in an area of Cagwin-Rock outcrop complex, 15 to 30 percent slopes, extremely stony.

When described on 8/8/1968, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

Oi—0 to 3 centimeters; pine litter and duff; abrupt smooth boundary.
A1—3 to 13 centimeters; dark grayish brown (10YR 4/2) loamy coarse sand, very dark brown (10YR 2/2) moist; massive; soft, very friable; common very fine and fine roots; many very fine and fine interstitial pores; strongly acid (pH 5.5); clear smooth boundary.
A2—13 to 23 centimeters; grayish brown (10YR 5/2) loamy coarse sand, very dark brown (10YR 2/2) moist; massive; soft, very friable; common very fine and fine and few medium and coarse roots; many very fine and fine interstitial pores; moderately acid (pH 5.7); clear wavy boundary.
AC—23 to 33 centimeters; grayish brown (10YR 5/2) loamy coarse sand, brown

(10YR 4/3) moist; massive; soft, very friable; common very fine and fine and few medium and coarse roots; many very fine and fine interstitial pores; moderately acid (pH 5.8); clear wavy boundary.

C—33 to 69 centimeters; pale brown (10YR 6/3) coarse sand, brown (10YR 4/3) moist; massive; soft, very friable; common very fine and few fine and medium roots; many very fine and fine interstitial pores; moderately acid (pH 5.9); clear smooth boundary.

Cr—69 to 150 centimeters; white (10YR 8/1) and gray (10YR 5/1), weathered bedrock; very few very fine roots; strongly acid (pH 5.5).

Type location: El Dorado County, California; about 0.8 mile east of a National Forest boundary on High Meadow Road; approximately 0.7 mile east and 0.2 mile north of the southwest corner of sec. 12, T. 12 N., R. 18 E.; Mount Diablo Base and Meridian.

Range in characteristics

The soil moisture control section (from 30 to 89 centimeters or to paralithic contact) is usually moist, but it is dry from mid-July to October 1 (75 days). The soils have a typic xeric moisture regime.

Mean annual soil temperature: 4.4 to 8.3 degrees C
Mean summer soil temperature: 10 to 15 degrees C in areas where the O horizon is less than 5 centimeters thick
Depth to paralithic contact: 50 to 100 centimeters from the mineral soil surface
Texture of the particle-size control section: Coarse sand, sand, loamy coarse sand, or loamy sand

These soils have an ochric epipedon with mollic colors in the upper 13 to 23 centimeters.

A horizon:
Hue—10YR
Value—4 to 6 dry, 2 or 3 moist
Chroma—2 or 3 dry or moist
Texture of the fine-earth fraction—loamy coarse sand or coarse sand
Reaction—slightly acid to strongly acid

C horizon:
Hue—10YR
Value—6 or 7 dry, 3 or 4 moist
Chroma—3 or 4 dry or moist
Texture of the fine-earth fraction—loamy coarse sand or coarse sand
Content of rock fragments—5 to 40 percent gravel
Reaction—slightly acid to strongly acid

Callat Series

The Callat series consists of moderately deep, well drained soils that formed in colluvium over glacial till derived from volcanic rocks. These soils are on mountains. Slopes range from 9 to 50 percent. The mean annual precipitation is about 1,295 millimeters, and the mean annual air temperature is about 5 degrees C.

Taxonomic classification: Loamy-skeletal, isotic Xeric Humicryepts

Typical pedon

Callat gravelly coarse sandy loam, on a southwest-facing (210-degree) slope of 12 percent, at an elevation of 2,533 meters, in an area of Callat gravelly coarse sandy loam, 9 to 30 percent slopes, very stony.

Colors are for dry soil unless otherwise indicated.

Oi—0 to 1 centimeter; slightly decomposed plant material; abrupt smooth boundary.
A1—1 to 10 centimeters; dark brown (10YR 3/3) gravelly coarse sandy loam, very dark brown (10YR 2/2) moist; weak fine granular structure; soft, very friable, nonsticky and nonplastic; many roots; many pores; 2 percent subangular stones, 3 percent subangular cobbles, and 25 percent subangular gravel; moderately acid (pH 6.0); clear smooth boundary.
A2—10 to 25 centimeters; dark grayish brown (10YR 4/2) very gravelly coarse sandy loam, very dark grayish brown (10YR 3/2) moist; weak fine granular structure; soft, very friable, nonsticky and nonplastic; many roots; many pores; 5 percent subangular cobbles, 5 percent subangular stones, and 30 percent subangular gravel; strongly acid (pH 5.4); clear smooth boundary.
AC—25 to 38 centimeters; brown (10YR 4/3) very stony coarse sandy loam, very dark grayish brown (10YR 3/2) moist; massive; soft, very friable, nonsticky and nonplastic; many roots; many pores; 10 percent subangular cobbles, 10 percent subangular stones, and 30 percent subangular gravel; strongly acid (pH 5.4); clear smooth boundary.
C—38 to 64 centimeters; pale brown (10YR 6/3) very stony coarse sandy loam, dark yellowish brown (10YR 4/4) moist; massive; soft, friable, nonsticky and nonplastic; many roots; many pores; 10 percent subangular cobbles, 10 percent subangular stones, and 30 percent subangular gravel; moderately acid (pH 5.8); abrupt wavy boundary.
Cd—64 to 150 centimeters; pale olive (5Y 6/3) extremely stony coarse sandy loam, olive (5Y 4/3) moist; massive; very hard, very firm, nonsticky and nonplastic; few fine roots in cracks; 10 percent subangular stones, 15 percent subangular cobbles, and 35 percent subangular gravel; moderately acid (pH 5.9).

Type location: El Dorado County, California; NW1/4 sec. 16, T. 12 N., R. 17 E.; 38 degrees 53 minutes 22 seconds north latitude and 120 degrees 6 minutes 32 seconds west longitude; NAD83; USGS quadrangle: Emerald Bay, California.

Range in characteristics

These soils are usually dry for 45 to 75 consecutive days in late summer and moist the rest of the year. They have a typic xeric moisture regime.

Percentage of the surface covered by rock fragments: 0 to 30 percent, mainly by gravel and cobbles
Content of organic matter: As high as 10 percent in the surface layer and dropping to less than 1 in the C horizon
Reaction: Strongly acid to slightly acid
Base saturation: Averages less than 50 percent in the A horizons but may be higher in individual horizons; typically higher in the surface layer, dropping off lower in the profile, then jumping back up in the less weathered Cd horizon, which typically has a base saturation of 75 to 95 percent (by ammonium acetate)

Particle-size control section:
Content of rock fragments: 35 to 65 percent (20 to 35 percent gravel, 15 to 30 percent cobbles, and 0 to 5 percent stones)
Content of clay—averages 0.5 to 10 percent
Mineralogy—isotic

A horizons:
Hue—10YR
Value—3 to 5 dry, 2 or 3 moist
Chroma—2 or 3 dry or moist
Texture of the fine-earth fraction—coarse sandy loam or sandy loam

Content of rock fragments—23 to 50 percent (20 to 35 percent gravel, 1 to 15 percent cobbles, and 0 to 5 percent stones)

C horizon(s):
Hue—10YR or 2.5Y
Value—4 to 6 dry, 3 to 6 moist
Chroma—3 or 4 dry or moist
Texture of the fine-earth fraction—coarse sandy loam
Content of rock fragments—35 to 65 percent (20 to 35 percent gravel, 5 to 30 percent cobbles, and 5 to 15 percent stones)

Cd horizon(s):
Hue—5Y, 2.5Y, or 10YR
Value—4 to 6 dry, 4 moist
Chroma—3 or 4 dry or moist
Texture of the fine-earth fraction—coarse sandy loam
Content of rock fragments—40 to 80 percent (25 to 45 percent gravel, 10 to 35 percent cobbles, and 5 to 15 percent stones)

Cassenai Series

The Cassenai series consists of very deep, somewhat excessively drained soils that formed in colluvium over residuum weathered from granodiorite. These soils are on side slopes in the mountains. Slopes range from 5 to 70 percent. The mean annual precipitation is about 1,000 millimeters, and the mean annual air temperature is about 6 degrees C.

Taxonomic classification: Mixed, frigid Dystric Xeropsamments

Typical pedon

Cassenai gravelly loamy sand, on a northwest-facing (290-degree) slope of 26 percent, at an elevation of 1, 956 meters, in an area of Cassenai gravelly loamy coarse sand, 15 to 30 percent slopes, very stony.

When described on 6/03/2004, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

Oi—0 to 2 centimeters; slightly decomposed pine needles.
A1—2 to 7 centimeters; brown (10YR 4/3) gravelly loamy coarse sand, very dark grayish brown (10YR 3/2) moist; 85 percent sand; 14 percent silt; 1 percent clay; weak very fine granular structure; soft, very friable, nonsticky and nonplastic; many very fine roots throughout; many very fine interstitial pores; 20 percent gravel; slightly acid (pH 6.2); abrupt smooth boundary.
A2—7 to 16 centimeters; grayish brown (10YR 5/2) loamy coarse sand, very dark grayish brown (10YR 3/2) moist; 85 percent sand; 14 percent silt; 1 percent clay; moderate medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine roots throughout; many very fine interstitial pores; 12 percent gravel; slightly acid (pH 6.2); abrupt smooth boundary.
Bw1—16 to 34 centimeters; pale brown (10YR 6/3) loamy coarse sand, yellowish brown (10YR 5/4) moist; 85 percent sand; 12 percent silt; 3 percent clay; moderate medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine, fine, medium, and coarse roots throughout; many very fine interstitial pores; 12 percent gravel; slightly acid (pH 6.2); gradual smooth boundary.
Bw2—34 to 59 centimeters; pale brown (10YR 6/3) gravelly loamy coarse sand, brown (10YR 5/3) moist; 85 percent sand; 12 percent silt; 3 percent clay; weak

medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common fine, medium, and very coarse and many coarse roots throughout; many very fine interstitial pores; 20 percent gravel; slightly acid (pH 6.4); gradual smooth boundary.

Bw3—59 to 110 centimeters; light gray (10YR 7/2) gravelly loamy coarse sand, dark yellowish brown (10YR 4/4) moist; 85 percent sand; 12 percent silt; 3 percent clay; weak medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine, fine, medium, and coarse roots throughout; many very fine interstitial pores; 30 percent gravel; slightly acid (pH 6.2); gradual smooth boundary.

C—110 to 200 centimeters; very pale brown (10YR 7/3) gravelly loamy coarse sand, dark yellowish brown (10YR 4/4) moist; 85 percent sand; 12 percent silt; 3 percent clay; massive; soft, very friable, nonsticky and nonplastic; common very fine, fine, and medium roots throughout; many very fine interstitial pores; 25 percent gravel; moderately acid (pH 6.0).

Type location: Douglas County, Nevada; 1,000 feet south and 2,000 feet west of the northeast corner of sec. 3, T. 13 N., R. 18 E.; 39 degrees 1 minute 23 seconds north latitude and 119 degrees 56 minutes 36 seconds west longitude; NAD83; USGS quadrangle: Glenbrook, Nevada.

Range in characteristics

These soils are usually dry for 45 to 75 consecutive days in late summer and moist the rest of the year. They have a typic xeric moisture regime.

Percentage of the surface covered by rock fragments: 0 to 5 percent by cobbles, stones, and boulders

Particle-size control section:

Content of rock fragments—15 to 35 percent, including 10 to 35 percent gravel (mainly 2 to 5 millimeters in size), 0 to 5 percent cobbles, 0 to 5 percent stones, and 0 to 5 percent boulders
Content of clay—averages 1 to 5 percent
Mineralogy—mixed

A horizons:

Hue—10YR
Value—4 or 5 dry, 3 or 4 moist
Chroma—2 to 4 dry, 2 or 3 moist
Texture of the fine-earth fraction—loamy coarse sand, loamy sand, or coarse sandy loam
Content of clay—0 to 5 percent
Content of rock fragments—5 to 35 percent
Content of organic matter—5 to 12 percent
Reaction—moderately acid to neutral

Bw horizons:

Hue—10YR
Value—5 to 7 dry, 4 or 5 moist
Chroma—2 to 4 dry, 3 or 4 moist
Texture of the fine-earth fraction—loamy coarse sand, loamy sand, or coarse sandy loam
Content of clay—0 to 5 percent
Content of rock fragments—15 to 35 percent
Content of organic matter—1 to 5 percent
Reaction—moderately acid to neutral

C horizon:
Hue—10YR
Value—6 or 7 dry, 4 or 5 moist
Chroma—2 to 4 dry, 3 to 5 moist
Texture of the fine-earth fraction—loamy sand, loamy coarse sand, or coarse sandy loam
Content of clay—0 to 5 percent
Content of rock fragments—15 to 35 percent
Content of organic matter—0 to 1 percent
Reaction—moderately acid to neutral

Caverock Series

The Caverock series consists of moderately deep, somewhat excessively drained soils that formed in colluvium over residuum weathered from latite. These soils are on the side slopes of hills. Slopes range from 9 to 50 percent. The mean annual precipitation is about 686 millimeters, and the mean annual air temperature is about 6 degrees C.

Taxonomic classification: Coarse-loamy, isotic, frigid Humic Dystroxerepts

Typical pedon

Caverock sandy loam, on a north-facing (360-degree) slope of 11 percent, at an elevation of 2,273 meters, in an area of Caverock sandy loam, 9 to 50 percent slopes.

When described on 7/15/2004, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

Oi—0 to 2 centimeters; slightly decomposed plant material.
Oe—2 to 5 centimeters; moderately decomposed plant material.
A—5 to 10 centimeters; grayish brown (10YR 5/2) sandy loam, very dark brown (10YR 2/2) moist; 5 percent clay; weak fine and very fine granular structure; soft, very friable, nonsticky and nonplastic; few fine and common very fine roots throughout; many fine and very fine irregular pores; 10 percent gravel; slightly acid (pH 6.2) by bromthymol blue; clear smooth boundary.
BA—10 to 27 centimeters; brown (10YR 5/3) sandy loam, dark brown (10YR 3/3) moist; 7 percent clay; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine, fine, and medium roots throughout; many very fine and fine irregular pores; 10 percent gravel; slightly acid (pH 6.2) by bromthymol blue; gradual smooth boundary.
Bw1—27 to 47 centimeters; brown (10YR 5/3) cobbly sandy loam, brown (10YR 4/3) moist; 10 percent clay; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine, fine, medium, and coarse roots throughout; many very fine and fine irregular pores; 5 percent gravel, 5 percent stones, and 10 percent cobbles; slightly acid (pH 6.5) by bromthymol blue; gradual smooth boundary.
Bw2—47 to 67 centimeters; brown (10YR 5/3) sandy loam, light brownish gray (10YR 6/2) moist; 12 percent clay; weak coarse and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine, fine, and medium and few coarse roots throughout; many very fine and fine irregular pores; 10 percent gravel; slightly acid (pH 6.5) by bromthymol blue; abrupt wavy boundary.

Cr—67 to 150 centimeters; moderately cemented latite bedrock; few fine and medium roots in cracks more than 10 centimeters apart; neutral (pH 7.0) by bromthymol blue.

Type location: Douglas County, Nevada; on the ridge south of Captain Pomin Rock; 1,715 feet south and 978 feet west of the northeast corner of sec. 11, T. 14 N., R. 18 E.; 39 degrees 5 minutes 37 seconds north latitude and 119 degrees 55 minutes 15 seconds west longitude; NAD83; USGS quadrangle: Glenbrook, Nevada.

Range in characteristics

These soils are usually moist in the moisture control section during late fall and during winter and spring and are dry from mid-July to early October. They are dry for 60 to 80 consecutive days in the 4 months following the summer solstice. The soils have a typic xeric moisture regime.

Depth to paralithic contact: 50 to 100 centimeters from the mineral soil surface
Percentage of the surface covered by rock fragments: 0 to 5 percent (0 to 5 percent by cobbles and 0 to 5 percent by stones)
Content of organic matter: As high as 8 percent in the surface layer and dropping to less than 1 percent in the lower part of the Bw horizon
Reaction: Moderately acid to neutral
Base saturation: 35 to 60 percent (by ammonium acetate)

Particle-size control section:
- Content of rock fragments—5 to 25 percent (2 to 20 percent gravel, 0 to 15 percent cobbles, and 0 to 10 percent stones)
- Content of clay—averages 5 to 18 percent
- Mineralogy—isotic

A horizon:
- Hue—10YR
- Value—4 or 5 dry, 2 or 3 moist
- Chroma—2 or 3 dry or moist
- Texture of the fine-earth fraction—coarse sandy loam or sandy loam
- Content of clay—5 to 18 percent
- Content of rock fragments—5 to 15 percent (2 to 20 percent gravel and 0 to 10 percent cobbles)
- Reaction—moderately acid to neutral

BA horizon:
- Hue—10YR
- Value—4 or 5 dry, 2 or 3 moist
- Chroma—2 or 3 dry or moist
- Texture of the fine-earth fraction—coarse sandy loam or sandy loam
- Content of clay—5 to 18 percent
- Content of rock fragments—5 to 20 percent (2 to 20 percent gravel and 0 to 10 percent cobbles)
- Reaction—moderately acid to neutral

Bw horizons:
- Hue—10YR
- Value—4 to 6 dry, 3 to 6 moist
- Chroma—3 or 4 dry, 2 to 4 moist
- Texture of the fine-earth fraction—sandy loam
- Content of clay—5 to 18 percent
- Content of rock fragments—5 to 35 percent (2 to 20 percent gravel, 0 to 15 percent cobbles, and 0 to 10 percent stones)

Reaction—moderately acid to neutral

Celio Series

The Celio series consists of deep, somewhat poorly drained soils that formed in glacial outwash. These soils are on outwash terraces. Slopes range from 0 to 9 percent. The mean annual precipitation is about 890 millimeters, and the mean annual air temperature is 6 degrees c.

Taxonomic classification: Sandy-skeletal, mixed, frigid Oxyaquic Dystroxerepts

Typical pedon

Celio gravelly loamy coarse sand, on a slope of less than 1 percent, under a cover of lodgepole pine, juniper, squirreltail, and big sagebrush, at an elevation of 1,932 meters; in an area of Celio loamy coarse sand, 0 to 5 percent slopes.

When described on 10/25/1967, the soil was moist to a depth of 142 centimeters and near field capacity below that depth. Colors are for dry soil unless otherwise indicated.

A1—0 to 20 centimeters; brown (10YR 4/3) loamy coarse sand, very dark grayish brown (10YR 3/2) moist; weak medium granular structure; loose, very friable, nonsticky and nonplastic; many very fine, fine, medium, and coarse roots; many very fine interstitial pores; thin gravel pavement on the surface; hydrophobic; moderately acid (pH 6.0); diffuse wavy boundary.

A2—20 to 41 centimeters; brown (7.5YR 4/4) gravelly loamy coarse sand, dark reddish brown (5YR 3/3) moist; massive; soft, very friable, nonsticky and nonplastic; many very fine, fine, medium, and coarse roots; many very fine interstitial pores; 20 percent gravel and 10 percent cobbles; moderately acid (pH 6.0); diffuse wavy boundary.

BA—41 to 58 centimeters; strong brown (7.5YR 5/8) gravelly loamy coarse sand, dark reddish brown (5YR 3/4) moist; massive; soft, very friable, nonsticky and nonplastic; many very fine and fine and common medium roots; many very fine and fine interstitial pores; 20 percent gravel and 10 percent cobbles; slightly acid (pH 6.2); clear wavy boundary.

2Bw—58 to 114 centimeters; variegated reddish yellow (7.5YR 6/8) and strong brown (7.5YR 5/6) extremely gravelly coarse sand, variegated brownish yellow (10YR 6/6) and yellowish brown (10YR 5/6) moist; single grained; loose; many very fine roots; many very fine interstitial pores; many large prominent dark brown (10YR 3/3) redoximorphic concentrations; 60 percent gravel and 10 percent cobbles; slightly acid (pH 6.4); clear wavy boundary.

2Bqm—114 to 142 centimeters; variegated reddish yellow (7.5YR 6/8) and strong brown (7.5YR 5/8), strongly cemented material, reddish yellow (7.5YR 6/6) moist; massive, extremely hard, very firm; roots matted on the surface; common very fine pores; many medium prominent yellowish red (5YR 5/6) redoximorphic concentrations, dark reddish brown (2.5YR 3/4) moist; 60 percent gravel and 10 percent cobbles; slightly acid (pH 6.4); abrupt wavy boundary.

2Bg1—142 to 170 centimeters; white (N 8/, 10YR 8/1) extremely gravelly coarse sand, light gray (10YR 7/2) moist; single grained; loose; many very fine interstitial pores; few fine prominent redoximorphic concentrations, yellowish brown (10YR 5/6) moist; 60 percent gravel and 2 percent cobbles; slightly acid (pH 6.5); abrupt wavy boundary.

2Bg2—170 to 203 centimeters; white (N 8/, 10YR 8/1) coarse sand, light gray (N 7/) moist; thin horizontal black (N 2/ dry and moist) bands; single grained; loose;

many very fine interstitial pores; horizon becoming very gravelly with increasing depth; neutral (pH 6.6).

Type location: El Dorado County, California, Lake Tahoe; 0.25 mile west of Meyers checking station, west side of Highway 89 extension; 0.1 mile north of the southeast corner of sec. 30, T. 12 N., R. 18 E.; Mount Diablo Base and Meridian; 38 degrees 51 minutes 8 seconds north latitude and 120 degrees 1 minute 22 seconds west longitude; NAD27; USGS quadrangle: Echo Lake, California.

Range in characteristics

Because of moisture movement above the cemented layer, these soils are never dry in all horizons between depths of 30 and 89 centimeters for as much as 45 to 60 consecutive days.

Mean annual soil temperature: 5 to 8 degrees C
Mean summer soil temperature: 13 to 15 degrees C
Depth to the silica-cemented horizon: 100 to 150 centimeters
Depth to redoximorphic features: 53 to 76 centimeters
Thickness of the O horizon (where present): 3 to 8 centimeters

A horizon:
- Hue—10YR, 7.5YR, or 5YR
- Value—3 to 5 dry, 3 moist
- Chroma—2 to 4 dry, 2 or 3 moist
- Content of organic matter—2 to 8 percent
- Texture of the fine-earth fraction—loamy coarse sand, loamy sand, or coarse sandy loam
- Content of rock fragments—15 to 40 percent gravel and/or cobbles
- Reaction—slightly acid or moderately acid

BA horizon:
- Hue—10YR or 7.5YR
- Value—5 or 6 dry or moist
- Chroma—3 to 8 dry or moist
- Texture of the fine-earth fraction—coarse sand, loamy coarse sand, or loamy sand
- Content of rock fragments—35 to 70 percent gravel and/or cobbles
- Reaction—moderately acid to neutral

2Bqm horizon:
- Hue—10YR or 7.5YR
- Value—4 to 6 moist or dry
- Chroma—4 to 8 moist or dry
- Cementation—weakly cemented to strongly cemented with silica; very firm or extremely firm in place but ruptures under pressure

2Bg horizons:
- Hue—10YR or N moist or dry
- Value—7 or 8 moist or dry
- Chroma (where it occurs)—1 or 2 moist or dry
- Texture—strata of coarse sand or gravel

Christopher Series

The Christopher series consists of very deep, somewhat excessively drained soils that formed in glacial outwash derived from granodiorite (fig. 27). These soils are on glacial outwash terraces in the Lake Tahoe Basin. Slopes range from 0 to 30 percent.

Figure 27.—Typical profile of a Christopher soil.

The mean annual precipitation is about 660 millimeters, and the mean annual air temperature is about 5 degrees C.

Taxonomic classification: Mixed, frigid Dystric Xeropsamments

Typical pedon

Christopher loamy coarse sand, on a southeast-facing (136-degree) slope of 3 percent, at an elevation of 1,981 meters, in an area of Christopher loamy coarse sand, 0 to 9 percent slopes.

When described on 8/09/2002, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

Oi—0 to 3 centimeters; pine litter.
A—3 to 20 centimeters; brown (10YR 5/3) loamy coarse sand, very dark grayish brown (10YR 3/2) moist; 85 percent sand; 14 percent silt; 1 percent clay; weak fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; few very fine, fine, and medium roots throughout; many very fine interstitial pores; 9 percent gravel; moderately acid (pH 6.0); abrupt smooth boundary.
Bw1—20 to 66 centimeters; yellowish brown (10YR 5/4) loamy coarse sand, brown (10YR 4/3) moist; 85 percent sand; 14 percent silt; 1 percent clay; weak fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; few fine and common medium and very coarse roots throughout; many very fine interstitial pores; 2 percent cobbles and 6 percent gravel; moderately acid (pH 5.7); clear smooth boundary.
Bw2—66 to 107 centimeters; yellowish brown (10YR 5/4) loamy coarse sand, dark yellowish brown (10YR 4/4) moist; 80 percent sand; 17 percent silt; 3 percent clay; moderate medium subangular blocky structure; slightly hard, friable, nonsticky and nonplastic; few fine and medium roots throughout; many very fine interstitial pores; 2 percent cobbles and 7 percent gravel; moderately acid (pH 5.9); clear wavy boundary.
Bw3—107 to 155 centimeters; yellowish brown (10YR 5/4) loamy coarse sand, dark yellowish brown (10YR 4/4) moist; 80 percent sand; 18 percent silt; 2 percent clay; moderate fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; few very fine, fine, and very coarse roots throughout; many very fine interstitial pores; 9 percent gravel and 5 percent paracobbles; slightly acid (pH 6.1).

Type location: El Dorado County, California; 2,418 feet south and 1,849 feet west of the northeast corner of sec. 21, T. 12 N., R. 18 E.; 38 degrees 52,minutes 28.97 seconds north latitude and 119 degrees 59 minutes 37.41 seconds west longitude; NAD83; USGS quadrangle: South Lake Tahoe, California and Nevada.

Range in characteristics

These soils are usually moist between depths of about 30 and 89 centimeters but are dry in all parts from late June until mid-October. They have a typic xeric moisture regime

Mean annual soil temperature: 5 to 8 degrees C

Particle-size control section:
- *Reaction—s*trongly acid to slightly acid
- Content of rock fragments—1 to 15 percent (2 to 15 percent gravel and 0 to 10 percent cobbles and paracobbles); a higher content in some individual horizons
- Content of clay—averages 0 to 7 percent
- Mineralogy—mixed

A horizon(s):
- Hue—10YR
- Value—4 or 5 dry, 3 or 4 moist
- Chroma—3 or 4 dry, 2 or 3 moist
- Content of organic matter—1 to 5 percent
- Texture of the fine-earth fraction—loamy coarse sand or loamy sand
- Content of clay—0 to 5 percent
- Content of rock fragments—1 to 30 percent (0 to 5 percent cobbles and 1 to 10 percent gravel)

Bw horizons:
Hue—10YR
Value—4 to 6 dry, 4 or 5 moist
Chroma—3 or 4 dry or moist
Content of organic matter—0.25 to 1.25 percent
Texture of the fine-earth fraction—loamy coarse sand or loamy sand
Content of clay—0 to 7 percent
Content of rock fragments—1 to 30 percent (0 to 10 percent cobbles and 1 to 10 percent gravel)

C horizon (where present):
Hue—10YR
Value—4 to 6 dry, 4 or 5 moist
Chroma—3 or 4 dry or moist
Content of organic matter—0.25 to 1 percent
Texture of the fine-earth fraction—loamy coarse sand
Content of clay—1 to 5 percent
Content of rock fragments—10 to 55 percent

Dagget Series

The Dagget series consists of deep, excessively drained soils that formed in colluvium over residuum derived from granodiorite over grus. These soils are on mountain flanks. Slopes range from 5 to 70 percent. The mean annual precipitation is about 965 millimeters, and the mean annual air temperature is about 5 degrees C.

Taxonomic classification: Sandy-skeletal, mixed Typic Cryorthents

Typical pedon

Dagget very gravelly loamy coarse sand, on a northwest-facing (295-degree) slope of 35 percent, at an elevation of 2,560 meters, in an area of Dagget very gravelly loamy coarse sand, 15 to 30 percent slopes, extremely bouldery.

When described on 11/18/1969, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

Oi—0 to 3 centimeters slightly decomposed plant material
A—3 to 23 centimeters; grayish brown (10YR 5/2) very gravelly loamy coarse sand, very dark grayish brown (10YR 3/2) moist; weak fine granular structure; soft, friable, nonsticky and nonplastic; many fine and very fine and few medium, coarse, and very coarse roots; many fine and very fine interstitial pores; 12 percent granodiorite cobbles, stones, and boulders and 31 percent granodiorite gravel; moderately acid (pH 6.0) by Hellige-Truog; abrupt wavy boundary.
C—23 to 125 centimeters; light brownish gray (10YR 6/2) very gravelly loamy coarse sand, dark grayish brown (10YR 4/2) moist; massive; soft, friable, nonsticky and nonplastic; common fine and very fine and few medium, coarse, and very coarse roots; many fine and very fine and few medium and coarse interstitial pores; 12 percent granodiorite cobbles, stones, and boulders and 35 percent granodiorite gravel; moderately acid (pH 6.0) by Hellige-Truog; abrupt wavy boundary.
Cr—125 to 181 centimeters; moderately cemented granodiorite bedrock.

Type location: Douglas County, Nevada; about 1 mile south of Genoa Peak; 1,000 feet east and 500 feet north of the southwest corner of sec. 31, T. 14 N., R. 19 E.; 39 degrees 1 minute 38 seconds north latitude and 119 degrees 53 minutes 43 seconds west longitude; NAD83; USGS quadrangle: Glenbrook, Nevada.

Range in characteristics

These soils are usually moist in the moisture control section during late fall and during winter and spring and are dry from mid-July to early October. They are dry for 60 to 80 consecutive days in the 4 months following the summer solstice. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 2 to 5 degrees C
Depth to paralithic contact: 100 to 150 centimeters
Content of organic matter: 1 to 8 percent
Reaction: Moderately acid or slightly acid
Base saturation: 40 to 80 percent (by ammonium acetate)
Percentage of the surface covered by rock fragments: 20 to 60 percent (10 to 40 percent by gravel, 2 to 20 percent by cobbles, 2 to 20 percent by stones, and 2 to 20 percent by boulders)

Particle-size control section:
- Content of rock fragments—35 to 75 percent (20 to 40 percent gravel, 5 to 20 percent cobbles, 5 to 20 percent stones, and 5 to 20 percent boulders)
- Content of clay—averages 1 to 5 percent
- Mineralogy—mixed

A horizon(s):
- Hue—10YR
- Value—4 or 5 dry, 3 to 5 moist
- Chroma—2 to 6 dry, 2 to 4 moist
- Note—horizons more than 25 centimeters thick have value of more than 3 moist or 5 dry or chroma of more than 3 moist.
- Texture of the fine-earth fraction—loamy coarse sand, coarse sand, or sand
- Content of rock fragments—35 to 70 percent (20 to 40 percent gravel and 10 to 30 percent cobbles, stones, and boulders)
- Reaction—pH of 5.6 to 6.5

C horizon(s):
- Hue—10YR
- Value—5 or 6 dry, 4 or 5 moist
- Chroma—2 to 6 dry, 2 to 4 moist
- Texture of the fine-earth fraction—loamy coarse sand, coarse sand, or sand
- Content of rock fragments—35 to 70 percent (20 to 40 percent gravel and 10 to 30 percent cobbles, stones, and boulders)
- Reaction—pH of 5.6 to 6.5

Deerhill Series

The Deerhill series consists of very deep, well drained soils that formed in colluvium over residuum weathered from metamorphic rocks (fig. 28). These soils are on mountain flanks and hillsides. Slopes range from 9 to 50 percent. The mean annual precipitation is about 686 millimeters, and the mean annual air temperature is about 6 degrees C.

Taxonomic classification: Fine-loamy, isotic, frigid Ultic Palexeralfs

Typical pedon

Deerhill gravelly fine sandy loam, on a southwest-facing (230-degree) slope of 37 percent, at an elevation of 2,191 meters, in an area of Deerhill fine sandy loam, 9 to 30 percent slopes, very stony.

Figure 28.—Typical profile of a Deerhill soil.

When described on 6/08/2004, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

Oi—0 to 3 centimeters; slightly decomposed plant material; abrupt smooth boundary.
A1—3 to 12 centimeters; brown (10YR 4/3) gravelly fine sandy loam, very dark brown (10YR 2/2) moist; weak very fine granular structure; loose, very friable, nonsticky and nonplastic; common very fine, fine, medium, and coarse roots throughout; common fine interstitial pores; 15 percent gravel; slightly acid (pH 6.6); clear smooth boundary.
A2—12 to 24 centimeters; brown (10YR 4/3) fine sandy loam, very dark grayish brown (10YR 3/2) moist; weak very fine granular structure; loose, very friable, nonsticky and nonplastic; common very fine, fine, medium, coarse, and very coarse roots throughout; common fine interstitial pores; 7 percent gravel; slightly acid (pH 6.6); clear smooth boundary.
Bw1—24 to 51 centimeters; brown (10YR 4/3) gravelly fine sandy loam, dark brown (10YR 3/3) moist; weak fine and medium subangular blocky structure; slightly hard, friable, nonsticky and nonplastic; common very fine, fine, medium, coarse, and very coarse roots throughout; common fine interstitial pores; 15 percent gravel, 5 percent cobbles, and 1 percent stones; slightly acid (pH 6.6); clear wavy boundary.
Bw2—51 to 90 centimeters; dark yellowish brown (10YR 4/4) fine sandy loam, dark grayish brown (10YR 4/2) moist; weak medium and fine subangular blocky structure; slightly hard, friable, nonsticky and nonplastic; common very fine, fine, medium, coarse, and very coarse roots throughout; common fine interstitial pores; 8 percent gravel; slightly acid (pH 6.6); abrupt irregular boundary.
2Bt1—90 to 130 centimeters; yellowish brown (10YR 5/4) loam, brown (10YR 5/3) moist; fine distinct brown (7.5YR 4/4) mottles; moderate medium and fine subangular blocky structure; slightly hard, friable, moderately sticky and moderately plastic; common very fine, fine, medium, coarse, and very coarse roots throughout; few very fine tubular pores; 20 percent distinct clay films on all faces of peds; 1 percent gravel; moderately acid (pH 6.0); gradual smooth boundary.
2Bt2—130 to 166 centimeters; light yellowish brown (10YR 6/4) extremely paragravelly loam, yellowish brown (10YR 5/4) moist; common medium prominent red (2.5YR 4/6) mottles; moderate fine and medium subangular blocky structure; slightly hard, friable, moderately sticky and moderately plastic; common medium and coarse roots throughout; few very fine tubular pores; 10 percent faint clay films on all faces of peds; 75 percent paragravel; slightly acid (pH 6.2).

Type location: Douglas County, Nevada; east of Highway 28, about 970 meters north-northeast of Captain Pomin Rock; 640 meters east and 640 meters north of the southwest corner of sec. 2, T. 14 N., R. 18 E.; 39 degrees 6 minutes 14 seconds north latitude and 119 degrees 55 minutes 41 seconds west longitude; NAD83; USGS quadrangle: Glenbrook, Nevada.

Range in characteristics

These soils are usually moist between depths of 38 and 91 centimeters and are dry in all parts from early August until early October. They have a typic xeric moisture regime.

Mean annual soil temperature: 4 to 8 degrees C
Mean summer soil temperature: 11 to 13 degrees C
Percentage of the surface covered by rock fragments: 0 to 5 percent (0 to 5 percent by gravel, 0 to 5 percent by cobbles, and 0 to 5 percent by stones)
Reaction: Moderately acid to neutral
Base saturation: 35 to 75 percent (by ammonium acetate)

Particle-size control section:
- Content of rock fragments—mainly 1 to 25 percent (1 to 20 percent gravel, 0 to 8 percent cobbles, and 0 to 3 percent stones); 60 to 90 percent paragravel in the lower part of the 2Bt horizon
- Content of clay—averages 18 to 27 percent
- Mineralogy—isotic

A horizons:
- Hue—10YR
- Value—3 to 5 dry, 2 to 4 moist
- Chroma—3 or 4 dry, 2 to 4 moist
- Content of organic matter—3 to 8 percent
- Texture of the fine-earth fraction—fine sandy loam, sandy loam, or loam
- Content of clay—4 to 10 percent
- Content of rock fragments—5 to 20 percent (5 to 15 percent gravel, 0 to 5 percent cobbles, and 0 to 5 percent stones)
- Reaction—pH of 5.6 to 7.0

Bw horizons:
- Hue—10YR
- Value—4 or 5 dry, 3 to 5 moist
- Chroma—3 to 4 dry, 2 to 5 moist
- Content of organic matter—0.5 to 3 percent
- Texture of the fine-earth fraction—fine sandy loam, sandy loam, or loam
- Content of clay—7 to 13 percent
- Content of rock fragments—5 to 25 percent (5 to 15 percent gravel, 0 to 5 percent cobbles, and 0 to 5 percent stones)
- Reaction—pH of 5.6 to 7.0

2Bt horizons:
- Hue—10YR or 7.5YR
- Value—4 to 6 dry, 4 or 5 moist
- Chroma—3 or 4 dry or moist
- Content of organic matter—0.5 to 3 percent
- Texture of the fine-earth fraction—loam
- Content of clay—15 to 27 percent
- Content of rock fragments—0 to 10 percent paragravel in the upper part and 60 to 90 percent paragravel in the lower part
- Reaction—pH of 5.6 to 6.5

Ellispeak Series

The Ellispeak series consists of shallow, excessively drained soils that formed in colluvium derived from andesitic lahar. These are on the side slopes of ridges and mountains. Slopes range from 9 to 70 percent. The mean annual precipitation is about 1,778 millimeters, and the mean annual air temperature is about 5 degrees C.

Taxonomic classification: Loamy-skeletal, isotic, frigid Lithic Haploxerolls

Typical pedon

Ellispeak stony fine sandy loam, on a southwest-facing (205-degree) slope of 49 percent, at an elevation of 2,134 meters, in an area of Ellispeak-Rock outcrop complex, 30 to 50 percent slopes.

When described on 6/21/1999, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

A1—0 to 5 centimeters; grayish brown (10YR 5/2) stony fine sandy loam, very dark grayish brown (10YR 3/2) moist; moderate fine granular structure; soft, friable, nonsticky and nonplastic; common fine and very fine roots throughout; many very fine interstitial pores; 5 percent cobbles, 5 percent stones, and 15 percent gravel; moderately acid (pH 6.1) by pH meter 1:1 water; clear smooth boundary. (Laboratory sample number 00P2505)

A2—5 to 15 centimeters; brown (10YR 5/3) very cobbly sandy loam, dark brown (10YR 3/3) moist; massive; soft, very friable, nonsticky and nonplastic; many fine and very fine and common medium roots throughout; common very fine interstitial pores; 5 percent stones, 10 percent cobbles, and 20 percent gravel; moderately acid (pH 6.0) by pH meter 1:1 water; clear smooth boundary. (Laboratory sample number 00P2506)

Bw—15 to 30 centimeters; brown (10YR 5/3) extremely gravelly fine sandy loam, dark brown (10YR 3/3) moist; weak medium subangular blocky structure; slightly hard, friable, nonsticky and nonplastic; common fine and very fine roots throughout; 10 percent stones, 15 percent cobbles, and 50 percent gravel; slightly acid (pH 6.2) by pH meter 1:1 water; abrupt smooth boundary. (Laboratory sample number 00P2507)

R—30 centimeters; very strongly cemented andesitic lahar.

Type location: Placer County, California; on a hillside north of the road in Blackwood Canyon; 567 meters west and 274 meters north of the southeast corner of sec. 27, T. 14 N., R. 16 E.; 39 degrees 6 minutes 51 seconds north latitude and 120 degrees 11 minutes 49 seconds west longitude; NAD83; USGS quadrangle: Homewood, California.

Range in characteristics

These soils are usually dry for 45 to 75 consecutive days in late summer and moist the rest of the year. They have a typic xeric moisture regime.

Depth to lithic contact: 25 to 50 centimeters

Percentage of the surface covered by rock fragments: 15 to 40 percent (5 to 15 percent by gravel, 5 to 15 percent by cobbles, 2 to 10 percent by stones, and 2 to 10 percent by boulders)

Content of organic matter: 2 to 6 percent

Reaction: Moderately acid or slightly acid

Base saturation: 50 to 75 percent (by ammonium acetate)

Particle-size control section:

- Content of rock fragments—35 to 75 percent (10 to 60 percent gravel, 2 to 20 percent cobbles, and 2 to 15 percent stones)
- Content of clay—averages 8 to 18 percent
- Mineralogy—isotic

A horizons:

- Hue—10YR or 7.5YR
- Value—4 or 5 dry, 2 or 3 moist
- Chroma—2 or 3 dry or moist
- Texture of the fine-earth fraction—sandy loam or fine sandy loam
- Content of clay—8 to 18 percent
- Content of rock fragments—25 to 45 percent (10 to 20 percent gravel, 5 to 15 percent cobbles, and 2 to 10 percent stones)
- Reaction—pH of 5.6 to 6.5

Bw horizon:

- Hue—10YR or 7.5YR
- Value—4 or 5 dry, 2 or 3 moist

Chroma—2 or 3 dry or moist
Texture of the fine-earth fraction—sandy loam or fine sandy loam
Content of clay—8 to 18 percent
Content of rock fragments—35 to 80 percent (30 to 60 percent gravel, 10 to 20 percent cobbles, and 5 to 15 percent stones)
Reaction—pH of 5.6 to 6.5

Fishsnooze Series

The Fishsnooze series consists of moderately deep, well drained soils that formed in colluvium and residuum derived from andesite, tuff, and tuff breccia. These soils are on mountains. Slopes range from 8 to 50 percent. The mean annual precipitation is about 1,143 millimeters, and the mean annual air temperature is about 3 degrees C.

Taxonomic classification: Loamy-skeletal, isotic Xeric Humicryepts

Typical pedon

Fishsnooze very gravelly peaty coarse sandy loam, in a forested area of a Florand-Lostridge-Fishsnooze association.

The surface is covered by 5 centimeters of undecomposed forest duff. The percentage of the surface covered by rock fragments is as follows: 35 percent by gravel and 5 percent by cobbles. Colors are for dry soil unless otherwise indicated.

A1—0 to 3 centimeters; dark grayish brown (10YR 4/2) very gravelly peaty coarse sandy loam, very dark brown (10YR 2/2) moist; moderate medium platy structure; soft, very friable, slightly sticky and nonplastic; common very fine and fine roots; common fine interstitial pores; 35 percent gravel and 5 percent cobbles; very strongly acid; abrupt wavy boundary.
A2—3 to 23 centimeters; brown (10YR 5/3) very gravelly coarse sandy loam, dark brown (10YR 3/3) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine and fine and many medium and coarse roots; common very fine interstitial and tubular pores; 45 percent gravel; very strongly acid; clear wavy boundary.
A3—23 to 33 centimeters; brown (10YR 5/3) extremely gravelly coarse sandy loam, dark brown (10YR 3/3) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine and many medium and coarse roots; common very fine interstitial and tubular pores; 50 percent gravel and 15 percent cobbles; very strongly acid; clear wavy boundary.
Bw—33 to 89 centimeters; brown (10YR 5/3) extremely cobbly coarse sandy loam, dark yellowish brown (10YR 4/4) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine and many fine, medium, and coarse roots; common very fine interstitial and tubular pores; 45 percent gravel and 40 percent cobbles; strongly acid; clear wavy boundary.
R—89 centimeters; hard andesite.

Type location: Alpine County, California; in the Toiyabe National Forest, about 1.5 miles northwest of Lost Lakes; approximately 2,250 feet south and 150 feet east of the northwest corner of sec. 36, T. 10 N., R. 18 E.; 38 degrees 40 minutes 11.7 seconds north latitude and 119 degrees 57 minutes 39.0 seconds west longitude; NAD27; USGS quadrangle: Carson Pass, California.

Range in characteristics

These soils are usually moist in the moisture control section during late fall and during winter and spring and are dry from mid-July through September. They are dry

for 60 to 80 consecutive days in the 4 months following the summer solstice. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 4 to 7 degrees C
Mean summer soil temperature: 7 to 8 degrees C
Thickness of the umbric epipedon: 18 to 41 centimeters.
Depth to bedrock: 50 to 100 centimeters to lithic contact
Sodium fluoride pH: 10.0 to 11.5.

Particle-size control section:
- Content of clay—averages 12 to 18 percent
- Content of rock fragments—averages 60 to 80 percent, dominantly gravel and cobbles
- Lithology of the rock fragments—andesite, tuff, or tuff breccia

A1 horizon:
- Content of organic matter—generally 10 to 18 percent; less than 10 percent where the horizon is not peaty
- Reaction—very strongly acid or strongly acid

A2 and A3 horizons:
- Hue—10YR or 7.5YR
- Value—4 or 5 dry, 2 or 3 moist
- Chroma—2 or 3 dry or moist
- Texture of the fine-earth fraction—coarse sandy loam or sandy loam
- Content of organic matter—2 to 10 percent
- Reaction—very strongly acid or strongly acid

Bw horizon:
- Hue—10YR or 7.5YR
- Value—5 or 6 dry, 3 or 4 moist
- Chroma—3 or 4 dry or moist
- Texture of the fine-earth fraction—coarse sandy loam or sandy loam
- Content of clay—12 to 18 percent
- Content of rock fragments—60 to 85 percent
- Reaction—very strongly acid or strongly acid

Florand Series

The Florand series consists of deep, well drained soils that formed in colluvium over residuum derived from andesitic tuff and tuff breccia. These soils are on mountains. Slopes range from 15 to 50 percent. The mean annual precipitation is about 1,143 millimeters, and the mean annual air temperature is about 3 degrees C.

Taxonomic classification: Loamy-skeletal, isotic Xeric Humicryepts

Typical pedon

Florand very gravelly peaty sandy loam, in a forested area of a Florand-Lostridge-Fishsnooze association.

The surface is covered by 3 centimeters of undecomposed conifer duff. The percentage of the surface covered by rock fragments is as follows: 35 percent by gravel and 1 percent by stones. Colors are for dry soil unless otherwise indicated.

A1—0 to 3 centimeters; dark grayish brown (10YR 4/2) very gravelly peaty sandy loam, very dark brown (10YR 2/2) moist; moderate medium platy structure; soft, very friable, slightly sticky and nonplastic; common fine interstitial pores; 35 percent gravel and 1 percent stones; strongly acid; clear wavy boundary.

A2—3 to 10 centimeters; dark grayish brown (10YR 4/2) very gravelly sandy loam, very dark brown (10YR 2/2) moist; weak fine subangular blocky structure; soft, very friable, slightly sticky and slightly plastic; common very fine and fine roots; common very fine tubular and interstitial pores; 35 percent gravel; strongly acid; clear wavy boundary.
A3—10 to 30 centimeters; grayish brown (10YR 5/2) gravelly sandy loam, very dark grayish brown (10YR 3/2) moist; weak fine subangular blocky structure; soft, very friable, slightly sticky and slightly plastic; many very fine and fine roots; common very fine interstitial and tubular pores; 25 percent gravel; very strongly acid; clear wavy boundary.
A4—30 to 46 centimeters; brown (10YR 5/3) gravelly sandy loam, dark brown (10YR 3/3) moist; weak fine subangular blocky structure; soft, very friable, slightly sticky and slightly plastic; many very fine, fine, and medium roots; common very fine and fine interstitial and tubular pores; 25 percent gravel; moderately acid; clear wavy boundary.
Bw1—46 to 71 centimeters; dark yellowish brown (10YR 4/4) very gravelly sandy loam, dark yellowish brown (10YR 3/4) moist; massive; soft, very friable, slightly sticky and slightly plastic; many very fine, fine, and medium roots; common very fine and fine interstitial and tubular pores; 35 percent gravel; moderately acid; clear wavy boundary.
Bw2—71 to 97 centimeters; yellowish brown (10YR 5/4) very gravelly sandy loam, dark yellowish brown (10YR 3/4) moist; massive; soft, very friable, slightly sticky and slightly plastic; common very fine, fine, medium, and coarse roots; common very fine and fine interstitial and tubular pores; 35 percent gravel and 10 percent cobbles; moderately acid; clear wavy boundary.
2Bw3—97 to 119 centimeters; yellowish brown (10YR 5/4) gravelly sandy loam, dark yellowish brown (10YR 3/4) moist; massive; platy rock structure; soft, very friable, slightly sticky and slightly plastic; common fine and medium and few coarse roots; common very fine and fine interstitial and tubular pores; 15 percent gravel, 15 percent paragravel, and 5 percent cobbles; moderately acid; clear wavy boundary.
2Cr—119 centimeters; weathered and fractured tuff breccia.

Type location: Alpine County, California; in the Toiyabe National Forest, about 0.75 mile northeast of The Nipple peak; approximately 2,100 feet south and 450 feet west of the northeast corner of sec. 7, T. 9 N., R. 19 E.; 38 degrees 38 minutes 51.9 seconds north latitude and 119 degrees 55 minutes 29.0 seconds west longitude; NAD27; USGS quadrangle: Carson Pass, California.

Range in characteristics

These soils are usually moist in the moisture control section during late fall and during winter and spring and are dry from mid-July through September. They are dry for 60 to 80 consecutive days in the 4 months following the summer solstice. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 4 to 7 degrees C
Mean summer soil temperature: 7 to 8 degrees C
Thickness of the umbric epipedon: 25 to 50 centimeters.
Depth to the base of the cambic horizon: 89 to 114 centimeters.
Depth to bedrock: 100 to 150 centimeters to paralithic contact (contact with weathered andesitic tuff or tuff breccia)
Sodium fluoride pH: 9.5 to 11.5.

Particle-size control section:
Content of clay—averages 12 to 18 percent
Content of rock fragments—averages 35 to 50 percent, dominantly gravel

Lithology of the rock fragments—volcanic rocks, such as tuff, tuff breccia, and andesite

A1 horizon:

Content of organic matter—10 to 18 percent; less than 10 percent where the A1 horizon is not peaty

Reaction—strongly acid or moderately acid

A2, A3, and A4 horizons:

Value—4 or 5 dry, 2 or 3 moist

Chroma—2 or 3 dry or moist

Content of organic matter—2 to 10 percent

Reaction—very strongly acid to moderately acid

Other features—in some pedons, base saturation is more than 50 percent, by the ammonium acetate method, and the A horizons constitute a mollic epipedon rather than an umbric epipedon.

Bw horizons:

Value—4 to 6 dry, 3 or 4 moist

Texture of the fine-earth fraction—coarse sandy loam or sandy loam

Content of clay—12 to 20 percent

Content of rock fragments—35 to 50 percent

Content of pararock fragments—10 to 25 percent paragravel or parachanners in the lower subhorizons

Reaction—strongly acid or moderately acid

Freelpeak Series

The Freelpeak series consists of moderately deep, excessively drained soils that formed in colluvium over residuum derived from granodiorite. These soils are on the summits and shoulders of mountains. Slopes range from 30 to 75 percent. The mean annual precipitation is about 1,016 millimeters, and the mean annual air temperature is about 2 degrees C.

Taxonomic classification: Sandy-skeletal, mixed Typic Cryorthents

Typical pedon

Freelpeak gravel, on a north-facing (4-degree) slope of 50 percent, at an elevation of 3,231 meters, in an area of Freelpeak-Windyridge-Rock outcrop complex, 15 to 75 percent slopes.

When described on 9/19/2002, the soil was dry throughout. Colors are for dry soil unless otherwise noted. Rock fragments cover about 95 percent of soil surface (80 percent covered by gravel and 15 percent covered by cobbles).

C—0 to 4 centimeters; gravel; 50 percent 2- to 5-millimeter pebbles, 30 percent 5- to 75-millimeter pebbles, and 15 percent cobbles; abrupt smooth boundary.

2A—4 to 9 centimeters; brown (10YR 5/3) (crushed) extremely gravelly coarse sand, dark yellowish brown (10YR 3/4) crushed and moist; 90 percent sand; 10 percent silt; single grained; loose, nonsticky and nonplastic; common fine and common very fine roots throughout; many medium interstitial pores; 35 percent pebbles ranging from 2 to 5 millimeters in size, 35 percent pebbles ranging from 5 to 75 millimeters in size, 5 percent cobbles, and 5 percent stones; strongly acid (pH 5.4) by chlorophenol red; abrupt smooth boundary.

2Bw—9 to 21 centimeters; pale brown (10YR 6/3) (crushed) very gravelly sand, dark yellowish brown (10YR 3/4) crushed and moist; 92 percent sand; 8 percent silt; weak fine subangular blocky structure; soft, very friable, nonsticky and nonplastic;

common fine and common very fine roots throughout; many very fine interstitial pores; 15 percent pebbles ranging from 2 to 5 millimeters in size, 15 percent pebbles ranging from 5 to 75 millimeters in size and 5 percent cobbles; strongly acid (pH 5.4) by chlorophenol red; clear smooth boundary.

2C—21 to 91 centimeters; very pale brown (10YR 7/3) (crushed) very cobbly loamy fine sand, brown (10YR 5/3) crushed and moist; 85 percent sand; 14 percent silt; single grained; loose, nonsticky and nonplastic; few fine and few very fine roots throughout; many very fine interstitial pores; 8 percent pebbles ranging from 5 to 75 millimeters in size, 12 percent pebbles ranging from 2 to 5 millimeters in size, 12 percent cobbles, and 8 percent stones; strongly acid (pH 5.4) by chlorophenol red; abrupt wavy boundary.

3Cr—91 to 150 centimeters; moderately cemented granodiorite bedrock.

Type location: El Dorado County, California; on Freel Peak, 787.5 meters north and 44.5 meters east of the southwest corner of sec. 31, T. 12 N., R. 19 E.; 38 degrees 51 minutes 35 seconds north latitude and 119 degrees 53 minutes 58 seconds west longitude; NAD83; USGS quadrangle: Freel Peak, California.

Range in characteristics

These soils are usually moist in the moisture control section during late fall and during winter and spring and are dry from mid-July to early October. They are dry for 60 to 80 consecutive days in the 4 months following the summer solstice. The soils have a typic xeric moisture regime.

Percentage of the surface covered by rock fragments: 75 to 100 percent (25 to 75 percent by gravel, 15 to 50 percent by cobbles, 5 to 25 percent by stones, and 0 to 5 percent by boulders)

Depth to bedrock: 50 to 100 centimeters to paralithic contact

Reaction: Strongly acid or moderately acid

Particle-size control section:

- Content of rock fragments—35 to 75 percent (35 to 65 percent gravel, 5 to 15 percent cobbles, and 5 to 15 percent stones)
- Content of clay—averages 0 to 6 percent
- Mineralogy—mixed

C horizon:

- Content of rock fragments (occurring as a rock veneer)—80 to 100 percent (30 to 75 percent pebbles 2 to 5 millimeters in size, 20 to 50 percent pebbles 5 to 75 millimeters in size, 10 to 25 percent cobbles, and 0 to 5 percent stones

2A horizon:

- Hue—10YR
- Value—5 or 6 dry, 3 or 4 moist
- Chroma—3 or 4 dry or moist
- Content of organic matter—1 to 5 percent
- Texture of the fine-earth fraction—coarse sand, sand, or loamy coarse sand
- Content of clay—0 to 6 percent
- Content of rock fragments—35 to 80 percent (30 to 85 percent gravel, 1 to 20 percent cobbles, and 0 to 20 percent stones)
- Reaction—pH of 5.1 to 6.0

2Bw horizon:

- Hue—10YR
- Value—4 to 6 dry, 3 or 4 moist
- Chroma—3 or 4 dry or moist
- Content of organic matter—0.5 to 1 percent

Texture of the fine-earth fraction—coarse sand, sand, or loamy coarse sand
Content of clay—0 to 6 percent
Content of rock fragments—35 to 65 percent (25 to 60 percent gravel and 1 to 15 percent cobbles)
Reaction—pH of 5.1 to 6.0

2C horizon(s):
Hue—10YR
Value—7 dry, 5 moist
Chroma—3 dry, 3 moist
Content of organic matter—0.25 to 1 percent
Texture of the fine-earth fraction—coarse sand, loamy coarse sand, sand, or loamy fine sand
Content of clay—0 to 6 percent
Content of rock fragments—35 to 60 percent (20 to 35 percent gravel, 5 to 20 percent cobbles, and 3 to 15 percent stones)
Reaction—pH of 5.1 to 6.0

Gefo Series

The Gefo series consists of very deep, somewhat excessively drained soils that formed in glacial outwash derived mainly from granitic rocks (fig. 29). These soils are on outwash terraces and alluvial fans. Slopes range from 0 to 30 percent. The mean annual precipitation is 762 millimeters, and the mean annual air temperature is 6 degrees C.

Taxonomic classification: Sandy, mixed, frigid Humic Dystroxerepts

Typical pedon

Gefo gravelly loamy coarse sand, under a cover of Jeffrey pine, sagebrush, bitterbrush, and perennial grasses, in an area of Christopher-Gefo complex, 0 to 5 percent slopes.

Colors are for dry soil unless otherwise indicated.

A1—0 to 18 centimeters; brown (10YR 4/3) gravelly loamy coarse sand, very dark grayish brown (10YR 3/2) moist; weak fine and medium granular structure; soft, very friable; common very fine and few fine roots; many very fine and fine interstitial pores; moderately acid (pH 5.8); clear wavy boundary.
A2—18 to 38 centimeters; brown (10YR 5/3) gravelly loamy coarse sand, dark brown (10YR 3/3) moist; weak fine and medium granular structure; soft, very friable; few very fine and fine roots; many very fine and fine interstitial pores; moderately acid (pH 5.8); clear wavy boundary.
C1—38 to 91 centimeters; light yellowish brown (10YR 6/4) gravelly coarse sand, brown (10YR 4/3) moist; massive; soft, very friable; few very fine and fine roots; many very fine and fine interstitial pores; moderately acid (pH 6.0); gradual smooth boundary.
C2—91 to 165 centimeters; very pale brown (10YR 7/4) gravelly coarse sand, yellowish brown (10YR 5/4) moist; massive; soft, very friable; few fine roots; many very fine and fine interstitial pores; moderately acid (pH 6.0); gradual smooth boundary.
C3—165 to 191 centimeters; light gray (10YR 7/2) gravelly coarse sand, yellowish brown (10YR 5/4) moist; massive; soft, very friable; many very fine and fine interstitial pores; moderately acid (pH 6.0).

Figure 29.—Typical profile of a Gefo soil.

Type location: El Dorado County, California; 1 mile south of Al Tahoe; 213 meters west and 152 meters south of Rubicon and Brockway intersection, lot 13, sec. 4, T. 12 N., R. 18 E.; USGS quadrangle: Bijou, California and Nevada.

Range in characteristics

These soils are usually moist between depths of about 30 and 89 centimeters but are dry in all parts from late June until mid-October. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 7 to 8 degrees C at a depth of 50 centimeters
Mean summer soil temperature: About 17 degrees C
Reaction: Strongly acid to slightly acid throughout the profile, generally becoming more acid with increasing depth
Base saturation: About 5 to 15 percent, decreasing with increasing depth
Content of gravel: Averages 5 to 35 percent throughout the profile

A horizons:
Hue—10YR
Value—4 or 5 dry, 2 or 3 moist
Chroma—1 to 3 dry or moist
Texture of the fine-earth fraction—coarse sand, sand, loamy coarse sand, or loamy sand
Structure—dominantly weak or moderate granular structure; single grained at the surface in some pedons

C horizons:
Hue—10YR
Value—6 or 7 dry, 4 or 5 moist
Chroma—2 to 4 dry or moist
Texture of the fine-earth fraction—coarse sand, sand, or loamy sand

Genoapeak Series

The Genoapeak series consists of very deep, excessively drained soils that formed in colluvium over highly fractured trachyte bedrock (fig. 30). These soils are on hillslopes. Slopes range from 9 to 70 percent. The mean annual precipitation is about 700 millimeters, and the mean annual air temperature is about 6 degrees C.

Taxonomic classification: Fragmental, mixed, frigid Dystric Xerorthents

Typical pedon

Genoapeak extremely gravelly sandy loam, on a south-facing (180-degree) slope of 51 percent, at an elevation of 2,115 meters, in an area of Zephyrcove-Southcamp-Genoapeak complex, 30 to 70 percent slopes.

When described on 7/14/2004, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

Oi—0 to 4 centimeters; slightly decomposed plant material; abrupt smooth boundary.
A—4 to 10 centimeters; dark grayish brown (10YR 4/2) very gravelly sandy loam, very dark brown (10YR 2/2) moist; 2 percent clay; weak very fine granular structure; soft, very friable, nonsticky and nonplastic; common very fine roots throughout; many fine and very fine irregular pores; 50 percent gravel; slightly acid (pH 6.5) by bromthymol blue; abrupt smooth boundary.
Bw—10 to 19 centimeters; pale brown (10YR 6/3) very gravelly coarse sandy loam, brown (10YR 4/3) moist; 8 percent clay; weak fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; common fine and very fine and few medium roots throughout; many fine and very fine irregular pores; 15 percent cobbles and 40 percent gravel; slightly acid (pH 6.6) by bromthymol blue; gradual smooth boundary.
C1—19 to 40 centimeters; cobbles; structureless; common very fine, fine, medium, and coarse roots throughout; many fine, medium, and coarse irregular pores; 30 percent gravel and 60 percent cobbles; gradual wavy boundary.
C2—40 to 152 centimeters; cobbles; highly fractured bedrock with fractures less than 10 centimeters apart; few very fine, fine, and medium roots in cracks.

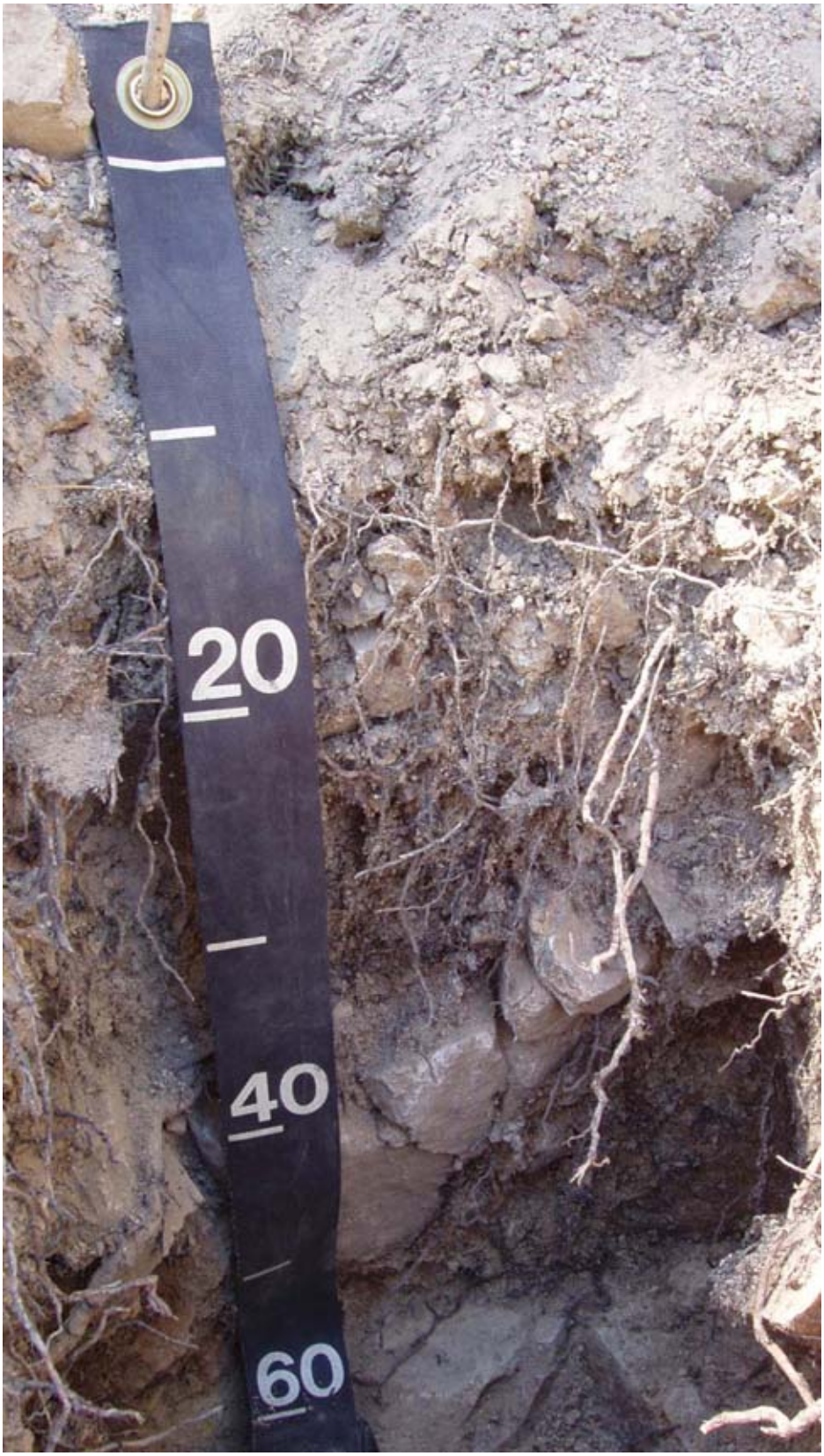


Figure 30.—Typical profile of a Genoapeak soil.

Type location: Douglas County, Nevada; about 0.44 mile south of Highway 50 on Forest Service Road 1451 and about 60 meters west of the road; 738 meters south and 323 meters east of the northwest corner of sec. 12, T. 14 N., R. 18 E.; 39 degrees 5 minutes 29 seconds north latitude and 119 degrees 54 minutes 50 seconds west longitude; NAD83; USGS quadrangle: Glenbrook, Nevada.

Range in characteristics

These soils are usually moist in the moisture control section during late fall and during winter and spring and are dry from mid-July to early October. They are dry for 60 to 80 consecutive days in the 4 months following the summer solstice. The soils have a typic xeric moisture regime.

Depth to highly fractured bedrock: 25 to 50 centimeters
Mean annual soil temperature: 17.2 degrees C at a depth of 41 centimeters
Percentage of the surface covered by rock fragments: 50 to 90 percent (2 to 10 percent by cobbles and 50 to 85 percent by gravel)
Reaction: Slightly acid or neutral

Particle-size control section:
- Content of rock fragments—90 to 100 percent
- Content of clay—averages 0 to 10 percent
- Mineralogy—mixed

A horizon:
- Hue—10YR
- Value—3 to 5 dry, 2 to 4 moist
- Chroma—2 to 4 dry or moist
- Content of organic matter—3 to 8 percent
- Texture of the fine-earth fraction—coarse sandy loam or sandy loam
- Content of clay—1 to 5 percent
- Content of rock fragments—35 to 60 percent (30 to 60 percent gravel, 0 to 10 percent cobbles, and 0 to 5 percent stones)
- Reaction—pH of 6.1 to 6.8

Bw horizon:
- Hue—10YR
- Value—5 or 6 dry, 4 or 5 moist
- Chroma—3 or 4 dry or moist
- Content of organic matter—1 to 3 percent
- Texture of the fine-earth fraction—coarse sandy loam or sandy loam
- Content of clay—3 to 10 percent
- Content of rock fragments—35 to 60 percent (20 to 50 percent gravel, 5 to 30 percent cobbles, and 0 to 10 percent stones)
- Reaction—pH of 6.1 to 6.8

C1 horizon:
- Hue—10YR
- Value—5 or 6 dry, 4 or 5 moist
- Chroma—3 or 4 dry or moist
- Content of organic matter—0 to 0.25 percent
- Texture of the fine-earth fraction—coarse sandy loam or sandy loam
- Content of clay—0 to 1 percent
- Content of rock fragments—90 to 100 percent (20 to 40 percent gravel, 50 to 80 percent cobbles, and 0 to 5 percent stones)
- Reaction—pH of 6.1 to 6.8

C2 horizon:
Bedrock fractures—less than 10 centimeters apart
Hue—10YR
Value—5 or 6 dry, 4 or 5 moist
Chroma—3 or 4 dry or moist
Content of organic matter—0 to 0.25 percent
Fine-earth fraction—making up less than 5 percent of the total volume of the horizon
Texture of the fine-earth fraction—coarse sandy loam or sandy loam
Content of clay—0 to 1 percent
Content of rock fragments—95 to 100 percent (20 to 40 percent gravel, 50 to 80 percent cobbles, and 0 to 5 percent stones)
Reaction—pH of 6.1 to 6.8

Glenalpine Series

The Glenalpine series consists of deep, excessively drained soils that formed in colluvium derived from volcanic and metamorphic rocks. These soils are on mountainsides and glacial valley walls. Slopes range from 50 to 90 percent. The mean annual precipitation is about 1,143 millimeters, and the mean annual air temperature is about 6 degrees C.

Taxonomic classification: Loamy-skeletal, isotic, frigid Humic Dystroxerepts

Typical pedon

Glenalpine very cobbly fine sandy loam, on a south-facing (173-degree) slope of 70 percent, at an elevation of 7,457 meters , in an area of Rubble land-Glenalpine complex, 50 to 90 percent slopes.

When described on 6/24/2002, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

A—0 to 29 centimeters; light olive brown (2.5Y 5/4) very cobbly fine sandy loam, dark olive brown (2.5Y 3/3) moist; moderate fine granular structure; soft, very friable, slightly sticky and nonplastic; common very fine, fine, and medium roots throughout; many very fine interstitial pores; 20 percent cobbles, 15 percent gravel, and 5 percent stones; neutral (pH 7.0) by bromthymol blue; clear irregular boundary.

Bw1—29 to 65 centimeters; light yellowish brown (2.5Y 6/4) extremely cobbly fine sandy loam, olive brown (2.5Y 4/4) moist; weak medium subangular blocky structure; soft, very friable, slightly sticky and nonplastic; common very fine, fine, medium, and coarse roots throughout; many very fine interstitial pores; 40 percent cobbles and 30 percent gravel; neutral (pH 7.0) by bromthymol blue; clear wavy boundary.

Bw2—65 to 102 centimeters; light yellowish brown (2.5Y 6/4) extremely cobbly fine sandy loam, olive brown (2.5Y 4/4) moist; weak medium subangular blocky structure; soft, very friable, slightly sticky and nonplastic; common medium and few very fine roots throughout; many very fine interstitial pores; 50 percent cobbles and 10 percent gravel; neutral (pH 6.8) by bromthymol blue; gradual smooth boundary.

C—102 to 128 centimeters; light yellowish brown (2.5Y 6/4) extremely cobbly fine sandy loam, light olive brown (2.5Y 5/4) moist; single grained; loose when dry, loose when moist, nonsticky and nonplastic when wet; common fine roots throughout; 50 percent cobbles and 10 percent gravel; neutral (pH 7.0) by bromthymol blue; abrupt smooth boundary.

Cd—128 to 150 centimeters; dense glacial till.

Type location: El Dorado County, California; 282 meters east and 463 meters north of the southwest corner of sec. 15, T. 12 N., R. 17 E.; 38 degrees 52 minutes 58 seconds north latitude and 120 degrees 5 minutes 25 seconds west longitude; NAD27; USGS quadrangle: Emerald Bay, California.

Range in characteristics

These soils are usually moist in the moisture control section during late fall and during winter and spring and are dry from mid-July to early October. They are dry for 60 to 80 consecutive days in the 4 months following the summer solstice. The soils have a typic xeric moisture regime.

Percentage of the surface covered by rock fragments: 50 to 90 percent (5 to 20 percent by stones, 15 to 45 percent by cobbles, and 15 to 45 percent by gravel)
Depth to dense glacial till: 100 to 150 centimeters
Reaction: Slightly acid or neutral
Base saturation: 35 to 60 percent (by ammonium acetate)

Particle-size control section:
- Content of rock fragments—50 to 80 percent (5 to 35 percent gravel, 35 to 60 percent cobbles, and 0 to 10 percent stones)
- Content of clay—averages 5 to 15 percent
- Mineralogy—isotic

A horizon(s):
- Hue—2.5Y or 10YR
- Value—4 or 5 dry, 2 or 3 moist
- Chroma—4 dry, 2 or 3 moist
- Content of organic matter—3 to 8 percent
- Texture of the fine-earth fraction—fine sandy loam
- Content of clay—5 to 15 percent
- Content of rock fragments—30 to 60 percent (10 to 30 percent gravel, 10 to 40 percent cobbles, and 0 to 15 percent stones)
- Reaction—slightly acid or neutral

Bw horizons:
- Hue—2.5Y or 10YR
- Value—5 or 6 dry, 4 or 5 moist
- Chroma—3 or 4 dry or moist
- Content of organic matter—1 to 5 percent
- Texture of the fine-earth fraction—fine sandy loam
- Content of clay—5 to 15 percent
- Content of rock fragments—50 to 80 percent (10 to 40 percent gravel and 30 to 60 percent cobbles)
- Reaction—slightly acid or neutral

C horizon(s):
- Hue—2.5Y or 10YR
- Value—5 or 6 dry, 4 or 5 moist
- Chroma—4 dry or moist
- Content of organic matter—0.5 to 2 percent
- Texture of the fine-earth fraction—fine sandy loam
- Content of clay—2 to 10 percent
- Content of rock fragments—50 to 80 percent (4 to 30 percent gravel and 30 to 60 percent cobbles)
- Reaction—slightly acid or neutral

Hawkinspeak Series

The Hawkinspeak series consists of moderately deep, well drained soils that formed in colluvium and residuum derived from tuff, tuff breccia, and andesite. These soils are on mountains. Slopes range from 15 to 50 percent. The mean annual precipitation is about 762 millimeters, and the mean annual air temperature is about 3 degrees C.

Taxonomic classification: Loamy-skeletal, mixed, superactive Pachic Argicryolls

Typical pedon

Hawkinspeak very gravelly sandy loam, in an area of rangeland in a Hawkpeak-Hawkinspeak association.

The percentage of the surface covered by rock fragments is as follows: 45 percent by gravel, 5 percent by cobbles, 3 percent by stones, and 1 percent by boulders. Colors are for dry soil unless otherwise indicated.

A1—0 to 8 centimeters; grayish brown (10YR 5/2) very gravelly sandy loam, very dark grayish brown (10YR 3/2) moist; weak fine and medium subangular blocky structure; soft, very friable, slightly sticky and nonplastic; common very fine roots; common very fine interstitial and tubular pores; 30 percent gravel, 5 percent cobbles, and 5 percent stones; slightly acid; clear wavy boundary.

A2—8 to 23 centimeters; brown (10YR 5/3) very gravelly sandy loam, dark brown (10YR 3/3) moist; weak fine and medium subangular blocky structure; soft, very friable, slightly sticky and slightly plastic; common very fine and common fine roots; common very fine interstitial and common very fine tubular pores; 45 percent gravel and 5 percent cobbles; slightly acid; clear wavy boundary.

Bt1—23 to 38 centimeters; brown (10YR 5/3) very gravelly sandy clay loam, dark brown (10YR 3/3) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, moderately sticky and slightly plastic; common very fine, common fine, and common medium roots; common very fine interstitial and tubular pores; few faint clay bridges on sand grains; 45 percent gravel and 5 percent cobbles; slightly acid; clear wavy boundary.

Bt2—38 to 84 centimeters; brown (10YR 5/3) very gravelly sandy clay loam, dark brown (10YR 3/3) moist; moderate fine and medium subangular blocky structure; slightly hard, very friable, moderately sticky and slightly plastic; common very fine, common fine, and common medium roots; common very fine interstitial and common tubular pores; common faint clay bridges on sand grains; 50 percent gravel and 5 percent cobbles; slightly acid; abrupt irregular boundary.

R—84 centimeters; fractured, hard tuff.

Type location: Alpine County, California; in the Toiyabe National Forest, southwest of Hawkins Peak; approximately 675 feet north and 2,450 feet west of the southeast corner of sec. 3, T. 10 N., R. 19 E.; 38 degrees 44 minutes 3.8 seconds north latitude and 119 degrees 52 minutes 31.5 seconds west longitude; NAD27; USGS quadrangle: Carson Pass, California.

Range in characteristics

These soils are usually moist in the moisture control section during late fall and during winter and spring and are dry from mid-July through September. They are dry for 60 to 80 consecutive days in the 4 months following the summer solstice. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 6 to 8 degrees C
Mean summer soil temperature: 10 to 12 degrees C

Mollic epipedon: 50 to 100 centimeters thick; includes the Bt1 horizon or both the Bt1 and Bt2 horizons in some pedons
Depth to bedrock: 50 to 100 centimeters to lithic contact
Sodium fluoride pH: 8.5 to 9.0.

Particle-size control section:
Content of clay—averages 18 to 27 percent
Content of rock fragments—averages 35 to 60 percent, mainly gravel
Lithology of the rock fragments—volcanic rocks, such as tuff, tuff breccia, and andesite

A horizons:
Value—4 or 5 dry, 2 or 3 moist
Chroma—2 or 3 dry or moist
Content of organic matter—2 to 5 percent
Reaction—slightly acid or neutral

Bt horizons:
Hue—10YR or 7.5YR
Value—5 or 6 dry, 3 or 4 moist
Chroma—3 or 4 dry or moist
Texture of the fine-earth fraction—sandy loam, loam, or sandy clay loam
Content of clay—18 to 27 percent
Content of rock fragments—35 to 60 percent
Reaction—slightly acid or neutral

Hellhole Series

The Hellhole series consists of very deep, very poorly drained soils that formed in mossy organic material. These soils are on fens in the mountains. Slopes are 0 to 2 percent. The mean annual precipitation is about 1,165 millimeters, and the mean annual air temperature is about 3 degrees C.

Taxonomic classification: Euic, frigid Typic Sphagnofibrists

Typical pedon

Hellhole peat, on a slope of 0 percent, at an elevation of 2,551 meters, in an area of Hellhole peat, 0 to 2 percent slopes.

When described on 7/02/2002, the soil was wet throughout. Colors are for moist soil unless otherwise indicated.

Oi1—0 to 29 centimeters; peat, very dark gray (10YR 3/1) rubbed, pressed, and moist; about 95 percent fiber, 80 percent rubbed; massive; nonplastic and nonsticky; primarily sphagnum fibers; strongly acid (pH 5.4) by chlorophenol red; gradual smooth boundary.
Oi2—29 to 150 centimeters; peat, very dark grayish brown (10YR 3/2) rubbed, pressed, and moist; about 95 percent fiber, 80 percent rubbed; massive; nonplastic and nonsticky; primarily sphagnum fibers; strongly acid (pH 5.4) by chlorophenol red; clear smooth boundary.
Oe—150 to 300 centimeters; mucky peat, very dark gray (10YR 3/1) rubbed, pressed, and moist; about 70 percent fiber, 60 percent rubbed; massive; nonplastic and nonsticky; primarily sphagnum fibers; strongly acid (pH 5.4) by chlorophenol red.

Type location: El Dorado County, California; 291 meters east and 363 meters north of the southwest corner of sec. 1, T. 11 N., R. 18 E.; 38 degrees 49 minutes 30

seconds north latitude and 119 degrees 56 minutes 44 seconds west longitude; NAD83; USGS quadrangle: Freel Peak, California.

Range in characteristics

These soils are wet in all of the soil moisture control section in most years. They have a typic aquic moisture regime.

Content of organic matter: 70 to 90 percent
Reaction: Strongly acid to slightly acid

Oi horizons:
Hue—10YR
Value—3 or 4 moist
Chroma—1 to 3 moist
In-lieu-of texture—peat
Reaction—strongly acid to slightly acid

Oe horizon:
Hue—10YR or 7.5YR
Value—3 or 4 moist
Chroma—1 to 4 moist
In-lieu-of texture—mucky peat
Reaction—strongly acid to slightly acid

Inville Series

The Inville series consists of very deep, well drained soils that formed in mixed alluvium and outwash. These soils are on alluvial fans, outwash terraces, and hillslopes. Slopes range from 2 to 30 percent. The mean annual precipitation is about 635 millimeters, and the mean annual air temperature is about 6 degrees C.

Taxonomic classification: Loamy-skeletal, isotic, frigid Ultic Haploxeralfs

Typical pedon

Inville gravelly coarse sandy loam, 2 to 9 percent slopes, stony, in a forested area.

Colors are for dry soil unless otherwise indicated.

Oi—0 to 5 centimeters; litter of conifer needles.
A1—5 to 8 centimeters; brown (10YR 4/3) gravelly coarse sandy loam, very dark brown (10YR 2/2) moist; moderate fine and medium granular structure; soft, very friable, nonsticky and nonplastic; few very fine roots; many very fine interstitial pores; 20 percent gravel; moderately acid (pH 6.0); abrupt smooth boundary.
A2—8 to 15 centimeters; brown (10YR 5/3) gravelly coarse sandy loam, dark brown (10YR 3/3) moist; weak medium subangular blocky and moderate fine granular structure; soft, very friable, nonsticky and nonplastic; common very fine, fine, and medium roots; many very fine interstitial and few very fine tubular pores; 20 percent gravel; moderately acid (pH 6.0); clear smooth boundary.
Bw—15 to 30 centimeters; brown (10YR 5/3) gravelly coarse sandy loam, variegated with about equal amounts of dark brown (10YR 3/3) and dark yellowish brown (10YR 3/4) moist; weak medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; many very fine, fine, medium, and coarse roots; many fine interstitial and common very fine tubular pores; few thin clay films in pores; 20 percent gravel; moderately acid (pH 6.0); clear wavy boundary.

Bt1—30 to 71 centimeters; reddish brown (5YR 5/3) extremely cobbly sandy loam, reddish brown (5YR 4/3) moist; weak medium subangular blocky structure; hard, very friable, slightly sticky and slightly plastic; many very fine, fine, medium, and coarse roots; many very fine interstitial and common very fine tubular pores; common thin clay films in pores and few thin clay films on faces of peds; 25 percent cobbles and 35 percent gravel; moderately acid (pH 6.0); clear wavy boundary.

Bt2—71 to 94 centimeters; brown (10YR 5/3) extremely cobbly sandy loam, brown (10YR 4/3) moist; clay coatings, dark yellowish brown (10YR 4/4) moist; weak medium and coarse subangular blocky structure; slightly hard, very friable, nonsticky and nonplastic; few very fine and fine and common medium roots; many very fine interstitial and few very fine tubular pores; few thin clay films coating and bridging sand grains; 35 percent gravel and 35 percent cobbles; moderately acid (pH 6.0); clear wavy boundary.

C—94 to 142 centimeters; extremely gravelly loamy coarse sand, brown (10YR 5/3) dry and moist; massive; soft, very friable, nonsticky and nonplastic; few very fine, fine, and medium roots; many fine and medium interstitial pores; 25 percent cobbles and 50 percent gravel; moderately acid (pH 6.0).

Type location: Washoe County, Nevada; in Incline Village; approximately 671 meters east and 671 meters south of the northwest corner of sec. 15, T. 16 N., R. 18 E.; Mount Diablo Base and Meridian; USGS quadrangle: Martis Peak, Nevada.

Range in characteristics

These soils are usually moist in the moisture control section during late fall and during winter and spring and are dry from mid-July to early October. They are dry for 60 to 80 consecutive days in the 4 months following the summer solstice. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 6 to 8 degrees C
Mean summer soil temperature: 15 to 18 degrees C
Reaction: Moderately acid or slightly acid
Content of rock fragments in the particle-size control section: 45 to 75 percent

A horizons:
Value—4 or 5 dry, 2 or 3 moist
Chroma—2 or 3 dry or moist

B horizons:
Hue—7.5YR, 5YR, or 10YR
Value—4 to 6 dry, 3 or 4 moist
Chroma—3 or 4 in the matrix, 4 to 6 on faces
Texture of the fine-earth fraction—sandy loam, coarse sandy loam, or loam

Jabu Series

The Jabu series consists of very deep, well drained soils that formed in outwash and alluvium derived from granitic sources. These soils are on glacial outwash terraces and moraines. Slopes range from 0 to 30 percent. The mean annual precipitation is about 760 millimeters, and the mean annual air temperature is about 5 degrees C.

Taxonomic classification: Coarse-loamy, mixed, superactive, frigid Ultic Haploxeralfs

Typical pedon

Jabu coarse sandy loam, 9 to 30 percent slopes, in a forested area.

Colors are for dry soil unless otherwise indicated.

Oi—0 to 3 centimeters; slightly decomposed plant material consisting of pine and fir needles.

A1—3 to 8 centimeters; brown (7.5YR 5/4) coarse sandy loam, dark brown (7.5YR 3/2) moist; weak thick platy structure; soft, very friable, nonsticky and nonplastic; many very fine and few fine roots; common very fine interstitial pores; 13 percent gravel; moderately acid (pH 5.6); clear smooth boundary.

A2—8 to 18 centimeters; brown (7.5YR 5/4) coarse sandy loam, reddish brown (5YR 4/4) moist; weak medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; many very fine and common fine, medium, and coarse roots; common very fine interstitial and few fine tubular pores; 14 percent gravel; moderately acid (pH 6.0); clear smooth boundary.

Bt1—18 to 28 centimeters; brown (7.5YR 5/4) coarse sandy loam, reddish brown (5YR 4/4) moist; weak medium subangular blocky structure; slightly hard, very friable, nonsticky and nonplastic; many very fine, fine, medium, and coarse roots; common thin clay films bridging and coating sand grains; 14 percent gravel; moderately acid (pH 5.8); clear smooth boundary.

Bt2—28 to 53 centimeters; strong brown (7.5YR 5/6) coarse sandy loam, dark reddish brown (5YR 3/4) moist; massive; hard, friable, nonsticky and nonplastic; many very fine, fine, medium, and coarse roots; common very fine tubular and interstitial pores; many thin clay films bridging and coating sand grains; moderately thick clay films in places; 14 percent gravel; strongly acid (pH 5.5); abrupt wavy boundary.

Bt3—53 to 76 centimeters; strong brown (7.5YR 5/6) gravelly coarse sandy loam, yellowish red (5YR 4/6) moist; brown (7.5YR 5/4) coatings; massive; hard, firm, slightly sticky and slightly plastic; few very fine, fine, medium, and coarse roots; common very fine tubular and interstitial and few fine tubular pores; many thin and few moderately thick clay films bridging and coating sand grains; few cobbles at the upper boundary of the horizon; 27 percent gravel; strongly acid (pH 5.5); gradual smooth boundary.

Bt4—76 to 97 centimeters; strong brown (7.5YR 5/6, 5/8) gravelly coarse sandy loam, yellowish red (5YR 5/6) moist; brown (7.5YR 5/4) coatings; massive; hard, firm, slightly sticky and slightly plastic; few fine, medium, and coarse roots; common very fine interstitial and tubular and few fine tubular pores; continuous thin and few moderately thick clay films bridging and coating sand grains; 26 percent gravel; strongly acid (pH 5.5); gradual wavy boundary.

Bt5—97 to 117 centimeters; strong brown (7.5YR 5/6, 5/8) gravelly coarse sandy loam, yellowish red (5YR 4/8) moist; massive; hard, firm, slightly sticky and slightly plastic; very few fine, medium, and coarse roots; common very fine interstitial pores; continuous moderately thick yellowish red (5YR 4/6) clay films bridging and coating sand grains; 44 percent gravel; strongly acid (pH 5.5); abrupt wavy boundary.

Bx1—117 to 135 centimeters; variegated reddish yellow (7.5YR 6/6) and strong brown (7.5YR 5/6) loamy coarse sand, strong brown (7.5YR 5/6, 5/8) and brownish yellow (10YR 6/6) moist; massive; hard, firm; common very fine interstitial pores; common thin clay films lining pores; 7 percent gravel; strongly acid (pH 5.5); clear wavy boundary.

Bx2—135 to 170 centimeters; light gray (2.5Y 7/2) coarse sandy loam, olive gray (5Y 5/2) moist; dark grayish brown (2.5Y 4/2) bands; massive; extremely hard,

extremely firm; few very fine interstitial pores; 10 percent gravel; strongly acid (pH 5.5); clear wavy boundary.

C—170 to 185 centimeters; white (N 8/), finely stratified fine sandy loam and silty clay, light gray (N 7/) moist; black (dry and moist) coatings; strong medium platy structure; slightly hard, firm, nonsticky and plastic; in the entire horizon, horizontal bands of clay and silt with black coatings between the plates; 6 percent gravel; strongly acid (pH5.5); abrupt smooth boundary.

Cd—185 to 257 centimeters; light gray (2.5Y 7/2), compacted till with a texture of coarse sandy loam, grayish brown (2.5Y 5/2) moist; horizon was augered; 10 to 20 percent gravel.

Type location: El Dorado County, California; 4.5 meters north of Fountain Place Road, 5 1/2 miles south of Bijou, California; 0.2 mile east of the southwest corner of sec. 23, T. 12 N., R. 18 E.; USGS quadrangle: Freel Peak, California.

Range in characteristics

These soils are usually moist in some part between depths of 20 and 61 centimeters most of the year, but they are dry in all parts from early July until early October. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 7 to 8 degrees C at a depth of 50 centimeters
Mean summer soil temperature: 15.5 to 17.2 degrees C
Depth to fragic soil properties: 100 to 200 centimeters
Depth to compact till: More than 150 centimeters
Content of stones and cobbles: 0 to 20 percent
Base saturation: Between 35 and 75 percent in the argillic horizon
Reaction: Slightly acid or moderately acid

A horizons:
- Hue—10YR or 7.5YR dry; 10YR, 7.5YR, or 5YR moist
- Value—4 or 5 dry
- Chroma—2 to 4 dry or moist
- Structure—weak platy to strong granular structure

Bt horizons:
- Hue—10YR or 7.5YR dry; 10YR, 7.5YR, or 5YR moist
- Value—4 to 8
- Chroma—3 to 8 dry and moist
- Texture of the fine-earth fraction—loamy coarse sand or coarse sandy loam
- Content of gravel—0 to 20 percent
- Content of clay—3 to 6 percent more clay than the A horizon
- Structure—weak blocky structure or massive
- Reaction—moderately acid or strongly acid

The Bx horizons are massive, have bleached seams, and are hard to extremely hard when dry and firm to extremely firm when moist.

Jobsis Series

The Jobsis series consists of shallow, somewhat excessively drained soils that formed in colluvium and residuum derived from granitic rocks. These soils are on mountains. Slopes range from 8 to 75 percent. The mean annual precipitation is about 1,143 millimeters, and the mean annual air temperature is about 2 degrees C.

Taxonomic classification: Sandy-skeletal, mixed, shallow Typic Cryorthents

Typical pedon

Jobsis very gravelly loamy coarse sand, in a forested area of Jobsis-Whittell-Rock outcrop complex, cool, 8 to 30 percent slopes.

The percentage of the surface covered by rock fragments is as follows: 25 percent by gravel, 5 percent by stones, and 15 percent by boulders. Colors are for dry soil unless otherwise indicated.

A1—0 to 1 centimeter; dark grayish brown (10YR 4/2) very gravelly loamy coarse sand, very dark grayish brown (10YR 3/2) moist; weak fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; few very fine roots; many very fine interstitial pores; 50 percent gravel and 5 percent boulders; strongly acid; clear wavy boundary.

A2—1 to 13 centimeters; grayish brown (10YR 5/2) very gravelly loamy coarse sand, very dark grayish brown (10YR 3/2) moist; moderate fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; many very fine, common fine, common medium, and common coarse roots; many very fine interstitial pores; 50 percent gravel and 5 percent boulders; strongly acid; clear wavy boundary.

Bw1—13 to 23 centimeters; pale brown (10YR 6/3) very gravelly loamy coarse sand, brown (10YR 4/3) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; many very fine, common fine, common medium, and common coarse roots; many very fine interstitial pores; 55 percent gravel; strongly acid; clear wavy boundary.

Bw2—23 to 30 centimeters; pale brown (10YR 6/3) very gravelly loamy coarse sand, brown (10YR 4/3) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine, common fine, common medium, and common coarse roots; many very fine interstitial pores; 50 percent gravel; strongly acid; clear wavy boundary.

Bw3—30 to 43 centimeters; pale brown (10YR 6/3) very gravelly loamy coarse sand, brown (10YR 4/3) moist; weak fine and medium subangular blocky structure; slightly hard, very friable, nonsticky and nonplastic; common very fine and few fine roots; many very fine interstitial and tubular pores; 45 percent gravel; strongly acid; clear wavy boundary.

2C—43 to 50 centimeters; pale brown (10YR 6/3) very gravelly coarse sand, brown (10YR 4/3) moist; massive-rock structure; slightly hard, very friable, nonsticky and nonplastic; few very fine and few fine roots; many very fine interstitial pores; 50 percent gravel; strongly acid; clear wavy boundary.

2Cr—50 to 75 centimeters; soft, weathered granodiorite.

Type location: Alpine County, California; in the Toiyabe National Forest, about 1 mile southeast of Hawkins Peak; approximately 2,200 feet north and 1,825 feet east of the southwest corner of sec. 11, T. 10 N., R. 19 E.; 38 degrees 43 minutes 34.9 seconds north latitude and 119 degrees 51 minutes 42.0 seconds west longitude; NAD27; USGS quadrangle: Markleeville, California.

Range in characteristics

These soils are usually moist in the moisture control section during late fall and during winter and spring and are dry from mid-July to early October. They are dry for 60 to 80 consecutive days in the 4 months following the summer solstice. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 3 to 4 degrees C
Mean summer soil temperature: 7 to 8 degrees C
Thickness of the ochric epipedon: 8 to 23 centimeters

Depth to bedrock: 25 to 50 centimeters to paralithic contact (contact with weathered granitic rock, such as granodiorite)

Particle-size control section:
Content of clay—averages less than 10 percent
Content of rock fragments—averages 35 to 60 percent, mainly fine gravel
Lithology of the rock fragments—granitic rocks, such as granodiorite

A horizons:
Value—5 or 6 dry, 3 or 4 moist
Chroma—2 or 3 dry or moist
Content of organic matter—1 to 3 percent
Reaction—very strongly acid or strongly acid

Bw and 2C horizons:
Chroma—3 or 4 dry or moist
Texture—very gravelly loamy coarse sand or very gravelly coarse sand
Content of clay—4 to 10 percent
Content of rock fragments—35 to 60 percent, mainly fine gravel (2 to 5 millimeters in diameter)
Reaction—very strongly acid or strongly acid

Jorge Series

The Jorge series consists of deep or very deep, well drained soils that formed in material weathered from basic volcanic rocks (fig. 31). These soils are on hillslopes and mountain slopes. Slopes range from 2 to 75 percent. The mean annual precipitation is 1,015 millimeters, and the mean annual air temperature is 5 degrees C.

Taxonomic classification: Loamy-skeletal, isotic, frigid Andic Haploxeralfs

Typical pedon

Jorge stony sandy loam, on a northeast-facing slope of 20 percent, under a cover of mixed conifers, at an elevation of 1,951 meters, in an area of Jorge-Tahoma complex, 15 to 30 percent slopes.

Colors are for dry soil unless otherwise indicated.

Oi—0 to 4 centimeters; litter and duff, mainly from manzanita.
A1—4 to 27 centimeters; brown (7.5YR 5/4) stony sandy loam, brown (7.5YR 4/4) moist; weak very fine subangular blocky structure; soft, very friable, nonsticky and slightly plastic; many very fine and fine and common medium and coarse roots; many very fine and fine interstitial pores; 10 percent gravel, 5 percent stones, and 1 percent cobbles; moderately acid (pH 5.6); clear smooth boundary.
A2—27 to 60 centimeters; brown (7.5YR 5/4) very gravelly sandy loam, brown (7.5YR 4/4) moist; weak very fine and fine subangular blocky structure; soft, friable, nonsticky and slightly plastic; many very fine and fine and common medium and coarse roots; many very fine and fine interstitial pores; 40 percent gravel and 4 percent cobbles; moderately acid (pH 5.6); clear wavy boundary.
BA—60 to 85 centimeters; brown (7.5YR 5/4) very gravelly loam, brown (7.5YR 4/4) moist; weak fine subangular blocky structure; soft, friable, nonsticky and slightly plastic; common very fine, fine, medium, and coarse roots; many very fine and fine interstitial and common very fine vesicular pores; 35 percent gravel and 3 percent cobbles; moderately acid (pH 5.6); clear wavy boundary.
Bt—85 to 126 centimeters; brown (7.5YR 5/4) very gravelly loam, brown (7.5YR 4/4) moist; weak fine and medium subangular blocky structure; slightly hard, friable,

Figure 31.—Typical profile of a Jorge soil.

slightly sticky and slightly plastic; few very fine and fine and common medium and coarse roots; many very fine and fine interstitial and few very fine vesicular pores; few thin clay films occurring as bridges; 40 percent gravel and 2 percent cobbles; moderately acid (pH 5.8); gradual wavy boundary.

C—126 to 217 centimeters; dark yellowish brown (10YR 4/4) very gravelly sandy loam, dark yellowish brown (10YR 3/4) moist; massive; soft, very friable, nonsticky and nonplastic; few very fine roots; common very fine and fine interstitial pores; 45 percent gravel and 2 percent cobbles; moderately acid (pH 5.8); gradual wavy boundary.

Cr—217 centimeters; weathered vesicular andesitic agglomerate.

Type location: Placer County, California; 4 miles north of Tahoe City; 366 meters west of the northeast corner of sec. 19, T. 16 N., R. 17 E.; Mount Diablo Base and Meridian; USGS quadrangle: Tahoe City, California.

Range in characteristics

These soils are moist between depths of 23 and 86 centimeters during late fall and during winter and spring and are dry in all parts from late July until early October. They have a typic xeric moisture regime.

Mean annual soil temperature: 4 to 8 degrees C at a depth of 50 centimeters
Mean summer temperature 10 to 12 degrees C
Thickness of the solum: 100 to 165 centimeters
Depth to weathered bedrock: 127 to 254 centimeters
Percentage of the surface covered by cobbles, stones, and rock outcrop: 5 to 15 percent
Mineralogy: Influenced by vitric pyroclastic material
Thickness of the O horizon: 3 to 8 centimeters
Base saturation: Less than 50 percent; typically less than 30 percent because of a high amount of aluminum in the parent material

A horizons:
- Hue—10YR, 7.5YR, or 5YR
- Value—4 to 6 dry, 2 to 4 moist
- Chroma—2 to 4 dry or moist
- Texture of the fine-earth fraction—coarse sandy loam, sandy loam, or loam
- Content of organic matter—2 to 15 percent
- Content of rock fragments—15 to 45 percent gravel, cobbles, and stones
- Structure—single grained, weak granular, or weak subangular blocky
- Reaction—neutral to moderately acid

BA or Bw horizons:
- Hue—10YR or 7.5YR
- Value—5 to 7 dry, 3 or 4 moist
- Chroma—3 or 4 dry or moist
- Texture of the fine-earth fraction—sandy loam, loam, sandy clay loam, or clay loam
- Content of rock fragments—35 to 65 percent
- Content of clay—5 to 13 percent
- Reaction—neutral to strongly acid

Bt horizon:
- Hue—10YR or 7.5YR
- Value—5 to 7 dry, 3 or 4 moist
- Chroma—3 or 4 dry or moist
- Texture of the fine-earth fraction—sandy loam, loam, sandy clay loam, or clay loam

Content of rock fragments—35 to 65 percent
Content of clay—15 to 35 percent; averages 4 to 12 percent more than the content in the A horizon
Reaction—slightly acid to very strongly acid

C horizon:
Hue—10YR
Value—5 to 7 dry, 3 or 4 moist
Chroma—3 to 6 dry or moist
Texture of the fine-earth fraction—loamy sand or sandy loam
Content of rock fragments—35 to 65 percent
Content of clay—11 to 27 percent
Reaction—slightly acid to very strongly acid

Kingsbeach Series

The Kingsbeach series consists of very deep, moderately well drained soils that formed in alluvium and/or colluvium derived from andesite over lacustrine deposits. These soils are on alluvial fans. Slopes range from 2 to 15 percent. The mean annual precipitation is about 635 millimeters, and the mean annual air temperature is about 6 degrees C.

Taxonomic classification: Fine-loamy, isotic, frigid Ultic Palexeralfs

Typical pedon

Kingsbeach stony sandy loam, on a south-facing (170-degree) slope of 4 percent, at an elevation of 1,914 meters, in an area of Kingsbeach stony sandy loam, 2 to 15 percent slopes.

Colors are for dry soil unless otherwise indicated.

Oi—0 to 3 centimeters; slightly decomposed plant material.
A—3 to 15 centimeters; dark yellowish brown (10YR 4/4) stony sandy loam, dark brown (7.5YR 3/2) moist; moderate fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; many fine and very fine and few coarse roots throughout; common very fine interstitial pores; 5 percent stones, 5 percent cobbles, and 10 percent gravel; moderately acid (pH 5.6); clear smooth boundary.
Bt1—15 to 51 centimeters; brown (10YR 5/3) loam, dark reddish brown (5YR 3/4) moist; weak fine and medium subangular blocky structure; slightly hard, friable, nonsticky and slightly plastic; many fine and very fine and common medium and coarse roots throughout; common very fine interstitial pores; 15 percent clay bridges; moderately acid (pH 5.6); abrupt wavy boundary.
2Bt2—51 to 76 centimeters; strong brown (7.5YR 5/6) sandy clay loam, brown (7.5YR 4/4) moist; massive; hard, firm, slightly sticky and moderately plastic; few fine and very fine roots throughout; common very fine interstitial and tubular pores; 20 percent clay films on surfaces along pores and 20 percent clay bridges; moderately acid (pH 5.6); abrupt wavy boundary.
2C—76 to 152 centimeters; light gray (10YR 7/2) clay loam; massive; hard, firm, slightly sticky and moderately plastic; 25 percent medium light olive brown (2.5Y 5/3) masses of reduced iron at the top of the horizon; moderately acid (pH 5.6).

Type location: Placer County, California; 1 mile west of Kings Beach; 305 meters east and 91 meters north of the southwest corner of sec. 12, T. 16 N., R. 17 E.; 39 degrees 14 minutes 38 seconds north latitude and 120 degrees 2 minutes 42 seconds west longitude; NAD83; USGS quadrangle: Kings Beach, California.

Range in characteristics

These soils are usually dry for 45 to 75 consecutive days in late summer and are moist the rest of the year. They have a typic xeric moisture regime

Seasonal high water table: During spring runoff, water movement is slowed at the lithologic discontinuity.
Percentage of the surface covered by rock fragments: 0 to 10 percent (0 to 5 percent by gravel, 0 to 5 percent by cobbles, and 0 to 3 percent by stones)
Content of organic matter: As high as 5 percent in the A horizon and dropping to less than 1 percent in the 2C horizon
Reaction: Strongly acid to slightly acid
Base saturation: 35 to 75 percent (by ammonium acetate)
Depth to redoximorphic features: 50 to 100 centimeters

Particle-size control section: 15 to 65 centimeters
- Content of rock fragments—0 to 35 percent above the discontinuity (0 to 15 percent gravel, 0 to 10 percent cobbles, and 0 to 10 percent stones)
- Content of clay—averages 20 to 35 percent
- Mineralogy—isotic

A horizon(s):
- Hue—7.5YR or 10YR
- Value—4 or 5 dry, 3 or 4 moist
- Chroma—3 or 4 dry, 2 to 4 moist
- Texture of the fine-earth fraction—sandy loam
- Content of rock fragments—2 to 35 percent (2 to 15 percent gravel, 0 to 10 percent cobbles, and 0 to 10 percent stones)

Bt1 horizon:
- Hue—10YR, 7.5YR, or 5YR
- Value—4 or 5 dry, 3 or 4 moist
- Chroma—3 or 4 dry or moist
- Texture of the fine-earth fraction—loam, clay loam, or sandy clay loam
- Content of rock fragments—0 to 35 percent (0 to 15 percent gravel, 0 to 10 percent cobbles, and 0 to 10 percent stones)

2Bt2 horizon:
- Hue—10YR or 7.5YR
- Value—4 or 5 dry, 4 moist
- Chroma—4 or 6 dry, 4 moist
- Texture of the fine-earth fraction—sandy clay loam

2C horizon(s):
- Hue—10YR
- Value—6 to 8 dry
- Chroma—1 to 3 dry
- Redoximorphic features—masses of reduced iron
- Texture of the fine-earth fraction—clay loam or clay

Klauspeak Series

The Klauspeak series consists of very deep, somewhat excessively drained soils that formed in colluvium derived from granitic rocks. These soils are on mountains. Slopes range from 15 to 50 percent. The mean annual precipitation is about 1,143 millimeters, and the mean annual air temperature is about 3 degrees C.

Taxonomic classification: Sandy-skeletal, mixed Xeric Humicryepts

Typical pedon

Klauspeak gravelly loamy sand, in a forested area of Sofgran-Klauspeak-Temo association, 15 to 50 percent slopes.

The percentage of the surface covered by rock fragments is as follows: 15 percent by gravel, 5 percent by stones, and 5 percent by boulders. Colors are for dry soil unless otherwise indicated.

A1—0 to 13 centimeters; dark grayish brown (10YR 4/2) gravelly loamy sand, very dark brown (10YR 2/2) moist; weak medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; many very fine roots; common very fine interstitial and few very fine tubular pores; 10 percent gravel and 5 percent stones; strongly acid; clear wavy boundary.

A2—13 to 41 centimeters; grayish brown (10YR 5/2) gravelly loamy sand, very dark grayish brown (10YR 3/2) moist; weak medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; many very fine, fine, medium, and coarse roots; common very fine interstitial and tubular pores; 15 percent gravel and 5 percent stones; strongly acid; clear wavy boundary.

Bw1—41 to 56 centimeters; pale brown (10YR 6/3) very stony loamy sand, brown (10YR 4/3) moist; weak medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine, common fine, common medium, and common coarse roots; common very fine interstitial and tubular pores; 15 percent gravel, 10 percent cobbles, and 10 percent stones; strongly acid; clear wavy boundary.

Bw2—56 to 102 centimeters; olive yellow (2.5Y 6/6) very stony loamy coarse sand, olive brown (2.5Y 4/4) moist; massive; soft, very friable, nonsticky and nonplastic; few very fine and common very coarse roots; common very fine interstitial and tubular pores; 20 percent gravel, 10 percent cobbles, and 10 percent stones; strongly acid; clear wavy boundary.

C—102 to 152 centimeters; light yellowish brown (2.5Y 6/4) very cobbly coarse sand, olive brown (2.5Y 4/3) moist; massive; soft, very friable, nonsticky and nonplastic; common medium and coarse and few fine roots; many very fine interstitial pores; 30 percent gravel and 25 percent cobbles; strongly acid.

Type location: Alpine County, California; in the Toiyabe National Forest, about 1 mile southwest of Luther Pass and about 2,200 feet west-northwest of Waterhouse Peak; approximately 400 feet south and 1,800 feet west of the northeast corner of sec. 26, T. 10 N., R. 18 E.; 38 degrees 46 minutes 37.5 seconds north latitude and 119 degrees 57 minutes 19.4 seconds west longitude; NAD27; USGS 7.5 minute topographic quadrangle: Freel Peak, California.

Range in characteristics

These soils are usually moist in the moisture control section during late fall and during winter and spring and are dry from mid-July through September. They are dry for 60 to 80 consecutive days in the 4 months following the summer solstice. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 4 to 7 degrees C
Mean summer soil temperature: 7 to 8 degrees C
Thickness of the umbric epipedon: 64 to 127 centimeters
Depth to bedrock: 152 to 200 centimeters to paralithic contact (contact with weathered granitic rock, such as granodiorite)

Particle-size control section:
Content of clay—averages 3 to 10 percent

Content of rock fragments—averages 35 to 50 percent, mainly stones and cobbles
Lithology of the rock fragments—granitic rocks, such as granodiorite

A horizons:
Value—4 or 5 dry, 2 or 3 moist
Chroma—2 or 3 dry or moist
Content of organic matter—2 to 4 percent
Reaction—strongly acid or moderately acid

Bw horizons:
Hue—10YR or 2.5Y
Value—5 or 6 dry, 3 or 4 moist
Chroma—3 to 6 dry or moist
Texture of the fine-earth fraction—loamy coarse sand or loamy sand
Content of clay—3 to 10 percent
Content of rock fragments—35 to 50 percent
Reaction—strongly acid or moderately acid

C horizon:
Hue—10YR or 2.5Y
Chroma—3 or 4 dry or moist
Texture of the fine-earth fraction—coarse sand or loamy coarse sand
Content of clay—3 to 10 percent
Content of rock fragments—35 to 60 percent
Reaction—strongly acid or moderately acid

Kneeridge Series

The Kneeridge series consists of very deep, moderately well drained or well drained soils that formed in colluvium and/or till derived from andesite and andesitic lahar. These soils are on the footslopes and side slopes of glaciated valleys in the mountains. Slopes range from 2 to 15 percent. The mean annual precipitation is about 1,194 millimeters, and the mean annual air temperature is about 6 degrees C.

Taxonomic classification: Medial, mixed, frigid Humic Vitrixerands

Typical pedon

Kneeridge gravelly medial sandy loam, on a southeast-facing (150-degree) slope of 14 percent, at an elevation of 1,948 meters, in an area of Kneeridge gravelly medial sandy loam, 5 to 15 percent slopes, very stony.

When described on 8/05/2003, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

Oi—0 to 6 centimeters; slightly decomposed plant material consisting of pine and fir needles.
A—6 to 40 centimeters; olive brown (2.5Y 4/3) (crushed) gravelly medial sandy loam, very dark grayish brown (10YR 3/2) crushed and moist; weak fine granular structure; soft, very friable, nonsticky and nonplastic; few very fine and fine and common medium roots throughout; common fine interstitial pores; 10 percent subrounded pebbles 2 to 5 millimeters in size and 10 percent subrounded pebbles 5 to 75 millimeters in size; slightly alkaline (pH 7.4); gradual smooth boundary.
Bw—40 to 100 centimeters; light olive brown (2.5Y 5/3) (crushed) gravelly medial sandy loam, dark olive brown (2.5Y 3/3) crushed and moist; weak medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; few fine,

many medium, and common coarse roots throughout; common medium tubular pores; 8 percent subrounded pebbles 5 to 75 millimeters in size and 9 percent subrounded pebbles 2 to 5 millimeters in size; neutral (pH 7.2); gradual smooth boundary.

C—100 to 200 centimeters; brown (10YR 5/3) (crushed) gravelly sandy loam, dark brown (10YR 3/3) crushed and moist; massive; soft, very friable, nonsticky and nonplastic; few fine and common medium and coarse roots throughout; 1 percent subrounded cobbles, 6 percent subrounded pebbles 5 to 75 millimeters in size, and 10 percent subrounded pebbles 2 to 5 millimeters in size; slightly alkaline (pH 7.6).

Type location: Placer County, California; north of the road before the bridge in Blackwood Canyon; 232.5 meters east and 83.2 meters north of the southwest corner of sec. 26, T. 15 N., R. 16 E.; 39 degrees 6 minutes 44 seconds north latitude and 120 degrees 11 minutes 16 seconds west longitude; NAD83; USGS quadrangle: Homewood, California.

Range in characteristics

These soils are usually dry for 45 to 75 consecutive days in late summer and early fall and are moist the rest of the year. They have a typic xeric moisture regime.

Seasonal high water table: At a depth of 100 to 200 centimeters; in the form of lateral flow in the lower part of the profile during spring snowmelt

Percentage of the surface covered by rock fragments: 10 to 40 percent (5 to 25 percent by gravel, 2 o 10 percent by cobbles, and 0 to 5 percent by stones)

Content of organic matter: 8 to 15 percent in the A horizons and dropping to 0.5 to 1 percent in the C horizon

Reaction: Slightly acid to slightly alkaline

Acid-oxalate extractable Al plus ½ Fe: 2 to 3 percent (by weight) to a depth of 36 centimeters below the bottom of any O horizon occurring in the profile

Particle-size control section:

- Content of rock fragments—10 to 35 percent (10 to 30 percent gravel, 0 to 5 percent cobbles, and 0 to 5 percent stones)
- Mineralogy—amorphic

A horizon:

- Hue—10YR or 2.5Y
- Value—3 to 5 dry, 2 or 3 moist
- Chroma—2 or 3 dry or moist
- Content of organic matter—8 to 15 percent
- Texture of the fine-earth fraction—medial loamy coarse sand, medial coarse sandy loam, or medial sandy loam
- Content of clay—3 to 13 percent
- Content of rock fragments—10 to 35 percent
- Reaction—slightly acid to slightly alkaline

Bw horizon:

- Hue—10YR or 2.5Y
- Value—4 or 5 dry, 3 or 4 moist
- Chroma—3 or 4 dry or moist
- Content of organic matter—2 to 8 percent
- Texture of the fine-earth fraction—medial coarse sandy loam or medial sandy loam
- Content of clay—3 to 15 percent
- Content of rock fragments—10 to 35 percent

Reaction—slightly acid to slightly alkaline

C horizon(s):
Hue—10YR or 2.5Y
Value—4 or 5 dry, 3 or 4 moist
Chroma—3 or 4 dry or moist
Content of organic matter—0.5 to 1 percent
Texture of the fine-earth fraction—loamy coarse sand, coarse sandy loam, or sandy loam
Content of clay—1 to 10 percent
Content of rock fragments—10 to 35 percent
Reaction—slightly acid to slightly alkaline

Lithnip Series

The Lithnip series consists of very shallow, somewhat excessively drained soils that formed in residuum and colluvium derived from tuff, tuff breccia, and andesite. These soils are on mountains. Slopes range from 8 to 75 percent. The mean annual precipitation is about 1,143 millimeters, and the mean annual air temperature is about 3 degrees C.

Taxonomic classification: Loamy-skeletal, isotic, nonacid Lithic Cryorthents

Typical pedon

Lithnip extremely gravelly sandy loam, in an area of rangeland.

The percentage of the surface covered by rock fragments is as follows: 60 percent by gravel and less than 1 percent by stones. Colors are for dry soil unless otherwise indicated.

A—0 to 5 centimeters; light yellowish brown (10YR 6/4) extremely gravelly sandy loam, dark yellowish brown (10YR 3/4) moist; weak fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; few very fine roots; common very fine interstitial pores; 70 percent gravel; slightly acid; clear wavy boundary.
C—5 to 13 centimeters; light yellowish brown (10YR 6/4) very gravelly sandy loam, dark yellowish brown (10YR 3/4) moist; massive; slightly hard, very friable, nonsticky and nonplastic; few very fine roots; common very fine interstitial pores; 55 percent gravel; slightly acid; abrupt wavy boundary.
R—13 centimeters; hard tuff.

Type location: Alpine County, California; in the Toiyabe National Forest, about 0.9 mile northeast of The Nipple peak; approximately 750 feet south and 1,250 feet west of the northeast corner of sec. 7, T. 9 N., R. 19 E.; 38 degrees 39 minutes 10.0 seconds north latitude and 119 degrees 55 minutes 41.6 seconds west longitude; NAD27; USGS quadrangle: Carson Pass, California.

Range in characteristics

These soils are usually moist in the moisture control section in fall, winter, and spring and are dry from July through September. They are dry for 60 to 80 consecutive days in the 4 months following the summer solstice. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 3 to 7 degrees C
Mean summer soil temperature: 7 to 13 degrees C
Depth to bedrock: 10 to 25 centimeters to lithic contact
Sodium fluoride pH: 8.5 to 9.5.

Particle-size control section:
Content of clay—averages 12 to 18 percent
Content of rock fragments—averages 60 to 80 percent, dominantly gravel
Lithology of the rock fragments—volcanic rocks, such as tuff, tuff breccia, and andesite

A horizon:
Hue—10YR or 7.5YR
Value—5 or 6 dry, 3 or 4 moist
Chroma—2 to 4 dry or moist
Content of organic matter—1 or 2 percent
Content of clay—10 to 18 percent
Content of rock fragments—60 to 80 percent, dominantly gravel
Reaction—slightly acid or neutral

C horizon:
Hue—10YR or 7.5YR
Value—5 or 6 dry, 3 or 4 moist
Chroma—3 or 4 dry or moist
Texture of the fine-earth fraction—sandy loam
Content of clay—12 to 18 percent
Content of rock fragments—50 to 80 percent
Reaction—slightly acid or neutral

Lostridge Series

The Lostridge series consists of moderately deep, well drained soils that formed in residuum and colluvium derived from andesitic tuff and tuff breccia. These soils are on mountains. Slopes range from 15 to 50 percent. The mean annual precipitation is about 1,143 millimeters, and the mean annual air temperature is about 3 degrees C.

Taxonomic classification: Loamy-skeletal, isotic Xeric Humicryepts

Typical pedon

Lostridge very gravelly coarse sandy loam, in a forested area.

The percentage of the surface covered by rock fragments is as follows: 35 percent by gravel and less than 1 percent by stones. Colors are for dry soil unless otherwise indicated.

A1—0 to 8 centimeters; grayish brown (10YR 5/2) very gravelly coarse sandy loam, very dark grayish brown (10YR 3/2) moist; moderate medium granular structure; soft, very friable, nonsticky and nonplastic; common very fine and fine roots; common very fine interstitial and tubular pores; 35 percent gravel; strongly acid; clear wavy boundary.

A2—8 to 28 centimeters; brown (10YR 5/3) very gravelly coarse sandy loam, dark brown (10YR 3/3) moist; moderate medium granular structure; soft, very friable, nonsticky and nonplastic; many fine, medium, and coarse roots; common very fine interstitial and tubular pores; 45 percent gravel; strongly acid; clear wavy boundary.

Bw—28 to 58 centimeters; light yellowish brown (10YR 6/4) very gravelly coarse sandy loam, dark yellowish brown (10YR 4/4) moist; moderate medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common fine, medium, and coarse roots; common very fine interstitial and tubular pores; 45 percent gravel; strongly acid; clear wavy boundary.

C—58 to 74 centimeters; light yellowish brown (10YR 6/4) very gravelly coarse sandy loam, dark yellowish brown (10YR 4/4) moist; massive; soft, very friable, nonsticky and nonplastic; common fine, medium, and coarse roots; common very fine interstitial and tubular pores; 50 percent gravel; strongly acid; clear wavy boundary.
Cr—74 centimeters; weathered tuff.

Type location: Alpine County, California; in the Toiyabe National Forest, about 0.75 mile northeast of The Nipple peak; approximately 1,400 feet south and 1,375 feet west of the northeast corner of sec. 7, T. 9 N., R. 19 E.; 38 degrees 39 minutes 3.9 seconds north latitude and 119 degrees 55 minutes 47.1 seconds west longitude; NAD27; USGS quadrangle: Carson Pass, California.

Range in characteristics

These soils are usually moist in the moisture control section during late fall and during winter and spring and are dry from mid-July through September. They are dry for 60 to 80 consecutive days in the 4 months following the summer solstice. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 4 to 7 degrees C
Mean summer soil temperature: 7 to 8 degrees C
Thickness of the umbric epipedon: 18 to 41 centimeters.
Depth to bedrock: 50 to 100 centimeters to paralithic contact (contact with weathered tuff or tuff breccia)
Sodium fluoride pH: 10.0 to 11.5.

Particle-size control section:
- Content of clay—averages 12 to 18 percent
- Content of rock fragments—averages 35 to 60 percent, mainly gravel
- Lithology of the rock fragments—volcanic rocks, such as tuff, tuff breccia, and andesite

A horizons:
- Hue—10YR or 7.5YR
- Value—4 or 5 dry, 2 or 3 moist
- Chroma—2 or 3 dry or moist
- Content of organic matter—2 to 10 percent
- Reaction—very strongly acid or strongly acid

Bw horizon:
- Hue—10YR or 7.5YR
- Value—5 or 6 dry, 3 or 4 moist
- Chroma—3 or 4 dry or moist
- Texture of the fine-earth fraction—coarse sandy loam or sandy loam
- Content of clay—12 to 18 percent
- Content of rock fragments—35 to 60 percent
- Structure—weak or moderate subangular blocky
- Reaction—very strongly acid or strongly acid

C horizon (where present):
- Hue—10YR or 7.5YR
- Value—5 or 6 dry, 3 or 4 moist
- Chroma—3 or 4 dry or moist
- Texture of the fine-earth fraction—coarse sandy loam or sandy loam
- Content of clay—10 to 18 percent

Content of rock fragments—35 to 60 percent.
Content of pararock fragments—10 to 25 percent paragravel or parachanners
Reaction—very strongly acid or strongly acid

Marla Series

The Marla series consists of very deep, poorly drained soils that formed in alluvium derived from mostly granitic rocks. These soils are on outwash terraces. Slopes range from 0 to 8 percent. The mean annual precipitation is about 1,016 millimeters, and the mean annual air temperature is about 5 degrees c.

Taxonomic classification: Sandy, mixed, frigid Aquic Dystroxerepts

Typical pedon

Marla loamy coarse sand, 0 to 5 percent slopes, in a wooded area.

Colors are for dry soil unless otherwise indicated.

Oi—0 to 8 centimeters; mat of decomposing lodgepole pine needles.
A1—8 to 18 centimeters; brown (10YR 5/3) loamy coarse sand, dark brown (10YR 3/3) moist; weak thick platy structure; soft, very friable, nonsticky and nonplastic; many very fine, fine, and medium and common coarse roots; common very fine tubular and interstitial pores; strongly acid (pH 5.2); clear smooth boundary.
A2—18 to 36 centimeters; brown (10YR 5/3) loamy coarse sand, dark brown (10YR 3/3) moist; massive; slightly hard, very friable, nonsticky and nonplastic; many very fine, fine, medium, and coarse roots; common very fine tubular and interstitial pores; moderately acid (pH 6.0); gradual smooth boundary.
C1—36 to 79 centimeters; pale brown (10YR 6/3) loamy coarse sand, brown (10YR 4/3) moist; many medium prominent mottles, dark brown (7.5YR 3/2) moist; massive; slightly hard, very friable, nonsticky and nonplastic; few very fine, fine, medium, and coarse roots; common very fine tubular and interstitial pores; moderately acid (pH 5.8); gradual smooth boundary.
C2—79 to 119 centimeters; pale brown (10YR 6/3) loamy coarse sand with common medium prominent reddish yellow (5YR 6/8) mottles, brown (10YR 4/3) with many coarse distinct brown (7.5YR 4/4) mottles moist; massive; slightly hard, friable, brittle, nonsticky and nonplastic; very few fine and medium roots; many very fine tubular and interstitial pores; moderately acid (pH 6.0); clear smooth boundary.
2Cg1—119 to 150 centimeters; light gray (10YR 7/1) clay loam with many medium prominent mottles, reddish yellow (7.5YR 6/8) and dark grayish brown (2.5Y 4/2) with many medium prominent strong brown (7.5YR 5/6) mottles moist; weak thick platy structure; very hard, firm, sticky and slightly plastic; very few fine and medium roots; common very fine tubular pores; moderately acid (pH 6.0); clear smooth boundary.
2Cg2—150 to 175 centimeters; variegated light gray (5Y 7/2), pale yellow (2.5Y 8/2), and reddish yellow (5YR 6/8), stratified fine sandy loam and sandy loam, greenish gray (5G 5/1) with strong brown (7.5YR 5/6) strata moist; massive; hard, friable, slightly sticky and slightly plastic; no roots; common very fine tubular pores; slightly acid (pH 6.5).

Type location: El Dorado, California; about 1 mile south of Tahoe Keys; 21 meters east of California Street, between lots 9 and 10; 1,524 meters north and 975 meters west of the southeast corner of sec. 4., T. 12 N., R. 18 E.; 119 degrees 59 minutes 46.95 seconds west longitude and 38 degrees 55 minutes 21.95 seconds north latitude; NAD27.

Range in characteristics

These soils are never dry in all horizons between depths of 30 and 89 centimeters for as long as 60 consecutive days. They are saturated from a depth of 30 to 61 centimeters during spring and early summer. The soils have an aquic xeric moisture regime.

Mean annual soil temperature: 4 to 8 degrees C
Mean summer soil temperature: 5 to 11 degrees C

Particle-size control section:
Texture of the fine-earth fraction—loamy coarse sand or loamy sand
Content of rock fragments—0 to 15 percent fine gravel

Depth to a gleyed substratum: 100 to 150 centimeters

A horizons:
Value—4 or 5 dry
Chroma—2 or 3 dry or moist
Texture of the fine-earth fraction—loamy coarse sand, loamy sand, or sandy loam
Structure—either platy or granular structure or massive
Reaction—strongly acid to neutral
Base saturation—estimated range of 30 to 50 percent

C horizons:
Hue—10YR or 7.5YR
Value—4 or 6 dry or moist
Chroma—3 to 6 dry or moist
Texture of the fine-earth fraction—loamy sand to coarse sand

2Cg horizons:
Hue—10YR, 7.5YR, 5YR, 5Y, or 2.5Y
Value—6 to 8 dry or moist
Chroma—1 or 2 dry or moist
Texture of the fine-earth fraction—loamy coarse sand to stratified clay loam

Meeks Series

The Meeks series consists of well drained or somewhat excessively drained soils that formed in glacial till and outwash. These soils are deep or very deep to weakly cemented glacial till. They are on moraines. Slopes range from 2 to 70 percent. The mean annual precipitation is about 1,270 millimeters, and the mean annual air temperature is about 4 degrees C.

Taxonomic classification: Sandy-skeletal, mixed, frigid Humic Dystroxerepts

Typical pedon

Meeks gravelly loamy coarse sand, on a southeast-facing slope of 30 percent, under a cover of mixed conifers, at an elevation of 1,951 meters, in an area of Meeks gravelly loamy coarse sand, 15 to 30 percent slopes, extremely bouldery.

Colors are for dry soil unless otherwise indicated.

Oi—0 to 5 centimeters; litter and duff, mainly from shrubs.
A1—5 to 13 centimeters; grayish brown (10YR 5/2) gravelly loamy coarse sand, dark brown (10YR 3/3) moist; weak fine granular structure; soft, very friable, nonsticky and nonplastic; many very fine roots; many very fine and fine interstitial pores; 5 percent stones and 10 percent gravel; slightly acid (pH 6.2); clear smooth boundary.

A2—13 to 33 centimeters; brown (10YR 5/3) gravelly loamy coarse sand, dark brown (10YR 3/3) moist; massive; soft, very friable, nonsticky and nonplastic; many very fine, fine, medium, and coarse roots; many very fine and fine interstitial pores; 15 percent gravel and 5 percent cobbles; slightly acid (pH 6.5); gradual smooth boundary.

Bw1—33 to 69 centimeters; pale brown (10YR 6/3) extremely stony loamy coarse sand, brown (10YR 4/3) moist; massive, soft, very friable, nonsticky and nonplastic; many fine, medium, and coarse roots; many very fine and fine interstitial pores; 30 percent gravel and 40 percent cobbles and stones; slightly acid (pH 6.2); clear smooth boundary.

Bw2—69 to 160 centimeters; pale brown (10YR 6/3) extremely stony loamy coarse sand, brown (10YR 4/3) moist; massive; soft, very friable, nonsticky and nonplastic; common very fine, medium, and coarse roots; many very fine and fine interstitial pores; 40 percent gravel and 40 percent cobbles and stones; moderately acid (pH 6.0); clear smooth boundary.

Bqm—160 to 185 centimeters; light gray (5Y 7/1) gravelly loamy coarse sand, olive (5Y 5/3) moist; massive; hard, firm; weakly cemented; very few pores; on sand grains, very pale brown (10YR 7/4) films that seem to be silica coatings and bridges; strongly acid (pH 5.5).

Type location: El Dorado County, California; Tahoe Basin; 0.5 mile north of Meeks Bay in the Glenridge subdivision; 0.25 mile east of the center of sec. 20, T. 14 N., R. 17 E.; Mount Diablo Base and Meridian; USGS quadrangle: Homewood, California.

Range in characteristics

These soils are usually moist between depths of 36 and 155 centimeters and are dry in all parts of the moisture control section from late June until early October. They have a typic xeric moisture regime.

Mean annual soil temperature: 4 to 7 degrees C
Mean summer soil temperature: 11 to 13 degrees C
Thickness of the umbric epipedon: 10 to 17 centimeters
Depth to the Bqm horizon: More than 100 centimeters

Particle-size control section: 25 to 100 centimeters
- Content of rock fragments—average of 40 to 80 percent, by volume, gravel, cobbles, stones, and boulders

Thickness of the O horizon: 3 to 8 centimeters

A horizons:
- Value—4 or 5 dry, 3 moist
- Chroma—1 to 3 dry, 2 or 3 moist
- Texture of the fine-earth fraction—loamy sand or loamy coarse sand
- Content of rock fragments—average of 5 to 30 percent, by volume, mainly gravel, with some cobbles and stones
- Structure—single grain, massive, or weak granular structure
- Reaction—slightly acid or moderately acid
- Content of organic matter—2 to 8 percent

Bw horizons:
- Value—4 to 6 dry and moist
- Chroma—2 or 3 dry, 3 moist
- Texture of the fine-earth fraction—loamy coarse sand or sand
- Content of rock fragments—40 to 80 percent gravel, cobbles, stones, or boulders, by volume
- Reaction—slightly acid or moderately acid

Bqm horizon:
Cementation—weakly cemented to strongly cemented glacial till; hard or very hard when dry and firm or very firm when moist
Reaction—moderately acid or strongly acid
Other features—discontinuous to continuous lamina about 1 to 2 millimeters thick coating the surface of the horizon

Meiss Series

The Meiss series consists of shallow, somewhat excessively drained soils that formed in material weathered from andesitic rocks (fig. 32). These soils are on mountains. Slopes range from 2 to 75 percent. The mean annual precipitation is 1,450 millimeters, and the mean annual air temperature is about 4 degrees C.

Taxonomic classification: Loamy, isotic Lithic Humicryepts

Typical pedon

Meiss gravelly ashy loam, on a southwest-facing slope of 45 percent, under a cover of sagebrush, wyethia, and grasses, at an elevation of 2,728 meters; in an area of Lithnip-Meiss-Hawkinspeak association, 30 to 75 percent slopes.

When described on 6/18/68, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

A1—0 to 15 centimeters; brown (10YR 5/3) gravelly ashy loam, dark brown (10YR 3/3) moist; moderate fine granular structure; slightly hard, friable, slightly sticky and slightly plastic; many very fine roots; many very fine interstitial pores; 10 percent cobbles and 20 percent gravel; slightly acid (pH 6.5); clear smooth boundary.
A2—15 to 33 centimeters; yellowish brown (10YR 5/4) gravelly ashy loam, dark yellowish brown (10YR 3/4) moist; moderate fine granular structure; slightly hard, friable, slightly sticky and slightly plastic; many very fine and fine and few medium and coarse roots; many very fine interstitial pores; 5 percent cobbles and 20 percent gravel; moderately acid (pH 6.0); abrupt wavy boundary.
R—33 centimeters; hard, fractured andesitic bedrock; fractures more than 10 centimeters apart.

Type location: Alpine County, California; Lake Tahoe Basin; 1 mile southeast of Meiss Lake; NW$^1/_4$NW$^1/_4$ sec. 10, T. 10 N., R. 18 E.; Mount Diablo Base and Meridian; USGS quadrangle: Carson Pass, California.

Range in characteristics

Soil moisture regime: Typic xeric
Mean annual soil temperature: 4 to 7 degrees C
Mean summer soil temperature: 12 to 15 degrees C
Depth to bedrock: 25 to 50 centimeters to hard andesitic bedrock
Base saturation: Less than 50 percent throughout the upper 18 to 25 centimeters of the soils
Content of organic matter: As high as 12 percent, decreasing regularly with increasing depth
Bulk density: 0.85 to 1.0; however, the exchange complex is dominated by amorphous material.
Glass content: 5 to 10 percent in the fraction less than 2 millimeters in size
15-bar water retention: About 14 to 20 percent

Figure 32.—Typical profile of a Meiss soil.

A horizons:

Hue—10YR or 7.5YR

Value—4 or 5 dry; when moist, 3 in the upper 17 centimeters after mixing and 3 or 4 below 17 centimeters

Chroma—2 to 4 dry; when moist, 3 in the upper part and 3 or 4 in the lower part

Texture of the fine-earth fraction—loam or sandy loam
Content of rock fragments—15 to 30 percent gravel, cobbles, or stones
Reaction—neutral to moderately acid

Melody Series

The Melody series consists of shallow, excessively drained soils that formed in colluvium over residuum weathered from volcanic rocks. These soils are on shoulders and the tops of ridges in the mountains. Slopes range from 9 to 70 percent. The mean annual precipitation is about 1,000 millimeters, and the mean annual air temperature is about 5 degrees C.

Taxonomic classification: Ashy-skeletal, mixed Lithic Vitricryands

Typical pedon

Melody very cobbly ashy sandy loam, on a northeast-facing (25-degree) slope of 43 percent, at an elevation of 2,270 meters, in an area of Melody-Rock outcrop complex, 30 to 50 percent slopes.

When described on 7/21/1999, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

Oi—0 to 3 centimeters; moderately decomposed plant material
A—3 to 8 centimeters; grayish brown (10YR 5/2) very cobbly ashy sandy loam, very dark grayish brown (10YR 3/2) moist; 70 percent sand; 7 percent clay; weak fine granular and weak fine subangular blocky structure; friable; common very fine and fine roots and few medium and coarse roots; common very fine and fine interstitial pores; 14 percent gravel and 30 percent cobbles; strongly acid (pH 5.4); gradual smooth boundary. (Laboratory sample number 00P02502)
AC—8 to 23 centimeters; yellowish brown (10YR 5/4) very cobbly ashy sandy loam, dark brown (10YR 3/3) moist; 75 percent sand; 6 percent clay; weak very fine subangular blocky and weak fine and medium granular structure; friable; common very fine, fine, medium, and coarse roots; common very fine and fine interstitial pores; 12 percent gravel and 45 percent cobbles; strongly acid (pH 5.4); gradual smooth boundary. (Laboratory sample number 00P02503)
C—23 to 38 centimeters; brownish yellow (10YR 6/6) very cobbly ashy sandy loam, dark brown (10YR 3/3) moist; 75 percent sand; 6 percent clay; massive; common very fine and fine interstitial pores; very friable; common very fine, fine, and medium roots; 13 percent gravel and 45 percent cobbles; strongly acid (pH 5.4). (Laboratory sample number 00P02504)
R—38 centimeters; strongly cemented andesitic lahar.

Type location: Placer County, California; on the east-facing slope of Barker Peak; 427 meters west and 271 meters south of the northeast corner of sec. 8, T. 14 N., R. 16 E.; 39 degrees 4 minutes 47 seconds north latitude and 120 degrees 13 minutes 59 seconds west longitude; NAD83; USGS quadrangle: Homewood, California.

Range in characteristics

These soils are usually moist in the moisture control section. They are moist in fall, winter, and spring and are usually dry from July to early October. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 2 to 5 degrees C
Depth to lithic contact: 25 to 50 centimeters

Content of rock fragments: 35 to 60 percent (10 to 35 percent gravel, 20 to 50 percent cobbles, 0 to 5 percent stones, and 0 to 2 percent boulders)
Content of clay: Averages 0 to 5 percent
Mineralogy: Mixed

A horizon:
Hue—10YR
Value—4 or 5 dry, 2 to 4 moist
Chroma—2 to 4 dry or moist
Texture of the fine-earth fraction—ashy sandy loam
Content of clay—2 to 18 percent
Content of organic matter—8 to 20 percent
Content of rock fragments—35 to 60 percent (10 to 35 percent gravel, 20 to 40 percent cobbles, and 0 to 2 percent stones)
Reaction—strongly acid to slightly acid

AC horizon:
Hue—10YR
Value—4 or 5 dry, 2 to 4 moist
Chroma—3 or 4 dry, 2 to 4 moist
Texture of the fine-earth fraction—ashy sandy loam
Content of clay—2 to 18 percent
Content of organic matter—4 to 10 percent
Content of rock fragments—35 to 60 percent (15 to 35 percent gravel, 12 to 35 percent cobbles, and 0 to 2 percent stones)
Reaction—strongly acid to slightly acid

C horizon(s):
Hue—10YR
Value—5 or 6 dry, 3 to 5 moist
Chroma—4 or 6 dry, 3 or 4 moist
Texture of the fine-earth fraction—ashy sandy loam
Content of clay—2 to 18 percent
Content of organic matter—2 to 8 percent
Content of rock fragments—35 to 65 percent (10 to 35 percent gravel and 25 to 55 percent cobbles)
Reaction—strongly acid to slightly acid

Mountrose Series

The Mountrose series consists of very deep, well drained soils that formed in colluvium derived from volcanic rocks. These soils are on shoulders and side slopes in the mountains. Slopes range from 30 to 70 percent. The mean annual precipitation is about 1,200 millimeters, and the mean annual air temperature is about 5 degrees C.

Taxonomic classification: Medial-skeletal, amorphic Xeric Vitricryands

Typical pedon

Mountrose medial loamy coarse sand, on a southeast-facing (140-degree) slope of 40 percent, at an elevation of 2,766 meters, in an area of Mountrose-Wardcreek-Melody complex, 50 to 70 percent slopes.

When described on 9/19/2003, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

A—0 to 9 centimeters; pale brown (10YR 6/3) medial loamy coarse sand, very dark

grayish brown (10YR 3/2) moist; 85 percent sand; 12 percent silt; 3 percent clay; weak fine granular structure; soft, very friable, nonsticky and nonplastic; many fine and very fine roots throughout; many very fine interstitial pores; 10 percent gravel; slightly acid (pH 6.4) by chlorophenol red; abrupt smooth boundary.

Bw1—9 to 38 centimeters; dark yellowish brown (10YR 4/4) gravelly medial coarse sandy loam, brown (7.5YR 4/3) moist; weak fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine, fine, and medium roots throughout; common very fine interstitial pores; 10 percent gravel and 5 percent cobbles; slightly acid (pH 6.4) by chlorophenol red; abrupt smooth boundary.

Bw2—38 to 74 centimeters; yellowish brown (10YR 5/4) extremely cobbly medial sandy loam, dark yellowish brown (10YR 3/4) moist; weak fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; few medium and common coarse roots throughout; 10 percent gravel and 50 percent cobbles; slightly acid (pH 6.4) by chlorophenol red; clear smooth boundary.

Bw3—74 to 150 centimeters; yellowish brown (10YR 5/4) extremely gravelly medial sandy loam, dark yellowish brown (10YR 3/4) moist; weak fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; few medium roots throughout; 15 percent cobbles and 50 percent gravel; slightly acid (pH 6.2) by chlorophenol red.

Type location: Washoe County, Nevada; on the south side of Mt. Baldy; 573 meters north and 377 meters west of the southeast corner of sec. 6, T. 16 N., R. 18 E., 39 degrees 16 minutes 41 seconds north latitude and 119 degrees 59 minutes 54.9 seconds west longitude; NAD83; USGS quadrangle: Mount Rose, Nevada.

Range in characteristics

These soils are usually moist in the moisture control section. They are moist in fall, winter, and spring and usually are dry from July to early October. The soils have a typic xeric moisture regime.

Base saturation: Less than 35 percent (by sum of cations); typically, 5 to 25 percent

Particle-size control section: 0 to 100 centimeters
- Content of rock fragments—10 to 75 percent (10 to 60 percent gravel, 0 to 60 percent cobbles, and 0 to 5 percent stones)
- Content of clay—averages 2 to 15 percent
- Mineralogy—amorphic

NZ phosphorus retention: 85 to 100 percent throughout most of the profile

Al + ½ Fe percentages (by ammonium oxalate): 2 to 4 percent throughout most of the profile

A horizon:
- Hue—10YR or 7.5YR
- Value—6 dry, 3 moist
- Chroma—3 dry, 2 moist
- Texture of the fine-earth fraction—loamy coarse sand, coarse sandy loam, sandy loam, or loam
- Content of clay—2 to 10 percent
- Content of organic matter—5 to 17 percent
- Content of rock fragments—0 to 35 percent (5 to 35 percent gravel and 0 to 15 percent cobbles)
- Reaction—pH of 5.6 to 7.3

Bw horizons:
- Hue—7.5YR or 10YR

Value—4 or 5 dry, 3 to 5 moist
Chroma—4 dry, 3 or 4 moist
Texture of the fine-earth fraction—coarse sandy loam, sandy loam, or loam
Content of clay—2 to 10 percent
Content of organic matter—1 to 10 percent
Content of rock fragments—15 to 75 percent (0 to 60 percent cobbles and 10 to 60 percent gravel)
Reaction—pH of 5.6 to 7.3

C horizon (where present):
Hue—10YR
Value—4 to 6 dry, 3 to 5 moist
Chroma—4 dry, 3 or 4 moist
Texture of the fine-earth fraction—coarse sandy loam, sandy loam, or loam
Content of clay—2 to 10 percent
Content of organic matter—0.5 to 8 percent
Content of rock fragments—15 to 75 percent (0 to 60 percent cobbles 10 to 60 percent gravel)
Reaction—pH of 5.6 to 7.3

Oneidas Series

The Oneidas series consists of very deep, poorly drained soils that formed in outwash derived from mixed materials. These soils are on outwash terraces. Slopes range from 0 to 15 percent. The mean annual precipitation is about 800 millimeters, and the mean annual air temperature is about 6 degrees C.

Taxonomic classification: Coarse-loamy, mixed, active, frigid Fragiaquic Haploxeralfs

Typical pedon

Oneidas coarse sandy loam, on a northwest-facing (315-degree) slope of 1 percent, at an elevation of 1,957 meters, in an area of Oneidas coarse sandy loam, 0 to 5 percent slopes.

When described on 8/15/1968, the soil was dry above 190 centimeters and moist below that depth. Colors are for dry soil unless otherwise indicated.

Oi—0 to 3 centimeters; slightly decomposed plant material. (Laboratory sample number 68C0627)
A1—3 to 10 centimeters; brown (7.5YR 5/4) coarse sandy loam, dark brown (7.5YR 3/2) moist; weak thin and medium platy structure; slightly hard, very friable, nonsticky and nonplastic; common very fine roots; few very fine and fine interstitial pores; 8 percent gravel; moderately acid (pH 5.7) by Hellige-Truog; abrupt wavy boundary. (Laboratory sample number 68C0628)
A2—10 to 23 centimeters; brown (7.5YR 5/4) coarse sandy loam, dark brown (7.5YR 3/2) moist; weak medium and coarse subangular blocky structure; soft, very friable, nonsticky and nonplastic; few fine and medium and common very fine roots; few fine tubular and very fine interstitial pores; 5 percent gravel; moderately acid (pH 5.8) by Hellige-Truog; clear wavy boundary. (Laboratory sample number 68C0629)
Bt—23 to 30 centimeters; reddish yellow (7.5YR 6/6) coarse sandy loam, reddish brown (5YR 4/4) moist; weak medium and coarse subangular blocky structure; soft, very friable, nonsticky and nonplastic; many fine, medium, and coarse roots; few fine tubular and medium interstitial pores; clay bridges and few clay films in

root channels and pores; 10 percent gravel; moderately acid (pH 5.8) by Hellige-Truog; abrupt wavy boundary. (Laboratory sample number 68C0630)

Btx1—30 to 38 centimeters; reddish yellow (7.5YR 6/6) coarse sandy loam, reddish brown (5YR 4/4) moist; massive; hard, very friable, brittle, nonsticky and nonplastic; many fine, medium, and coarse roots; few fine tubular and very fine interstitial pores; clay bridges in root channels and pores and many strong brown (7.5YR 5/6 dry) clay films; medium very pale brown (10YR 8/2 dry) iron depletions; 10 percent gravel; strongly acid (pH 5.6) by Hellige-Truog; abrupt wavy boundary. (Laboratory sample number 68C0631)

Btx2—38 to 51 centimeters; light brown (7.5YR 6/3) coarse sandy loam, brown (7.5YR 4/4) moist; massive; hard, friable, brittle, nonsticky and nonplastic; many fine and few very fine and medium roots; many very fine and few fine interstitial pores; common clay films and bridges; few strong brown (7.5YR 5/6 dry) masses of oxidized iron; 10 percent gravel; strongly acid (pH 5.6) by Hellige-Truog; clear wavy boundary. (Laboratory sample number 68C0632)

Btx3—51 to 76 centimeters; light yellowish brown (10YR 6/4) sandy loam, strong brown (7.5YR 4/6) moist; massive; hard, friable, brittle, moderately sticky and moderately plastic; few very fine and fine roots; few fine interstitial and common very fine tubular pores; very few clay films and bridges; few strong brown (7.5YR 5/6 dry) masses of oxidized iron; very pale brown (10YR 8/3 dry) iron depletions; 1 percent stones and 10 percent gravel; moderately acid (pH 5.8) by Hellige-Truog; abrupt wavy boundary. (Laboratory sample number 68C0633)

Btx4—76 to 114 centimeters; pale brown (10YR 6/3) coarse sandy loam, brown (10YR 4/3) moist; massive; very hard, friable, brittle, moderately sticky and moderately plastic; few very fine and fine roots; few fine and common very fine interstitial pores; common reddish yellow (7.5YR 6/8) iron stains; reddish yellow (7.5YR 6/8 dry) masses of oxidized iron and very pale brown (10YR 7/3 moist) iron depletions; 10 percent gravel; moderately acid (pH 5.8) by Hellige-Truog; clear wavy boundary. (Laboratory sample number 68C0634)

Btx5—114 to 165 centimeters; strong brown (7.5YR 5/6) gravelly coarse sandy loam, dark yellowish brown (10YR 4/4) moist; massive; very hard, friable, brittle, slightly sticky and moderately plastic; few fine and medium roots; common very fine and fine interstitial pores; many thin and few moderately thick dark reddish brown (5YR 3/3) clay films occurring as bridges; few reddish brown (5YR 4/4 moist) and prominent yellowish red (5YR 5/8 moist) iron stains; many very pale brown (10YR 8/2 dry) iron depletions and reddish brown (5YR 4/4 moist) and yellowish red (5YR 5/8 moist) masses of oxidized iron; 20 percent gravel; moderately acid (pH 5.8) by Hellige-Truog; diffuse smooth boundary. (Laboratory sample number 68C0635)

BC—165 to 193 centimeters; reddish yellow (7.5YR 6/6) gravelly coarse sandy loam, brown (7.5YR 4/4) moist; massive; very hard, friable, slightly sticky and moderately plastic; few fine and medium roots; common very fine and fine interstitial pores; common moderately thick and few thin clay films occurring as bridges and on sand grains; few coarse and common fine strong brown (7.5YR 5/8 moist) iron stains; many very pale brown (10YR 8/2 dry) iron depletions and common medium and prominent reddish yellow (5YR 6/6 dry) masses of oxidized iron; 20 percent indurated, 2- to 75-millimeter pebbles that are not flat; moderately acid (pH 6.0) by Hellige-Truog; gradual irregular boundary. (Laboratory sample number 68C0636)

C1—193 to 234 centimeters; brown (7.5YR 4/4) gravelly coarse sandy loam, yellowish brown (10YR 5/6) moist; massive; very hard, very friable, nonsticky and slightly plastic; few fine and medium roots; few fine and many very fine interstitial pores; many clay bands with hue of 7.5YR; common very pale brown (10YR 8/2 dry) iron depletions and common moderately thick dark reddish brown (5YR 3/3

moist) masses of oxidized iron; many medium distinct (7.5YR) redoximorphic concentrations; 10 percent gravel and 10 percent cobbles; slightly acid (pH 6.2) by Hellige-Truog; gradual wavy boundary. (Laboratory sample number 68C0637)

C2—234 to 292 centimeters; very pale brown (10YR 8/3) loamy coarse sand, brown (10YR 5/3) moist; massive; hard, very friable, nonsticky and nonplastic; few fine and many very fine interstitial pores; common yellowish brown (10YR 5/6) and many dark reddish brown (5YR 3/4) lamellae; many very pale brown (10YR 8/2 moist) iron depletions; slightly acid (pH 6.3) by Hellige-Truog; abrupt wavy boundary. (Laboratory sample number 68C0638)

C3—292 to 450 centimeters; very pale brown (10YR 8/2), stratified stony coarse sand to loamy coarse sand, brown (10YR 4/3) moist; massive; slightly hard, very friable; few fine and many very fine interstitial pores; few yellowish brown (10YR 5/6) lamellae; 10 percent gravel; slightly acid (pH 6.3) by Hellige-Truog; gradual wavy boundary. (Laboratory sample number 68C0639)

C4—450 to 495 centimeters; very pale brown (10YR 7/4) loamy sand, yellowish brown (10YR 5/4) moist; massive; slightly hard, very friable, nonsticky and nonplastic; few fine and many very fine interstitial pores; many faint yellowish brown (10YR 5/8 moist) iron stains; slightly acid (pH 6.3) by Hellige-Truog; clear smooth boundary. (Laboratory sample number 68C0640)

C5—495 to 511 centimeters; yellowish brown (10YR 5/6) coarse sand, yellowish brown (10YR 5/4) moist; massive; soft, very friable, nonsticky and nonplastic; few fine and many very fine interstitial pores; many faint yellowish brown (10YR 5/8 moist) iron stains; slightly acid (pH 6.3) by Hellige-Truog. (Laboratory sample number 68C0641)

Type location: El Dorado County, California; 100 feet south of a dirt road extension of Oneidas Street, 1.3 miles northeast of Meyers, and 3 meters east of sample site S67Calif-9-13; 823 meters east and 61 meters south of the northwest corner of sec. 28, T. 12 N., R. 18 E.; 38 degrees 51 minutes 52 seconds north latitude and 119 degrees 59 minutes 36 seconds west longitude; NAD83; USGS quadrangle: Freel Peak, California.

Range in characteristics

These soils are usually moist in some part between depths of 20 and 61 centimeters most of the year, but they are dry in all parts from July until October. The soils are commonly saturated on top of the Btx horizons during spring snowmelt. They have an aquic xeric moisture regime.

Depth to a seasonal high water table: Zones of saturation beginning at a depth of 25 to 50 centimeters (in the horizons with fragic properties)

Percentage of the surface covered by rock fragments: 0 to 25 percent (0 to 15 percent by gravel, 0 to 5 percent by cobbles, and 0 to 5 percent by stones)

Base saturation: 35 to 100 percent (by ammonium acetate)

Depth to redoximorphic features: 25 to 50 centimeters

Content of rock fragments: 0 to 20 percent (0 to 20 percent gravel, 0 to 15 percent cobbles, and 0 to 5 percent stones)

Content of clay: Averages 5 to 18 percent

Mineralogy: Mixed

A horizons:

Hue—7.5YR or 10YR

Value—4 or 5 dry, 3 or 4 moist

Chroma—3 or 4 dry, 2 to 4 moist

Content of organic matter—2 to 6 percent

Texture of the fine-earth fraction—coarse sandy loam or sandy loam
Content of rock fragments—0 to 15 percent, mostly gravel
Reaction—strongly acid to slightly acid

Bt horizon:
Hue—7.5YR or 5YR
Value—4 to 6 dry, 4 or 5 moist
Chroma—4 to 6 dry, 4 or 5 moist
Content of organic matter—0.5 to 2 percent
Texture of the fine-earth fraction—coarse sandy loam
Content of rock fragments—0 to 15 percent, mostly gravel
Reaction—strongly acid to slightly acid

Btx horizons:
Hue—7.5YR, 5YR, or 10YR
Value—4 to 6 dry, 4 or 5 moist
Chroma—3 to 6 dry or moist
Content of organic matter—0.05 to 0.4 percent
Iron depletions—hue of 10YR, value of 4 to 8, and chroma of 1 to 3
Masses of oxidized iron—hue of 7.5YR, 5YR, or 10YR; value of 4 to 6; and chroma of 4 to 8
Texture of the fine-earth fraction—coarse sandy loam, sandy loam, or sandy clay loam
Content of rock fragments—0 to 20 percent (0 to 20 percent gravel and 0 to 15 percent cobbles and stones)
Reaction—strongly acid to slightly acid

C horizons:
Hue—10YR
Value—6 to 8 dry, 4 to 6 moist
Chroma—2 to 6 dry, 2 to 6 moist
Content of organic matter—0.05 to 0.4 percent
Iron depletions—hue of 10YR, value of 4 to 8, and chroma of 1 to 3
Masses of oxidized iron—hue of 5YR, 7.5YR, or 10YR; value of 3 to 6; and chroma of 3 to 8
Texture of the fine-earth fraction—coarse sand, loamy coarse sand, coarse sandy loam, or sandy loam
Content of rock fragments—0 to 20 percent (0 to 20 percent gravel and 0 to 5 percent cobbles and stones)
Reaction—slightly acid or neutral

Oxyaquic Cryorthents

The Oxyaquic Cryorthents in this survey area consist of very deep, somewhat poorly drained soils that formed in alluvium and colluvium derived from mixed sources. These soils are in riparian corridors. Slopes range from 0 to 15 percent. The mean annual precipitation is about 750 millimeters, and the mean annual air temperature is about 5 degrees C.

Taxonomic classification: Oxyaquic Cryorthents

Reference pedon

Oxyaquic Cryorthents, on a west-facing (290-degree) slope of 9 percent, at an elevation of 2,323 meters, in an area of Oxyaquic Cryorthents-Aquic Xerorthents-Tahoe complex, 0 to 15 percent slopes.

When described on 11/03/1999, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

O—0 to 2 centimeters; slightly decomposed plant material.

A1—2 to 5 centimeters; brown (7.5YR 5/4) gravelly loamy coarse sand, dark brown (7.5YR 3/2) moist; 81 percent sand; 6 percent clay; weak thick platy and fine granular structure; many very fine roots; 21 percent gravel and 5 percent cobbles; strongly acid (pH 5.5); clear smooth boundary. (Laboratory sample number 00P2234)

A2—5 to 13 centimeters; dark yellowish brown (10YR 4/4) gravelly loamy coarse sand, dark brown (7.5YR 3/3) moist; 82 percent sand; 5 percent clay; weak fine, medium, and very fine subangular blocky and weak fine granular structure; soft, very friable; common very fine, fine, medium, and coarse roots; 21 percent gravel; strongly acid (pH 5.5); clear smooth boundary. (Laboratory sample number 00P2235)

Bw—13 to 23 centimeters; brown (7.5YR 4/4) gravelly loamy coarse sand, dark brown (7.5YR 3/4) moist; 83 percent sand; 5 percent clay; weak fine, medium, and coarse subangular blocky and weak fine granular structure; slightly hard, friable; common very fine, fine, medium, and very coarse roots; 18 percent gravel; moderately acid (pH 5.7); clear smooth boundary. (Laboratory sample number 00P2236)

C1—23 to 51 centimeters; strong brown (7.5YR 5/6) gravelly loamy coarse sand, reddish brown (5YR 4/4) moist; 83 percent sand; 5 percent clay; weak medium, coarse, and fine subangular blocky and weak very fine granular structure; soft, friable, nonsticky and nonplastic; few fine, common medium and coarse, and few very coarse roots; common fine discontinuous and common very fine discontinuous tubular pores; 22 percent gravel and 5 percent cobbles; moderately acid (pH 5.7); clear smooth boundary. (Laboratory sample number 00P2237)

C2—51 to 81 centimeters; strong brown (7.5YR 4/6) gravelly loamy coarse sand, reddish brown (5YR 4/4) moist; 85 percent sand; 4 percent clay; weak fine and medium subangular blocky and weak very fine granular structure; slightly hard, friable, nonsticky and nonplastic; few fine, common medium and coarse, and few very coarse roots; common fine discontinuous and common very fine discontinuous tubular pores; 26 percent gravel and 10 percent cobbles; moderately acid (pH 5.7); clear smooth boundary. (Laboratory sample number 00P2238)

C3—81 to 132 centimeters; very pale brown (10YR 7/4) very gravelly coarse sand, brown (10YR 4/3) moist; 91 percent sand; 1 percent clay; weak very fine granular structure and single grained; slightly hard; few fine and medium roots; 28 percent gravel and 20 percent cobbles; moderately acid (pH 5.7); clear smooth boundary. (Laboratory sample number 00P2239)

C4—132 to 203 centimeters; very pale brown (10YR 8/3) and yellow (10YR 7/6) gravelly coarse sand, brown (10YR 5/3) and yellowish brown (10YR 5/6) moist; 87 percent sand; 1 percent clay; massive parting to single grained; loose when dry, loose when moist, nonsticky and nonplastic when wet; 7 percent gravel; slightly acid (pH 6.1); clear smooth boundary. (Laboratory sample number 00P2240)

C5—203 to 284 centimeters; brownish yellow (10YR 6/6) coarse sand, yellowish brown (10YR 5/4) moist; massive parting to single grained; loose, nonsticky and nonplastic; 5 percent gravel; moderately acid (pH 5.8). (Laboratory sample number 00P2241)

This reference pedon is an example of the soils within this category. Because of the highly variable nature of these soils, this pedon is not necessarily representative of the Oxyaquic Cryorthents throughout the survey area. The soils have a coarse-loamy particle-size control section in some areas and a loamy-skeletal one in others.

Type location: Carson City Rural Area, Nevada; 50 meters south and 50 meters west of the northeast corner of sec. 25, T. 15 N., R. 18 E.; 39 degrees 8 minutes 29 seconds north latitude and 119 degrees 53 minutes 57 seconds west longitude; NAD83; USGS quadrangle: Marlette Lake, Nevada

Range in characteristics

These soils are dry in all parts of the soil moisture control section for 45 or more consecutive days in the 4 months following the summer solstice and are moist in all parts for 45 or more consecutive days in the 4 months following the winter solstice in most years. The soils have an aquic xeric moisture regime.

Mean annual soil temperature: 2 to 8 degrees C
Depth to a seasonal high water table: 50 to 100 centimeters
Flooding: Frequent
Ponding: None
Depth to redoximorphic features: 50 to 150 centimeters

Particle-size control section:
- Content of rock fragments—5 to 60 percent, dominantly gravel
- Mineralogy—mixed

A horizons:
- Hue—7.5YR
- Value—4 or 5 dry, 3 moist
- Chroma—4 dry, 2 or 3 moist
- Content of organic matter—3 to 12 percent
- Texture of the fine-earth fraction—loamy coarse sand
- Content of clay—3 to 8 percent
- Content of rock fragments—20 to 30 percent
- Reaction—strongly acid to slightly acid

Bw horizon:
- Hue—7.5YR
- Value—4 dry, 3 moist
- Chroma—4 dry or moist
- Content of organic matter—0.5 to 3 percent
- Texture of the fine-earth fraction—loamy coarse sand
- Content of clay—10 percent
- Content of rock fragments—15 to 25 percent
- Reaction—strongly acid to slightly acid

C horizons:
- Hue—10YR, 7.5YR, or 5YR
- Value—4 to 8 dry, 4 or 5 moist
- Chroma—3 to 6 dry or moist
- Content of organic matter—0 to 1.5 percent
- Texture of the fine-earth fraction—loamy coarse sand or coarse sand
- Content of clay—7 percent
- Content of rock fragments—5 to 50 percent
- Reaction—strongly acid to slightly acid

Oxyaquic Xerorthents

The Oxyaquic Xerorthents in this survey area consist of very deep, well drained soils that formed in earthy fill derived from granodiorite. These soils are on filled marshland. Slopes range from 0 to 5 percent. The mean annual precipitation is about 580 millimeters, and the mean annual air temperature is about 6.5 degrees C.

Taxonomic classification: Oxyaquic Xerorthents

Reference pedon

Oxyaquic Xerorthents, on a slope of 0 percent, at an elevation of 1,899 meters, in an area of Oxyaquic Xerorthents-Water association, 0 to 5 percent slopes.

When described on 7/31/2003, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

C—0 to 91 centimeters; yellowish brown (10YR 5/6) very gravelly coarse sand; massive parting to single grained; 50 percent gravel; abrupt smooth boundary.

Ab1—91 to 111 centimeters; mucky silt loam, black (10YR 2/1) rubbed and moist; 13 percent clay; weak fine subangular blocky and moderate fine granular structure; soft, very friable, nonsticky and nonplastic; many very fine, fine, and medium roots throughout; 2 percent strong brown (7.5YR 5/6 moist) masses of oxidized iron; slightly acid (pH 6.2) by bromthymol blue; abrupt smooth boundary.

Ab2—111 to 121 centimeters; mucky silt loam, very dark grayish brown (10YR 3/2) rubbed and moist; 13 percent clay; moderate medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine and fine and many medium roots throughout; common very fine tubular pores; 5 percent dark red (2.5YR 3/6 moist) masses of oxidized iron; slightly acid (pH 6.4) by bromthymol blue; abrupt smooth boundary.

Ab3—121 to 134 centimeters; gravelly coarse sand, very dark grayish brown (10YR 3/2) rubbed and moist; 95 percent sand; single grained; loose when dry, loose when moist, nonsticky and nonplastic when wet; common fine and medium roots throughout; many fine interstitial pores; 3 percent 5- to 75-millimeter pebbles and 30 percent 2- to 5-millimeter pebbles; neutral (pH 7.2) by bromthymol blue; abrupt smooth boundary.

Ab4—134 to 159 centimeters; mucky silt loam, black (10YR 2/1) rubbed and moist; 13 percent clay; moderate medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common fine and very fine roots throughout; neutral (pH 7.0) by bromthymol blue.

This reference pedon is an example of the soils within this category. Because of the highly variable nature of these soils, this pedon is not necessarily representative of the Oxyaquic Xerorthents throughout the survey area. The soils have a coarse-loamy particle-size control section in some areas and a loamy-skeletal one in others.

Type location: El Dorado County, California; by the tennis court at the intersection of Venice Drive and Emerald Road, in the Tahoe Keys in South Lake Tahoe, California; 2,256 meters north and 589 meters east of the southwest corner of sec. 5, T. 12 N., R. 18 E.; 38 degrees 55 minutes 45 seconds north latitude and 120 degrees 0 minutes 58 seconds west longitude; NAD83; USGS quadrangle: Emerald Bay, California.

Range in characteristics

These soils are usually dry for 45 to 75 consecutive days in late summer and early fall and are moist the rest of the year. They have a typic xeric moisture regime.

Depth to a seasonal high water table: 30 to 183 centimeters, depending on the lake level
Content of organic matter: 0 to 1 percent
Reaction: Strongly acid to slightly acid

Particle-size control section:
Content of rock fragments—0 to 55 percent gravel
Content of clay—averages 0 to 5 percent
Mineralogy—mixed

Paige Series

The Paige series consists of very deep, well drained soils that formed in colluvium over till derived from volcanic rocks (fig. 33). These soils are on moraines. Slopes range from 5 to 60 percent. The mean annual precipitation is about 1,372 millimeters, and the mean annual air temperature is about 6 degrees C.

Taxonomic classification: Medial, mixed, frigid Humic Vitrixerands

Typical pedon

Paige medial sandy loam, on an east-facing (80-degree) slope of 8 percent, at an elevation of 2,136 meters, in an area of Paige medial sandy loam, 5 to 15 percent slopes.

When described on 10/19/2001, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

Oi—0 to 8 centimeters; slightly decomposed plant material.
A1—8 to 25 centimeters; brown (10YR 5/3) medial sandy loam, very dark brown (10YR 2/2) moist; 70 percent sand; 26 percent silt; 4 percent clay; moderate medium angular blocky structure; soft, very friable; few fine and very fine roots throughout; many very fine interstitial pores; 5 percent gravel and 1 percent cobbles; slightly acid (pH 6.6); clear smooth boundary.
A2—25 to 51 centimeters; brown (10YR 5/3) medial sandy loam, very dark brown (10YR 2/2) moist; 70 percent sand; 26 percent silt; 4 percent clay; moderate medium granular structure; soft, very friable; common fine, medium, and coarse roots throughout; common very fine interstitial pores; 5 percent gravel and 1 percent cobbles; slightly acid (pH 6.6); clear smooth boundary.
Bw1—51 to 91 centimeters; pale brown (10YR 6/3) cobbly medial sandy loam, dark yellowish brown (10YR 4/4) moist; 70 percent sand; 24 percent silt; 6 percent clay; weak medium subangular blocky structure; soft, very friable; common fine, many medium, and few coarse roots throughout; few very fine interstitial and few very fine dendritic tubular pores; 5 percent gravel and 10 percent cobbles; slightly acid (pH 6.2); clear smooth boundary.
Bw2—91 to 122 centimeters; very pale brown (10YR 7/3) cobbly medial sandy loam, dark yellowish brown (10YR 4/4) moist; 70 percent sand; 24 percent silt; 6 percent clay; moderate medium subangular blocky structure; soft, very friable; common fine and medium roots throughout; few very fine dendritic tubular pores; 5 percent gravel and 10 percent cobbles; slightly acid (pH 6.2); clear smooth boundary.
2Bw3—122 to 157 centimeters; light gray (10YR 7/2) cobbly loam, yellowish brown (10YR 5/4) moist; 50 percent sand; 35 percent silt; 15 percent clay; strong medium angular blocky structure; soft, very friable; few fine and medium roots throughout; common very fine dendritic tubular pores; yellowish red (5YR 4/6)

Figure 33.—Typical profile of a Paige soil.

and yellowish brown (10YR 5/6) redoximorphic concentrations; 5 percent gravel and 10 percent cobbles; moderately acid (pH 6.0); abrupt smooth boundary.
3Cd—157 centimeters; dense glacial till; hard, very firm.

Type location: Placer County, California; 685 meters west and 573 meters south of the northeast corner of sec. 15, T. 15 N., R. 16 E.; 39 degrees 8 minutes 60 seconds north latitude and 120 degrees 11 minutes 52 seconds west longitude; NAD27; USGS quadrangle: Tahoe City, California.

Range in characteristics

These soils are usually moist in the moisture control section during late fall and during winter and spring and are dry from mid-July to early October. They are dry for 60 to 80 consecutive days in the 4 months following the summer solstice. The soils have a typic xeric moisture regime.

Percentage of the surface covered by rock fragments: 0 to 5 percent by gravel and cobbles
Base saturation: Less than 60 percent (by ammonium acetate); typically very low because of high amounts of aluminum
Content of rock fragments: 2 to 20 percent (0 to 15 percent gravel and 0 to 15 percent cobbles)
Mineralogy: Mixed

A horizons:
- Hue—10YR
- Value—4 or 5 dry, 2 or 3 moist
- Chroma—3 or 4 dry, 2 or 3 moist
- Content of organic matter—5 to 10 percent
- Texture of the fine-earth fraction—sandy loam
- Content of clay—2 to 8 percent
- Content of rock fragments—2 to 15 percent (2 to 15 percent gravel and 0 to 5 percent cobbles)
- Reaction—moderately acid to neutral

Bw horizons:
- Hue—10YR
- Value—5 to 7 dry, 3 to 5 moist
- Chroma—3 or 4 dry or moist
- Content of organic matter—2 to 5 percent
- Texture of the fine-earth fraction—sandy loam
- Content of clay—3 to 10 percent
- Content of rock fragments—10 to 25 percent (2 to 10 percent gravel and 5 to 15 percent cobbles)
- Reaction—moderately acid to neutral

2Bw3 horizon:
- Hue—10YR
- Value—6 or 7 dry, 4 to 6 moist
- Chroma—2 or 3 dry, 3 to 6 moist
- Content of organic matter—1 to 2 percent
- Iron-manganese masses—hue of 10YR, 7.5YR, or 5YR; value of 4 or 5; and chroma of 6
- Texture of the fine-earth fraction—loam
- Content of clay—5 to 20 percent
- Content of rock fragments—10 to 20 percent (2 to 10 percent gravel and 5 to 15 percent cobbles)
- Reaction—moderately acid to neutral

Roadcat Series

The Roadcat series consists of very deep, somewhat excessively drained soils that formed in till derived mainly from granitic rocks. These soils are on moraines. Slopes range from 4 to 30 percent. The mean annual precipitation is about 890 millimeters, and the mean annual air temperature is about 6 degrees C.

Taxonomic classification: Sandy-skeletal, mixed, frigid Typic Haploxerepts

Typical pedon

Roadcat extremely gravelly loamy coarse sand, in a forested area of Burnlake-Roadcat association, 4 to 30 percent slopes.

The percentage of the surface covered by rock fragments is as follows: 35 percent by gravel, 5 percent by cobbles, 5 percent by stones, and 5 percent by boulders. Colors are for dry soil unless otherwise indicated.

A—0 to 20 centimeters; brown (10YR 5/3) extremely gravelly loamy coarse sand, dark brown (10YR 3/3) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; many very fine and common fine roots; common very fine interstitial and tubular pores; 60 percent gravel, 5 percent cobbles, and 5 percent stones; slightly acid; clear wavy boundary.

Bw—20 to 48 centimeters; brown (10YR 5/3) extremely gravelly coarse sandy loam, brown (10YR 4/3) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; many very fine and common fine roots; common very fine interstitial and tubular pores; 55 percent gravel and 5 percent cobbles; slightly acid; clear wavy boundary.

C1—48 to 91 centimeters; light brownish gray (10YR 6/2) extremely gravelly loamy coarse sand, dark grayish brown (10YR 4/2) moist; massive; soft, very friable, nonsticky and nonplastic; few very fine and fine roots; common very fine interstitial and tubular pores; 55 percent gravel and 5 percent cobbles; neutral; clear wavy boundary.

C2—91 to 152 centimeters; light brownish gray (10YR 6/2) extremely gravelly loamy coarse sand, dark grayish brown (10YR 4/2) moist; massive; soft, very friable, nonsticky and nonplastic; few very fine and fine roots; many very fine and fine interstitial pores; 70 percent gravel and 5 percent cobbles; neutral.

Type location: Alpine County, California; in the Toiyabe National Forest, in Hope Valley, about 30 feet east of Highway 88; approximately 1,550 feet south and 200 feet east of the northwest corner of sec. 6, T. 10 N., R. 19 E.; 38 degrees 45 minutes 51.4 seconds north latitude and 119 degrees 56 minutes 23.3 seconds west longitude; NAD27; USGS quadrangle: Freel Peak, California.

Range in characteristics

These soils are usually moist in the moisture control section during late fall and during winter and spring and are dry from mid-July through September. They are dry for 60 to 80 consecutive days in the 4 months following the summer solstice. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 7 to 8 degrees C
Mean summer soil temperature: 15 to 17 degrees C
Thickness of the ochric epipedon: 10 to 23 centimeters.
Depth to the base of the cambic horizon: 25 to 53 centimeters.

Particle-size control section:
Content of clay—averages 5 to 10 percent
Content of sand—more than 35 percent medium sand and coarser sand

Content of rock fragments—averages 60 to 80 percent, dominantly gravel
Lithology of the rock fragments—mainly granitic rocks, such as granodiorite

A horizon:
Value—4 or 5 dry, 2 or 3 moist
Chroma—2 or 3 dry or moist
Reaction—moderately acid or slightly acid
Content of organic matter—2 to 4 percent
Base saturation by ammonium acetate—30 to 50 percent

Bw horizon:
Value—5 to 7 dry, 4 or 5 moist
Chroma—2 or 3 dry or moist
Content of clay—8 to 12 percent
Content of rock fragments—60 to 80 percent, dominantly gravel
Reaction—moderately acid to neutral
Base saturation by ammonium acetate—60 to 90 percent

C horizons:
Hue—10YR or 2.5Y
Value—6 or 7 dry, 4 or 5 moist
Chroma—2 or 3 dry or moist
Content of clay—3 to 10 percent
Content of rock fragments—60 to 80 percent, dominantly gravel
Reaction—moderately acid to neutral.
Base saturation by ammonium acetate—60 to 90 percent

Rockbound Series

The Rockbound series consists of shallow or very shallow, excessively drained soils that formed in drift, slope alluvium, and colluvium derived dominantly from granodiorite. Because of glaciation, some areas have a mixture of rock types. These soils are on glacial valley floors and walls in the mountains. Slopes range from 5 to 70 percent. The mean annual precipitation is about 1,499 millimeters, and the mean annual air temperature is about 6 degrees C.

Taxonomic classification: Sandy-skeletal, mixed, frigid Lithic Xerorthents

Typical pedon

Rockbound very gravelly loamy sand, on an east-facing (100-degree) slope of 15 percent, at an elevation of 2,134 meters, in an area of Rock outcrop-Rockbound complex, 5 to 30 percent slopes.

When described on 6/18/2002, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

A—0 to 15 centimeters; brown (10YR 4/3) very gravelly loamy sand, very dark brown (10YR 2/2) rubbed and moist; weak fine granular structure; many very fine roots throughout; 35 percent gravel; moderately acid (pH 5.8); abrupt smooth boundary.
Bw—15 to 20 centimeters; brown (10YR 5/3) very gravelly loamy sand, dark brown (10YR 3/3) rubbed and moist; weak fine granular structure; many very fine roots throughout; 35 percent gravel; moderately acid (pH 5.8); abrupt smooth boundary.
R—20 centimeters; indurated granodiorite bedrock.

Type location: El Dorado County, California; between Grass Lake and Angora Peak; 38 degrees 52 minutes 23 seconds north latitude and 120 degrees 6 minutes 0 seconds west longitude; NAD83; USGS quadrangle: Echo Lake, California.

Range in characteristics

These soils are usually moist but are dry in all parts from mid-July until early October. They have a typic xeric moisture regime.

Depth to lithic contact: 18 to 50 centimeters
Percentage of the surface covered by rock fragments: 20 to 60 percent (5 to 25 percent by boulders, 5 to 20 percent by gravel, 5 to 30 percent by cobbles, and 5 to 30 percent by stones)
Reaction: Strongly acid to slightly acid

Particle-size control section: Consisting of the entire soil minus any organic material on the surface
Content of rock fragments—35 to 60 percent (35 to 60 percent gravel, 0 to 50 percent cobbles, 0 to 50 percent stones, and 0 to 50 percent boulders)
Content of clay—averages 3 to 12 percent
Mineralogy—mixed

A horizon:
Hue—10YR
Value—3 to 5 dry, 2 or 3 moist
Chroma—2 or 3 dry or moist
Content of organic matter—3 to 12 percent
Texture of the fine-earth fraction—loamy sand or loamy coarse sand
Content of rock fragments—35 to 60 percent (5 to 60 percent gravel, 0 to 40 percent cobbles, 0 to 35 percent stones, and 0 to 40 percent boulders)

Bw horizon:
Hue—10YR
Value—4 or 5 dry, 3 or 4 moist
Chroma—3 or 4 dry or moist
Content of organic matter—2 to 5 percent
Texture of the fine-earth fraction—loamy sand or loamy coarse sand
Content of rock fragments—35 to 60 percent (25 to 60 percent gravel, 0 to 10 percent cobbles, and 0 to 10 percent stones)

Shakespeare Series

The Shakespeare series consists of very deep, well drained soils that formed in colluvium over residuum derived from metamorphic rocks. These soils are on mountain flanks. Slopes range from 9 to 50 percent. The mean annual precipitation is about 850 millimeters, and the mean annual air temperature is about 5 degrees C.

Taxonomic classification: Loamy-skeletal, mixed, superactive Xeric Haplocryalfs

Typical pedon

Shakespeare silt loam, 9 to 30 percent slopes, in a forested area.

Colors are for dry soil unless otherwise indicated.

Oi—0 to 3 centimeters; litter of conifer needles.
A1—3 to 5 centimeters; brown (10YR 4/3) silt loam, very dark brown (10YR 2/2) moist; weak fine granular structure; soft, very friable, nonsticky and nonplastic;

few very fine roots; many very fine interstitial pores; moderately acid (pH 6.0); clear wavy boundary.

A2—5 to 13 centimeters; brown (10YR 5/3) very gravelly loam, dark brown (10YR 3/3) moist; weak fine granular structure; slightly hard, friable, slightly sticky and slightly plastic; many very fine and common fine and medium roots; many very fine interstitial and common very fine tubular pores; 35 percent gravel; moderately acid (pH 6.0); clear wavy boundary.

AB—13 to 25 centimeters; pale brown (10YR 6/3) very gravelly loam, brown (10YR 4/3) moist; weak very fine subangular blocky structure; slightly hard, friable, slightly sticky and slightly plastic; common very fine, fine, medium, and coarse roots; common very fine interstitial and common very fine and few fine tubular pores; 40 percent gravel; moderately acid (pH 6.0); clear wavy boundary.

Bt1—25 to 53 centimeters; pale brown (10YR 6/3) very gravelly loam, brown (10YR 4/3) moist; moderate fine and medium subangular blocky structure; slightly hard, friable, slightly sticky and slightly plastic; common very fine, fine, medium, and coarse roots; few very fine interstitial and common very fine and few fine tubular pores; few thin clay films in pores and on faces of peds; 35 percent gravel and 5 percent cobbles; moderately acid (pH 6.0); clear wavy boundary.

Bt2—53 to 86 centimeters; grayish brown (10YR 5/2) very gravelly clay loam, brown (7.5YR 4/2) moist; fine distinct brown (7.5YR 4/4) mottles; moderate fine and medium subangular blocky structure; hard, friable, slightly sticky and slightly plastic; few very fine, fine, medium, and coarse roots; common very fine and few fine tubular pores; common thin and few moderately thick clay films on faces of peds and in pores; 25 percent gravel and 10 percent cobbles; moderately acid (pH 5.8); clear wavy boundary.

C—86 to 155 centimeters; yellowish red (5YR 5/6) silty clay loam, yellowish red (5YR 4/6) moist; common medium faint red (2.5YR 4/6) mottles; massive; very hard, friable, sticky and plastic; few very fine, fine, medium, and coarse roots; strongly acid (pH 5.5).

Type location: Douglas County, Nevada; 4 miles northeast of Zepher Cove, near Genoa Peak; approximately 152 meters west and 305 meters north of S$^{1}/_{4}$ corner sec. 30, T. 14 N., R. 19 E.; Mount Diablo Base and Meridian; USGS quadrangle: Glenbrook, Nevada.

Range in characteristics

These soils have a typic xeric moisture regime.

Mean annual soil temperature: m 6 to 8 degrees C

Mean summer soil temperature: 12 to 15 degrees C.

Content of rock fragments: 25 to 75 percent in any one horizon; average of 35 to 50 percent in the 25- to 75-centimeter section; dominantly gravel and cobbles, but ranging from gravel to boulders

A1 horizon:

Hue—10YR or 2.5Y
Value—4 or 5 dry, 2 or 3 moist
Chroma—2 or 3
Texture of the fine-earth fraction—sandy loam, loam, or silt loam
Reaction—strongly acid to slightly acid

A2 horizon:

Hue—10YR or 2.5Y
Value—6 or 7 dry, 3 or 4 moist
Chroma—2 or 3 moist or dry
Texture of the fine-earth fraction—sandy loam, loam, or silt loam

Reaction—strongly acid to slightly acid
Other features—in some pedons mottles that have hue of 5YR or 10YR, value of 5 to 7, and chroma of 6 to 8 and that are inherited from the parent material and are not the result of pedogenic processes

Bt horizons:
Hue—2.5Y to 7.5YR
Value—5 or 6 dry, 4 or 5 moist
Chroma—2 to 4 dry and moist
Texture of the fine-earth fraction—sandy clay loam, clay loam, or clay
Content of clay—averages 25 to 35 percent
Other features—few or common fine or medium mottles that have hue of 5YR to 10YR, value of 2 to 6, and chroma of 2 to 8 and that are inherited from the parent material and are not the result of pedogenic processes

C horizon:
Hue—5YR to 10YR
Value—5 or 6 dry, 4 or 5 moist
Chroma—4 to 6 dry and moist
Texture of the fine-earth fraction—silty clay loam
Content of clay—averages 27 to 40 percent
Content of rock fragments—0 to 10 percent gravel and 0 to 5 percent cobbles
Other features—few or common fine or medium mottles that have hue of 5YR to 10YR, value of 2 to 6, and chroma of 2 to 8 and that are inherited from the parent material and are not the result of pedogenic processes

Shalgran Series

The Shalgran series consists of shallow, somewhat excessively drained soils that formed in colluvium and residuum derived from granitic rocks. These soils are on mountains. Slopes range from 15 to 75 percent. The mean annual precipitation is about 1,143 millimeters, and the mean annual air temperature is about 3 degrees C.

Taxonomic classification: Sandy-skeletal, mixed, frigid, shallow Dystric Xerorthents

Typical pedon

Shalgran very bouldery coarse sand, in a forested area.

The percentage of the surface covered by rock fragments is as follows: 25 percent by gravel, 5 percent by stones, and 15 percent by boulders. Colors are for dry soil unless otherwise indicated.

A—0 to 8 centimeters; grayish brown (10YR 5/2) very bouldery coarse sand, very dark grayish brown (10YR 3/2) moist; weak fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine and common fine roots; common very fine interstitial pores; 35 percent gravel, 10 percent stones, and 10 percent boulders; slightly acid; clear wavy boundary.
C1—8 to 15 centimeters; light brownish gray (10YR 6/2) very bouldery coarse sand, very dark grayish brown (10YR 3/2) moist; weak fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; many very fine, common fine, common medium, and common coarse roots; common very fine interstitial pores; 35 percent gravel, 10 percent stones, and 10 percent boulders; slightly acid; clear wavy boundary.
C2—15 to 36 centimeters; light brownish gray (10YR 6/2) very bouldery coarse sand, dark grayish brown (10YR 4/2) moist; massive; soft, very friable, nonsticky and

nonplastic; many very fine, many fine, common medium, and common coarse roots; many very fine interstitial pores; 35 percent gravel, 10 percent stones, and 10 percent boulders; slightly acid; clear wavy boundary.
Cr—36 to 61 centimeters; soft, weathered granodiorite with some roots in fractures.

Type location: Alpine County, California; in the Toiyabe National Forest, about 1.5 miles northeast of Luther Pass; approximately 200 feet south and 6,150 feet east of the northwest corner of sec. 13, T. 11 N., R. 18 E.; 38 degrees 48 minutes 26.0 seconds north latitude and 119 degrees 55 minutes 33.2 seconds west longitude; NAD27; USGS quadrangle: Freel Peak, California.

Range in characteristics

These soils are usually moist in the moisture control section. They are moist in fall, winter, and spring and usually are dry from July to early October. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 4 to 7 degrees C
Mean summer soil temperature: 15 to 18 degrees C
Thickness of the ochric epipedon: 8 to 23 centimeters
Depth to bedrock: 25 to 50 centimeters to paralithic contact (contact with weathered granitic bedrock)

Particle-size control section:
Content of clay—averages less than 10 percent
Content of rock fragments—averages 35 to 60 percent
Lithology of the rock fragments—granitic rocks, such as granodiorite

A horizon:
Value—4 or 5 dry, 2 or 3 moist
Chroma—2 or 3 dry or moist
Content of organic matter—2 to 4 percent
Reaction—strongly acid to slightly acid

C horizons:
Value—3 or 4 moist
Chroma—2 or 3 dry or moist
Texture of the fine-earth fraction—coarse sand or loamy coarse sand
Content of clay—3 to 10 percent
Content of rock fragments—35 to 60 percent
Reaction—strongly acid to slightly acid

Sky Series

The Sky series consists of moderately deep, well drained soils that formed in colluvium over residuum weathered from andesitic tuff (fig. 34). These soils are on the upper third of mountain slopes. Slopes range from 9 to 70 percent. The mean annual precipitation is about 1,400 millimeters, and the mean annual air temperature is about 5 degrees C.

Taxonomic classification: Medial-skeletal, amorphic Humic Xeric Vitricryands

Typical pedon

Sky gravelly medial sandy loam, on a north-facing (354-degree) slope of 20 percent, at an elevation of 2,390 meters, in an area of Sky gravelly sandy loam, 9 to 30 percent slopes.

Figure 34.—Typical profile of a Sky soil.

When described on 6/19/2002, the soil was moist throughout. Colors are for moist soil unless otherwise indicated.

Oi—0 to 3 centimeters; slightly decomposed plant material.
Oa—3 to 5 centimeters; highly decomposed plant material.
A—5 to 8 centimeters; gravelly medial sandy loam, very dark gray (7.5YR 3/1) broken face and moist; massive; soft, friable, slightly sticky and slightly plastic; common fine and medium roots throughout; common very fine irregular pores; 5 percent

cobbles and 15 percent subangular pebbles that are not flat; very strongly acid (pH 5.0) by pH meter 1:1 water; abrupt smooth boundary.

E—8 to 13 centimeters; cobbly medial sandy loam, dark grayish brown (10YR 4/2) broken face and moist; weak medium and fine subangular blocky structure; soft, friable, nonsticky and nonplastic; common fine and many medium roots throughout; common very fine irregular pores; 20 percent gravel and 10 percent cobbles; strongly acid (pH 5.3) by pH meter 1:1 water; abrupt smooth boundary.

Bw1—13 to 38 centimeters; very stony medial sandy loam, dark brown (10YR 3/3) broken face and moist; moderate medium and fine subangular blocky structure; soft, friable, slightly sticky and slightly plastic; common fine and medium roots throughout; 5 percent gravel, 20 percent cobbles, and 25 percent stones; strongly acid (pH 5.3) by pH meter 1:1 water; gradual smooth boundary.

Bw2—38 to 61 centimeters; very stony medial sandy loam, dark yellowish brown (10YR 3/6) broken face and moist; moderate fine and medium subangular blocky structure; slightly hard, firm, slightly sticky and slightly plastic; common fine, medium, and coarse roots throughout; 5 percent gravel, 20 percent cobbles, and 25 percent stones; strongly acid (pH 5.4) by pH meter 1:1 water; abrupt wavy boundary.

Cr—61 to 152 centimeters; moderately cemented andesite, dark brown (7.5YR 3/3) broken face and moist.

Type location: Placer County, California; 39 degrees 4 minutes 20 seconds north latitude and 120 degrees 13 minutes 30 seconds west longitude; NAD27; USGS quadrangle: Homewood, California.

Range in characteristics

These soils are usually moist but are dry in all parts from mid-July until early October. They have a typic xeric moisture regime.

Mean annual soil temperature: 3 to 6 degrees C

Percentage of the surface covered by rock fragments (gravel, cobbles, and stones): 0 to 15 percent

Depth to paralithic contact: 50 to 100 centimeters

Reaction: Very strongly acid to moderately acid

Base saturation: Commonly 15 to 30 percent but ranges from 3 to 50 percent

Particle-size control section:

- Content of rock fragments—averaging more than 35 percent throughout the control section but ranging from 15 to 70 percent in individual horizons
- Content of clay—averages 2 to 10 percent
- Mineralogy—amorphic

A horizon:

- Hue—10YR or 7.5YR
- Value—2 or 3 moist
- Chroma—1 to 3 moist
- Content of organic matter—7 to 34 percent
- Texture of the fine-earth fraction—coarse sandy loam or sandy loam
- Content of rock fragments—15 to 35 percent (5 to 30 percent gravel and 0 to 20 percent cobbles)

E horizon (where present):

- Hue—10YR
- Value—4 or 5 moist
- Chroma—2 to 4 moist

Content of organic matter—1 to 8 percent
Texture of the fine-earth fraction—coarse sandy loam or sandy loam
Content of rock fragments—20 to 40 percent (10 to 30 percent gravel and 5 to 25 percent cobbles)

Bw horizons:
Hue—10YR
Value—3 or 4 moist
Chroma—3 to 6 moist
Content of organic matter—1 to 8 percent
Texture of the fine-earth fraction—coarse sandy loam or sandy loam
Content of rock fragments—35 to 60 percent (5 to 35 percent gravel, 5 to 35 percent cobbles, and 5 to 35 percent stones)

Sofgran Series

The Sofgran series consists of very deep, somewhat excessively drained soils that formed in colluvium and residuum derived from granitic rocks. These soils are on mountains. Slopes range from 8 to 50 percent. The mean annual precipitation is about 1,143 millimeters, and the mean annual air temperature is about 3 degrees C.

Taxonomic classification: Sandy-skeletal, mixed Typic Cryorthents

Typical pedon

Sofgran gravelly loamy coarse sand, in a forested area of Sofgran-Klauspeak-Temo association, 15 to 50 percent slopes.

The surface is covered by 1 inch of forest duff consisting of undecomposed pine needles. The percentage of the surface covered by rock fragments is as follows: 20 percent by gravel, 5 percent by cobbles, 1 percent by stones, and 3 percent by boulders. Colors are for dry soil unless otherwise indicated.

A1—0 to 8 centimeters; brown (10YR 5/3) gravelly loamy coarse sand, dark brown (10YR 3/3) moist; weak fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine and common fine roots; common very fine interstitial pores; 25 percent gravel and 5 percent boulders; very strongly acid; clear wavy boundary.

A2—8 to 15 centimeters; brown (10YR 5/3) gravelly loamy coarse sand, dark brown (10YR 3/3) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine and common fine roots; common very fine interstitial and tubular pores; 25 percent gravel; strongly acid; clear wavy boundary.

Bw1—15 to 23 centimeters; pale brown (10YR 6/3) very gravelly loamy coarse sand, brown (10YR 4/3) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine, fine, medium, and coarse roots; common very fine interstitial and tubular pores; 35 percent gravel; strongly acid; clear wavy boundary.

Bw2—23 to 48 centimeters; pale brown (10YR 6/3) very gravelly loamy coarse sand, brown (10YR 4/3) moist; weak medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine, many fine, many medium, and many coarse roots; common very fine interstitial and tubular pores; 25 percent gravel and 10 percent cobbles; strongly acid; clear irregular boundary.

Bw3—48 to 69 centimeters; light yellowish brown (10YR 6/4) very gravelly coarse sand, dark yellowish brown (10YR 4/4) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine,

fine, medium, and coarse roots; common very fine interstitial pores; 30 percent gravel and 5 percent cobbles; strongly acid; clear irregular boundary.

Bw4—69 to 114 centimeters; light yellowish brown (10YR 6/4) extremely gravelly loamy coarse sand, dark yellowish brown (10YR 4/4) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine and common fine roots; common very fine and common fine interstitial pores; 55 percent gravel and 20 percent cobbles; strongly acid; clear wavy boundary.

Bw5—114 to 152 centimeters; light yellowish brown (10YR 6/4) very gravelly loamy coarse sand, yellowish brown (10YR 5/4) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine, few fine, and few medium roots; common very fine interstitial pores; 40 percent gravel and 15 percent cobbles; strongly acid.

Type location: Alpine County, California; in the Toiyabe National Forest, about 0.3 mile southeast of Horse Meadow; approximately 1,500 feet south and 2,550 feet west of the northeast corner of sec. 7, T. 11 N., R. 19 E.; 38 degrees 50 minutes 2.9 seconds north latitude and 119 degrees 53 minutes 24.1 seconds west longitude; NAD27; USGS quadrangle: Freel Peak, California.

Range in characteristics

These soils are usually moist in the moisture control section. They are moist in fall, winter, and spring and usually are dry from July to early October. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 4 to 7 degrees C
Mean summer soil temperature: 7 to 8 degrees C
Thickness of the ochric epipedon: 16 to 23 centimeters
Depth to bedrock: 152 to 200 centimeters to paralithic contact (contact with weathered granitic bedrock, such as granodiorite)

Particle-size control section:
- Content of clay—averages less than 10 percent
- Content of rock fragments—averages 35 to 60 percent, mainly gravel; typically 35 to 50 percent in the upper part and 60 to 80 percent in the lower part
- Lithology of the rock fragments—granitic rocks, such as granodiorite

A horizons:
- Value—4 or 5 dry, 2 or 3 moist
- Chroma—2 or 3 dry or moist
- Content of organic matter—2 to 4 percent
- Reaction—very strongly acid or strongly acid

Bw1, Bw2, and Bw3 horizons:
- Value—4 or 5 moist
- Chroma—3 or 4 dry or moist
- Texture of the fine-earth fraction—coarse sand or loamy coarse sand
- Content of clay—3 to 10 percent
- Content of rock fragments—25 to 40 percent, mainly gravel
- Reaction—very strongly acid or strongly acid

Bw4, Bw5, and C horizons (where present):
- Value—4 or 5 moist
- Chroma—1 or 2 dry or moist
- Texture—very gravelly loamy coarse sand or extremely gravelly loamy coarse sand

Content of clay—3 to 10 percent
Content of rock fragments—50 to 80 percent, mainly gravel

Southcamp Series

The Southcamp series consists of very deep, well drained soils that formed in colluvium over residuum weathered from porphyritic trachyte flows (fig. 35). These soils are on hillslopes and ridgetops. Slopes range from 9 to 70 percent. The mean annual precipitation is about 660 millimeters, and the mean annual air temperature is about 5 degrees C.

Taxonomic classification: Loamy-skeletal, isotic, frigid Ultic Palexeralfs

Typical pedon

Southcamp very gravelly fine sandy loam, on a north-facing (10-degree) slope of 70 percent, at an elevation of 2,137 meters, in an area of Southcamp very gravelly fine sandy loam, 50 to 70 percent slopes.

When described on 6/14/2004, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

Oi—0 to 3 centimeters; slightly decomposed plant material; abrupt smooth boundary.
Oe—3 to 5 centimeters; moderately decomposed plant material; abrupt smooth boundary.
A—5 to 10 centimeters; grayish brown (10YR 5/2) very gravelly fine sandy loam, very dark grayish brown (10YR 3/2) moist; 13 percent clay; weak very fine granular structure; soft, very friable; many very fine roots throughout; many very fine to very coarse irregular pores; 35 percent gravel; neutral (pH 7.0) by bromthymol blue; clear smooth boundary.
E—10 to 38 centimeters; very pale brown (10YR 8/2) extremely cobbly loam, grayish brown (10YR 5/2) moist; 23 percent clay; moderate fine granular structure; soft, very friable, moderately sticky and moderately plastic; many fine and very fine and common medium, coarse, and very coarse and roots throughout; many very fine to coarse irregular pores; 25 percent gravel, 40 percent cobbles, and 10 percent stones; neutral (pH 6.8) by bromthymol blue; gradual smooth boundary.
Bt1—38 to 87 centimeters; light yellowish brown (10YR 6/4) extremely cobbly clay loam, yellowish brown (10YR 5/4) moist; 29 percent clay; moderate fine granular structure; soft, very friable, moderately sticky and moderately plastic; many fine and very fine and common medium, coarse, and very coarse roots throughout; many very fine to very coarse irregular pores; 70 percent distinct clay films; 18 percent gravel, 20 stones, and 50 percent cobbles; slightly acid (pH 6.5) by bromthymol blue; clear smooth boundary.
Bt2—87 to 152 centimeters; brownish yellow (10YR 6/6) extremely stony clay loam, yellowish brown (10YR 5/6) moist; 33 percent clay; moderate fine subangular blocky structure; soft, very friable, moderately sticky and moderately plastic; common very fine to very coarse roots throughout; common very fine, fine, and medium irregular and tubular pores; 70 percent distinct clay films; 18 percent gravel, 20 percent cobbles, and 50 percent stones; slightly acid (pH 6.5) by bromthymol blue.

Type location: Douglas County, Nevada; above the big road cuts on Highway 50 between Spooner Summit and Shakespeare Rock; 132 meters west and 25 meters south of the northeast corner of sec. 14, T. 14 N., R. 18 E.; 39 degrees 5 minutes 0 seconds north latitude and 119 degrees 55 minutes 8 seconds west longitude; NAD83; USGS quadrangle: Glenbrook, Nevada.

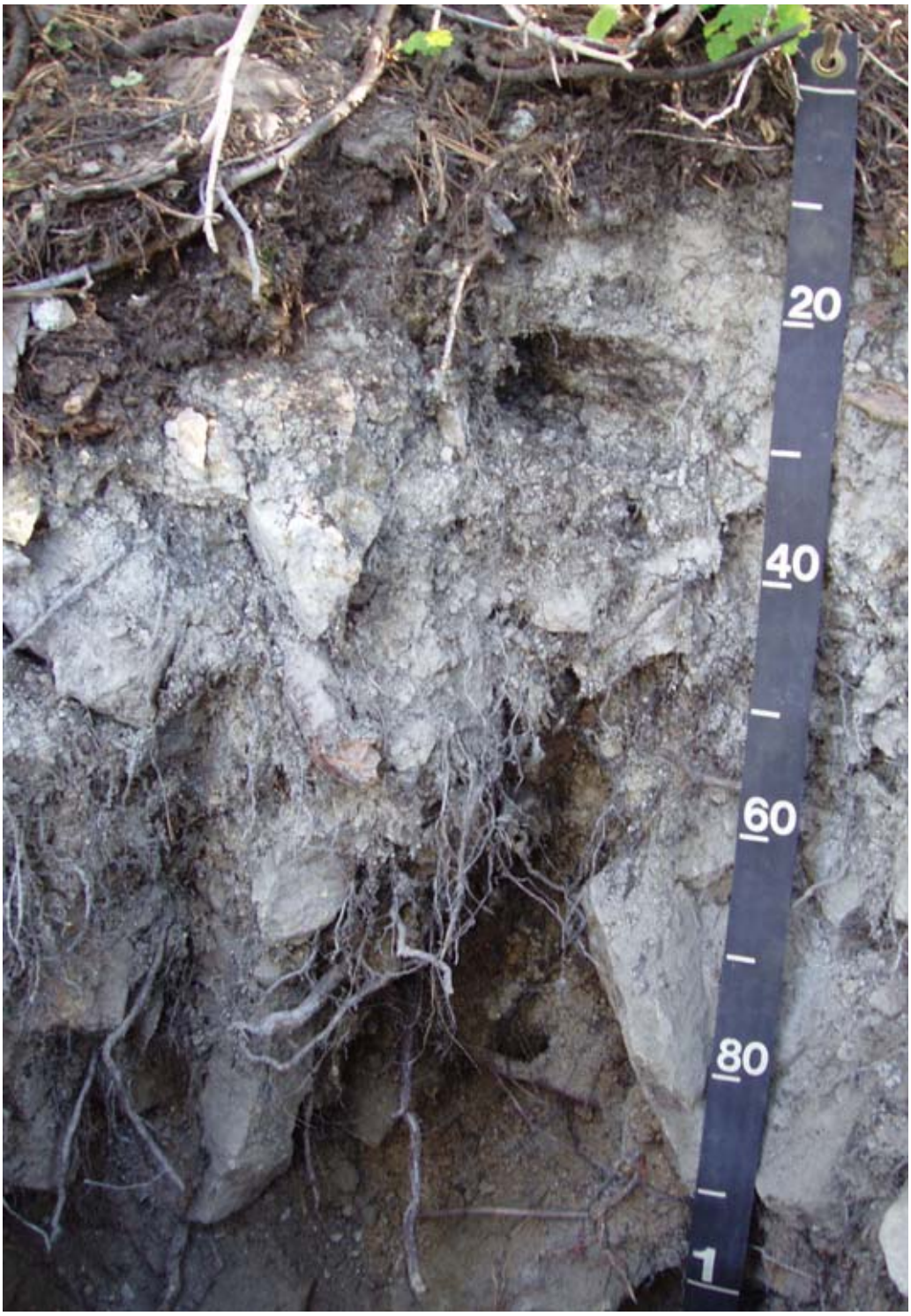


Figure 35.—Typical profile of a Southcamp soil.

Range in characteristics

These soils are usually moist between depths of 38 and 91 centimeters and are dry in all parts only from early August until early October. They have a typic xeric moisture regime.

Mean annual soil temperature: 4 to 8 degrees C
Mean summer soil temperature: 10 to 13 degrees C
Percentage of the surface covered by rock fragments: 0 to 5 percent (mainly by cobbles but by a few stones in some areas)
Reaction: Slightly acid or neutral
Base saturation: 35 to 75 percent (by ammonium acetate)

Particle-size control section:
- Content of rock fragments—35 to 90 percent (10 to 40 percent gravel, 10 to 60 percent cobbles, and 10 to 60 percent stones)
- Content of clay—averages 18 to 35 percent
- Mineralogy—isotic

A horizon:
- Hue—10YR
- Value—5 to 7 dry, 3 to 5 moist
- Chroma—2 to 4 dry or moist
- Content of organic matter—4 to 10 percent
- Texture of the fine-earth fraction—sandy loam, fine sandy loam, or loam
- Content of clay—7 to 20 percent
- Content of rock fragments—20 to 50 percent (20 to 50 percent gravel and 0 to 15 percent cobbles)
- Reaction—pH of 6.1 to 7.3

E horizon:
- Hue—10YR
- Value—6 to 8 dry, 4 to 7 moist
- Chroma—2 dry, 3 moist
- Content of organic matter—0.25 to 1 percent
- Texture of the fine-earth fraction—sandy loam, fine sandy loam, or loam
- Content of clay—10 to 27 percent
- Content of rock fragments—60 to 90 percent (15 to 35 percent gravel, 25 to 60 percent cobbles, and 5 to 20 percent stones)
- Reaction—pH of 6.1 to 7.3

Bt horizons:
- Hue—10YR
- Value—5 to 7 dry, 4 to 7 moist
- Chroma—4 to 6 dry, 4 to 6 moist
- Content of organic matter—0.2 to 2 percent
- Texture of the fine-earth fraction—sandy loam, sandy clay loam, or clay loam
- Content of clay—27 to 35 percent
- Content of rock fragments—60 to 90 percent (10 to 35 percent gravel, 15 to 60 percent cobbles, and 15 to 60 percent stones)
- Reaction—pH of 6.1 to 7.3

Tahoe Series

The Tahoe series consists of very deep, very poorly drained soils that formed in alluvium derived from mixed sources, dominantly andesitic lahar and granodiorite (fig. 36). These soils are on flood plains. Slopes range from 0 to 5 percent. The mean

Figure 36.—Typical profile of a Tahoe soil.

annual precipitation is about 1,245 millimeters, and the mean annual air temperature is about 5 degrees C.

Taxonomic classification: Coarse-loamy, mixed, superactive, acid, frigid Cumulic Humaquepts

Typical pedon

Tahoe mucky silt loam, on a slope of 0 percent, at an elevation of 2,158 meters, in an area of Tahoe complex, 0 to 2 percent slopes.

When described on 7/10/2003, the soil was moist throughout. Colors are for moist soil unless otherwise indicated.

Oe—0 to 8 centimeters; moderately decomposed plant material; abrupt smooth boundary.

A1—8 to 28 centimeters; mucky silt loam, black (10YR 2/1) rubbed and moist; 13 percent clay; weak fine subangular blocky and moderate fine granular structure; soft, very friable, nonsticky and nonplastic; many very fine, fine, and medium roots throughout; 2 percent strong brown (7.5YR 5/6 moist) masses of oxidized iron; slightly acid (pH 6.2) by bromthymol blue; abrupt smooth boundary.
A2—28 to 38 centimeters; mucky silt loam, very dark grayish brown (10YR 3/2) rubbed and moist; 13 percent clay; moderate medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine and fine and many medium roots throughout; common very fine tubular pores; 5 percent dark red (2.5YR 3/6 moist) masses of oxidized iron; slightly acid (pH 6.4) by bromthymol blue; abrupt smooth boundary.
A3—38 to 51 centimeters; gravelly coarse sand, very dark grayish brown (10YR 3/2) rubbed and moist; 95 percent sand; single grained; loose when dry, loose when moist, nonsticky and nonplastic when wet; common fine and medium roots throughout; many fine interstitial pores; 3 percent 5- to 75-millimeter pebbles and 30 percent 2- to 5-millimeter pebbles; neutral (pH 7.2) by bromthymol blue; abrupt smooth boundary.
A4—51 to 76 centimeters; mucky silt loam, black (10YR 2/1) rubbed and moist; 13 percent clay; moderate medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common fine and very fine roots throughout; neutral (pH 7.0) by bromthymol blue; abrupt smooth boundary.
Cg1—76 to 125 centimeters; loam, dark grayish brown (10YR 4/2) rubbed and moist; 44 percent sand; 10 percent clay; slightly hard, nonsticky and nonplastic; 2 percent olive gray (5Y 5/2 moist) masses of reduced iron and 15 percent yellowish red (5YR 5/6 moist) masses of oxidized iron; 2 percent 2- to 5-millimeter pebbles; neutral (pH 7.0) by bromthymol blue; clear smooth boundary.
Cg2—125 to 150 centimeters; loamy sand, dark grayish brown (10YR 4/2) rubbed and moist; nonsticky and nonplastic; 2 percent yellowish red (5YR 5/6 moist) masses of oxidized iron; 3 percent 2- to 5-millimeter pebbles; neutral (pH 7.0) by bromthymol blue.

Type location: El Dorado County, California; inside the bend of Highway 89, in the meadow along Big Meadow Creek; 480 meters west and 92 meters south of the northeast corner of sec. 20, T. 11 N., R. 18 E.; 38 degrees 47 minutes 29 seconds north latitude and 120 degrees 0 minutes 32 seconds west longitude; NAD83; USGS quadrangle: Echo Lake, California.

Range in characteristics

These soils are usually moist throughout. The surface horizons occasionally dry out late in summer and early in fall as the water table drops to a depth of 76 to 203 centimeters. The soils have a typic aquic moisture regime.

Depth to a seasonal high water table: 0 to 25 centimeters
Flooding: Frequent
Ponding: Frequent
Reaction: Strongly acid to neutral
Base saturation (by ammonium acetate): Very low (less than 10 percent) when the influence of the andesitic lahar is strong and as high as 60 percent in the lower horizons when the influence of the granodiorite is stronger; less than 50 percent in the A horizons
Depth to redoximorphic features: 0 to 50 centimeters; the features typically occurring in the first mineral horizon

Particle-size control section: 25 to 100 centimeters
Content of rock fragments—0 to 35 percent gravel, dominantly 2 to 5 millimeters in size

Content of clay—averages 8 to 18 percent
Mineralogy—mixed

A horizons:
Hue—10YR
Value—2 or 3 moist
Chroma—1 to 3 moist
Content of organic matter—5 to 20 percent
Redoximorphic features—masses of oxidized iron with hue of 2.5YR, 5YR, 7.5YR, or 10YR; value of 3 to 6, and chroma of 4 to 8
Texture of the fine-earth fraction—sandy loam, loam, or silt loam; can be coarse sand or sand with small pebbles in thin horizons of higher energy material, such as that in the A3 horizon
Content of clay—0 to 25 percent (typically less than 5 in the higher energy horizons, such as the A3 horizon)

Cg horizons:
Hue—10YR
Value—4 to 6 moist
Chroma—2 to 4 moist
Content of organic matter—0.25 to 5 percent
Redoximorphic features—masses of oxidized iron and masses of reduced iron
Texture of the fine-earth fraction—coarse sand, loamy sand, loamy fine sand, fine sand, or loam
Content of clay—0 to 15 percent
Content of rock fragments—0 to 35 percent gravel

Tahoma Series

The Tahoma series consists of deep or very deep, well drained soils that formed in material weathered from basic volcanic rocks. These soils are on mountainsides. Slopes range from 2 to 50 percent. The mean annual precipitation is about 1,016 millimeters, and the mean annual air temperature is about 4 degrees C.

Taxonomic classification: Fine-loamy, isotic, frigid Ultic Haploxeralfs

Typical pedon

Tahoma very cobbly sandy loam, forested, on a southeast-facing, convex slope of 10 percent, under a cover of red fir, at an elevation of 7,100 feet, in an area of Tahoma very cobbly sandy loam, 2 to 15 percent slopes, very stony.

Colors are for dry soil unless otherwise indicated.

Oi—0 to 8 centimeters; red fir litter.
A1—8 to 36 centimeters; brown (7.5YR 5/4) very cobbly sandy loam, brown (7.5YR 4/4) moist; strong fine granular structure; soft, friable, nonsticky and nonplastic; many very fine, fine, and medium roots; few very fine tubular and interstitial pores; 30 percent gravel, 15 percent cobbles, and 5 percent stones; moderately acid (pH 6.0); clear wavy boundary.
A2—36 to 56 centimeters; brown (7.5YR 5/4) very cobbly sandy loam, brown (7.5YR 4/4) moist; moderate medium granular structure; slightly hard, friable, slightly sticky and nonplastic; many very fine, fine, medium, and coarse roots; many very fine interstitial and common very fine tubular pores; 30 percent gravel and 15 percent cobbles; strongly acid (pH 5.5); clear wavy boundary.

BA—56 to 97 centimeters; brown (7.5YR 5/4) gravelly loam, brown (7.5YR 4/4) moist; weak medium subangular blocky structure; slightly hard, friable, slightly sticky and slightly plastic; common very fine and fine tubular pores; common thin clay films lining pores and coating sand grains; 20 percent gravel and 10 percent cobbles; very strongly acid (pH 5.0); clear wavy boundary.

Bt1—97 to 150 centimeters; brown (7.5YR 5/4) gravelly clay loam, brown (7.5YR 4/4) moist; weak fine subangular blocky structure; hard, firm, sticky and slightly plastic; few very fine, fine, medium, and coarse roots; common very fine tubular pores; thin clay films lining pores and on faces of peds; 15 percent gravel and 5 percent cobbles; very strongly acid (pH 5.0); gradual wavy boundary.

Bt2—150 to 180 centimeters; brown (7.5YR 5/4) clay loam, dark brown (7.5YR 3/4) moist; moderate medium subangular blocky structure; hard, firm, sticky and slightly plastic; few very fine, fine, medium, and coarse roots; common very fine and fine tubular pores; many thin clay films lining pores and on faces of peds; 5 percent gravel; very strongly acid (pH 4.7); gradual wavy boundary.

R—180 centimeters; coarse vesicular olivine latite.

Type location: Placer County, California; 1.5 miles north of Tahoe City; about 20 feet south of an old road; 760 meters north and 170 meters east of the southwest corner of sec. 36, T. 16 N., R. 16 E.; Mount Diablo Base and Meridian; USGS quadrangle: Tahoe City, California.

Range in characteristics

These soils are usually moist between depths of 38 and 91 centimeters and are dry in all parts only from early August until early October. They have a typic xeric moisture regime.

Mean annual soil temperature: 4 to 8 degrees C
Mean summer soil temperature: 10 to 13 degrees C
Depth to weathered bedrock: More than 100 centimeters
Mineralogy: Influenced by vitric pyroclastic material
Base saturation: 25 to 35 percent
Reaction: Slightly acid to very strongly acid
Percentage of the surface covered by rock fragments: 1 to 25 percent by stones
Thickness of the Oi horizon: 3 to 8 centimeters

A horizons:
- Hue—10YR, 7.5YR, or 5YR
- Value—2 to 5 dry or moist; moist value of 2 or 3 occurring only in the upper 8 to 13 centimeters
- Chroma—2 to 6 dry or moist
- Texture of the fine-earth fraction—sandy loam or loam
- Content of rock fragments—15 to 60 percent
- Structure—weak to strong granular
- Content of organic matter—5 to 7 percent

Bt horizon:
- Hue—10YR, 7.5YR, 5YR, or 2.5YR
- Value—4 to 6 dry, 2 to 6 moist
- Chroma—2 to 6 dry or moist
- Texture of the fine-earth fraction—loam, clay loam, or sandy clay loam
- Content of rock fragments—average of less than 35 percent; 5 to 35 percent gravel and 0 to 15 percent cobbles in the upper 50 centimeters; 5 to 50 percent gravel and 0 to 20 percent cobbles and stones in the lower part

Tallac Series

The Tallac series consists of deep or very deep, moderately well drained or well drained soils that formed in glacial deposits. These soils are on glacial moraines and outwash plains. Slopes range from 0 to 75 percent. The mean annual precipitation is 1,270 millimeters, and the mean annual air temperature is 5 degrees C.

Taxonomic classification: Loamy-skeletal, mixed, superactive, frigid Humic Dystroxerepts

Typical pedon

Tallac gravelly coarse sandy loam, on an east-facing, undulating slope of 5 percent, under a cover of mixed conifers, at an elevation of 1,975 meters, in an area of Tallac gravelly coarse sandy loam, moderately well drained, 0 to 5 percent slopes.

When described on 10/26/1967, the soil was slightly moist throughout. Colors are for dry soil unless otherwise indicated.

Oi—0 to 3 centimeters; fresh and decomposed conifer needles.

A1—3 to 41 centimeters; dark grayish brown (10YR 4/2) gravelly coarse sandy loam, very dark brown (10YR 2/2) moist; weak fine granular structure; soft, very friable, nonsticky and nonplastic; many very fine, fine, medium, and coarse roots; many very fine interstitial pores; 15 percent gravel; moderately acid (pH 6.0); diffuse wavy boundary.

A2—41 to 56 centimeters; brown (10YR 4/3) very gravelly coarse sandy loam, very dark grayish brown (10YR 3/2) moist; massive; soft, very friable, nonsticky and nonplastic; many very fine, fine, medium, and coarse roots; many very fine interstitial pores; 35 percent gravel and a few cobbles; moderately acid (pH 6.0); diffuse wavy boundary.

Bw1—56 to 81 centimeters; yellowish brown (10YR 5/4) very cobbly coarse sandy loam, dark brown (10YR 3/3) moist; massive; soft, very friable, nonsticky and nonplastic; many very fine, fine, and medium and few coarse roots; many very fine interstitial pores; 40 percent gravel and 10 percent cobbles; moderately acid (pH 6.0); diffuse wavy boundary.

Bw2—81 to 109 centimeters; yellowish brown (10YR 5/6) very gravelly coarse sandy loam, dark yellowish brown (10YR 4/4) moist; massive; soft, very friable, nonsticky and nonplastic; many very fine, fine, and medium and few coarse roots; many very fine interstitial pores; 40 percent gravel and 1 percent cobbles; moderately acid (pH 5.8); abrupt smooth boundary.

Bqm—109 to 168; yellowish brown (10YR 5/4) and brown (7.5YR 5/4) very gravelly coarse sandy loam, brown (10YR 4/3 and 7.5YR 4/4) moist; massive; hard, firm, nonsticky and nonplastic; weakly cemented; few fine, medium, and coarse roots, most of which are matted at the top of the horizon; 50 percent gravel and 1 percent cobbles; strongly acid (pH 5.5).

Type location: El Dorado County, California; Tahoe Basin; 2 miles west of Camp Richardson, Lot 28 of the Forest Service Spring Creek Tract; 322 meters north and 161 meters west of the southeast corner of sec. 34, T. 13 N., R. 17 E.; Mount Diablo Base and Meridian; 38 degrees 55 minutes 33 seconds north latitude and 120 minutes 4 degrees 43 seconds west longitude; USGS quadrangle: Emerald Bay, California.

Range in characteristics

These soils are usually moist between depths of 20 and 61 centimeters and are dry in all parts only from late July until early October. They have a typic xeric moisture regime.

Mean annual soil temperature: 5 to 8 degrees C
Mean summer soil temperature: 10 to 13 degrees C
Depth to a cemented or compacted layer: More than 100 centimeters from the mineral surface
Umbric epipedon: 50 to 89 centimeters thick and includes the upper part of the C horizon in most pedons
Base saturation: 10 and 50 percent, decreasing with increasing depth
Texture of the fine-earth fraction: Coarse sandy loam, sandy loam, or loam in the A and Bw horizons; coarse sandy loam or loamy sand in the Bqm horizon
Content of rock fragments: 15 to 75 percent, by volume, in the upper 25 centimeters; averages 35 to 65 percent below a depth of 25 centimeters; mainly gravel, cobbles, or both but stones and boulders in some pedons
Reaction: Mainly slightly acid or moderately acid; can be strongly acid in the Bqm horizon

A horizons:
Hue—10YR
Value—3 to 5 dry, 2 or 3 moist
Chroma—1 to 3 dry or moist
Content of organic matter—3 to 10 percent

Bw horizons:
Hue—10YR or 2.5Y
Value—5 or 6 dry, 3 or 4 moist
Chroma—3 to 6 dry or moist
Content of organic matter—less than 1 percent to 3 percent

Bqm horizon:
Hue—5Y, 2.5Y, 10YR, or 7.5YR
Value—5 or 6 dry, 3 or 4 moist
Chroma—3 to 6 dry or moist
Cementation and compaction—continuous, weakly cemented to strongly cemented layers of dense, brittle material that restrict root development and water movement

Temo Series

The Temo series consists of very shallow or shallow, excessively drained soils that formed in residuum and colluvium derived from granitic rocks. These soils are on mountains. Slopes range from 5 to 75 percent. The mean annual precipitation is about 1,016 millimeters, and the mean annual air temperature is about 3 degrees C.

Taxonomic classification: Mixed, shallow Typic Cryopsamments

Typical pedon

Temo gravelly coarse sand, in a forested area.

The surface has about 1 centimeter of undecomposed forest duff consisting of pine and fir needles. Colors are for dry soil unless otherwise indicated.

A1—0 to 5 centimeters; grayish brown (10YR 5/2) gravelly coarse sand, very dark brown (10YR 2/2) moist; weak fine granular structure; soft, very friable, nonsticky and nonplastic; many fine and very fine roots; many fine and very fine interstitial pores; 25 percent fine gravel and 1 percent boulders; moderately acid (pH 6.0); clear wavy boundary.
A2—5 to 25 centimeters; grayish brown (10YR 5/2) gravelly loamy coarse sand, very dark grayish brown (10YR 3/2) moist; weak fine granular structure; soft, very

friable, nonsticky and nonplastic; many fine and very fine roots; few medium and coarse roots; many fine and very fine interstitial pores; 25 percent fine gravel; slightly acid (pH 6.4); abrupt wavy boundary.

C—25 to 41 centimeters; pale brown (10YR 6/3) gravelly loamy coarse sand, dark grayish brown (10YR 4/2) moist; massive; soft, very friable, nonsticky and nonplastic; few fine, medium, and coarse roots; many very fine and fine interstitial pores; 30 percent gravel; moderately acid (pH 6.0); clear wavy boundary.

Cr—41 centimeters; weathered granodiorite.

Type location: Washoe County, Nevada; in Lake Tahoe State Park, about 0.75 mile east of Tunnel Creek Station; about 610 meters east and 518 meters south of the northwest corner of sec. 30, T. 16 N., R. 19 E.; 39 degrees 13 minutes 30 seconds north latitude and 119 degrees 53 minutes 36 seconds west longitude; NAD27; USGS quadrangle: Marlett Lake, Nevada.

Range in characteristics

These soils are usually moist, but they are dry in all parts from some time in July until early October. They have a typic aquic moisture regime.

Mean annual soil temperature: 4 to 7 degrees C
Mean summer soil temperature: 6 to 8 degrees C
Thickness of the ochric epipedon: 15 to 25 centimeters
Depth to bedrock: 20 to 50 centimeters to paralithic contact (contact with weathered granitic bedrock, such as granodiorite)
Reaction: Strongly acid to slightly acid.

Particle-size control section:
- Content of clay—2 to 8 percent
- Content of rock fragments—10 to 35 percent, mainly fine gravel
- Lithology of the rock fragments—granitic rocks, such as granodiorite

A horizons:
- Value—4 or 5 dry, 2 or 3 moist
- Chroma—2 or 3 dry or moist
- Texture of the fine-earth fraction—coarse sand or loamy coarse sand
- Content of organic matter—0.5 to 8 percent

C horizon:
- Value—5 to 7 dry, 3 to 5 moist
- Chroma—2 to 4 dry or moist
- Texture—Coarse sand or loamy coarse sand
- Content of rock fragments—10 to 35 percent

Toem Series

The Toem series consists of shallow, excessively drained soils that formed in colluvium and residuum derived from granitic rocks. These soils are on mountains. Slopes range from 5 to 75 percent. The mean annual precipitation is about 1,015 millimeters, and the mean annual air temperature is about 4.4 degrees C.

Taxonomic classification: Mixed, frigid, shallow Dystric Xeropsamments

Typical pedon

Toem gravelly coarse sand, on a convex, south-facing slope of 35 percent under a cover of Jeffrey pine, white fir, and greenleaf manzanita, at an elevation of 2,134 meters; in an area of Toem-Rock outcrop complex, 9 to 30 percent slopes.

Colors are for dry soil unless otherwise indicated.

O—0 to 3 centimeters; pine litter.
A1—3 to 8 centimeters; grayish brown (10YR 5/2) gravelly coarse sand, very dark brown (10YR 2/2) moist; very dark grayish brown (10YR 3/2) pockets; weak very fine and fine granular structure; soft, very friable, nonsticky and nonplastic; many very fine roots; many very fine and fine interstitial pores; moderately acid (pH 6.0); clear wavy boundary.
A2—8 to 25 centimeters; grayish brown (10YR 5/2) gravelly coarse sand, very dark grayish brown (10YR 3/2) moist; dark gray and very dark grayish brown (10YR 4/1, 3/2) pockets and seams adjacent to coarse roots or old root channels; weak fine and medium granular structure; soft, very friable, nonsticky and nonplastic; many very fine and few coarse roots; many very fine and fine interstitial pores; slightly acid (pH 6.5); abrupt wavy boundary.
C—25 to 46 centimeters; pale brown (10YR 6/3) gravelly coarse sand, dark grayish brown (10YR 4/2) moist; massive, soft, very friable, nonsticky and nonplastic; many very fine and few fine, medium, and coarse roots; many very fine and fine interstitial pores; moderately acid (pH 6.0); clear wavy boundary.
Cr—46 to 81 centimeters; weathered granodiorite; roots limited to cracks in the weathered rock.

Type location: El Dorado County, California, Lake Tahoe Basin; 100 feet north of High Meadow Road, 4 miles south of State line; SW¼SE¼ sec. 12, T. 12 N., R. 18 E.; Mount Diablo Base and Meridian; 38 degrees 53 minutes 52 seconds north latitude and 119 degrees 56 minutes 4 seconds west longitude; USGS quadrangle: South Lake Tahoe, California.

Range in characteristics

These soils are usually moist, but they are dry in all parts from mid-July until early October. They have a typic xeric moisture regime.

Mean annual soil temperature: 4 to 47 degrees C
Mean summer soil temperature: 10 to 12 degrees C
Depth to paralithic contact: 20 to 50 centimeters
Texture of the fine-earth fraction: Loamy coarse sand or coarse sand
Content of rock fragments: 5 to 35 percent gravel
Base saturation: 20 to 60 percent between a depth of 25 centimeters and the paralithic contact; generally less than 50 percent in the lower part of the profile
Reaction: Slightly acid or moderately acid throughout the profile
Thickness of the O horizon: 3 to 8 centimeters

A horizons:
Hue—10YR
Value—4 or 5 dry, 2 or 3 moist
Chroma—1 to 3 dry or moist

C horizon:
Hue—10YR, 2.5Y, or 5Y
Value—4 to 7 dry or moist
Chroma—1 to 3 dry or moist

Ubaj Series

The Ubaj series consists of very deep, moderately well drained soils that formed in colluvium and/or outwash derived from granodiorite over lacustrine deposits. These soils are on lake terraces. Slopes range from 0 to 9 percent. The mean annual

precipitation is about 685 millimeters, and the mean annual air temperature is about 6 degrees C.

Taxonomic classification: Fine-loamy, mixed, superactive, frigid Ultic Haploxeralfs

Typical pedon

Ubaj sandy loam, on a south-facing (180-degree) slope of 6 percent, at an elevation of 1,936 meters, in an area of Ubaj sandy loam, 0 to 9 percent slopes.

When described on 9/16/1968, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

Oi—0 to 1 centimeter; slightly decomposed plant material.

A1—1 to 6 centimeters; grayish brown (2.5Y 5/2) sandy loam, dark brown (10YR 3/3) moist; moderate medium platy structure; soft, very friable, nonsticky and nonplastic; many very fine roots throughout; few very fine tubular and many micro interstitial and tubular pores; strongly acid (pH 5.5) by Hellige-Truog; abrupt smooth boundary.

A2—6 to 19 centimeters; brown (10YR 5/3) sandy loam, dark brown (10YR 3/3) moist; moderate medium platy structure; slightly sticky and slightly plastic; many very fine, fine, medium, and coarse roots throughout; few very fine tubular and common micro tubular and interstitial pores; moderately acid (pH 5.7) by Hellige-Truog; clear smooth boundary.

BA—19 to 44 centimeters; pale brown (10YR 6/3) sandy loam, dark yellowish brown (10YR 3/4) moist; massive; slightly hard, friable, slightly sticky and slightly plastic; common very fine, fine, medium, and coarse roots throughout; few fine and common micro tubular pores; strongly acid (pH 5.5) by Hellige-Truog; gradual smooth boundary.

Bt1—44 to 70 centimeters; pale brown (10YR 6/3) sandy clay loam, brown (10YR 4/3) moist; massive; hard, friable, slightly sticky and slightly plastic; few very fine, fine, medium, and coarse roots throughout; common micro tubular and interstitial pores; clay bridges on surfaces along pores; moderately acid (pH 5.7) by Hellige-Truog; clear wavy boundary.

2Bt2—70 to 108 centimeters; pale brown (10YR 6/3) clay loam, yellowish brown (10YR 5/4) moist; moderate thick platy structure parting to moderate fine angular blocky; very hard, firm, moderately sticky and moderately plastic; few very fine, fine, medium, and coarse roots throughout; few very fine and common micro tubular pores; prominent clay films on all faces of peds; few fine prominent yellowish red (5YR 5/6 dry and 5YR 4/6 moist) and strong brown (7.5YR 5/6 dry and 7.5YR 5/6 moist) masses of oxidized iron; strongly acid (pH 5.5) by Hellige-Truog; clear wavy boundary.

2Bt3—108 to 126 centimeters; light gray (10YR 7/2) clay, pale brown (10YR 6/3) moist; moderate coarse prismatic structure; extremely hard, very firm, slightly sticky and moderately plastic; few very fine, fine, medium, and coarse roots throughout; few micro tubular pores; prominent clay films on all faces of peds; strong brown (7.5YR 5/6 moist) and yellowish red (5YR 5/8 dry) and yellowish red (5YR 5/6 moist) and strong brown (7.5YR 5/6 dry) masses of oxidized iron; strongly acid (pH 5.6) by Hellige-Truog; abrupt wavy boundary.

2C—126 to 306 centimeters; white (N 8/) clay, light gray (10YR 7/2) moist; massive; extremely hard, very firm; few faint yellowish brown (10YR 5/4 moist) and brown (10YR 5/3 dry) masses of oxidized iron; slightly acid (pH 6.5) by Hellige-Truog.

Type location: El Dorado County, California; 792 meters east and 183 meters south of the northwest corner of sec. 15, T. 12 N., R. 18 E.; 38 degrees 53 minutes 33 seconds north latitude and 119 degrees 58 minutes 35 seconds west longitude; NAD83; USGS quadrangle: South Lake Tahoe, California.

Range in characteristics

These soils are usually dry for 45 to 75 consecutive days in late summer and are moist the rest of the year. They have a typic xeric moisture regime.

Seasonal high water table: In spring, runoff water moving through the profile is slowed down on top of the lacustrine sediments, which are at a depth of 50 to 100 centimeters.

Base saturation: 35 to 55 percent (by ammonium acetate)

Particle-size control section:

- Content of rock fragments—as much as 14 percent above the discontinuity; 0 percent below the discontinuity
- Content of clay—averages 25 to 35 percent
- Mineralogy—mixed

A horizons:

- Hue—10YR or 2.5Y
- Value—5 or 6 dry, 3 or 4 moist
- Chroma—2 or 3 dry, 3 or 4 moist
- Content of organic matter—2 to 8 percent
- Texture of the fine-earth fraction—sandy loam
- Reaction—strongly acid or moderately acid

Bt1 horizon:

- Hue—10YR
- Value—6 dry, 4 moist
- Chroma—3 dry, 3 moist
- Content of organic matter—0.5 to 2 percent
- Texture of the fine-earth fraction—sandy clay loam
- Reaction—strongly acid or moderately acid

2Bt2 horizon:

- Hue—10YR
- Value—6 dry, 5 moist
- Chroma—3 dry, 4 moist
- Content of organic matter—0.25 to 1.5 percent
- Redoximorphic features—masses of oxidized iron
- Texture of the fine-earth fraction—clay loam
- Reaction—strongly acid or moderately acid

2Bt3 horizon:

- Hue—10YR
- Value—7 dry, 6 moist
- Chroma—2 dry, 3 moist
- Content of organic matter—0.1 to 1 percent
- Redoximorphic features—masses of oxidized iron
- Texture of the fine-earth fraction—clay
- Reaction—strongly acid or moderately acid

2C horizon(s):

- Hue—N or 10YR
- Value—8 dry, 7 moist
- Chroma—0 dry, 2 moist
- Content of organic matter—0 to 0.75 percent
- Redoximorphic features—masses of oxidized iron
- Texture of the fine-earth fraction—clay
- Reaction—slightly acid or neutral

Waca Series

The Waca series consists of moderately deep, well drained soils that formed in material weathered from andesitic tuff. These soils are on mountains. Slopes range from 5 to 75 percent. The mean annual precipitation is 1,270 millimeters, and the mean annual air temperature is about 5 degrees C.

Taxonomic classification: Medial-skeletal, amorphic, frigid Humic Vitrixerands

Typical pedon

Waca very gravelly medial coarse sandy loam, on a northwest-facing, concave slope, under a cover of mixed conifers, at an elevation of 2,073 meters, in an area of Waca very gravelly medial coarse sandy loam, 9 to 30 percent slopes.

Colors are for dry soil unless otherwise indicated.

Oi—0 to 5 centimeters; slightly decomposed plant material.
A1—5 to 28 centimeters; brown (10YR 5/3) very gravelly medial coarse sandy loam, very dark grayish brown (10YR 3/2) moist; massive; soft, very friable, nonsticky and nonplastic; few fine roots; 30 percent gravel and 14 percent cobbles; slightly acid (pH 6.2); abrupt smooth boundary.
A2—28 to 41 centimeters; brown (10YR 5/3) very gravelly medial coarse sandy loam, dark brown (10YR 3/3) moist; massive, soft, very friable, nonsticky and nonplastic; common very fine and fine and many medium roots; many very fine and fine interstitial pores; 35 percent gravel and 3 percent cobbles; moderately acid (pH 6.0); diffuse wavy boundary.
A3—41 to 58 centimeters; brown (10YR 5/3) very gravelly medial coarse sandy loam, dark brown (10YR 3/3) moist; weak medium granular structure; soft, very friable, nonsticky and nonplastic; many very fine, fine, medium, and coarse roots; many very fine and fine interstitial pores; 35 percent gravel and 2 percent cobbles; moderately acid (pH 5.8); diffuse wavy boundary.
Bw—58 to 97 centimeters; pale brown (10YR 6/3) very gravelly medial coarse sandy loam, brown (10YR 4/3) moist; weak medium granular structure; soft, very friable, nonsticky and nonplastic; many very fine, fine, medium, and coarse roots; many very fine and fine interstitial pores; 45 percent gravel and 3 percent cobbles; moderately acid (pH 5.6); diffuse wavy boundary.
Cr—97 centimeters; weathered andesitic tuff with fractures more than 10 centimeters apart and some roots and soil in the cracks.

Type location: Placer County, California; Lake Tahoe Basin, 30 meters south of Blackwood Canyon Road; 800 meters west and 150 meters north of the southeast corner of sec. 34, T. 15 N., R. 16 E.; Mount Diablo Base and Meridian; 39 degrees 5 minutes 54 seconds north latitude and 120 degrees 11 minutes 55 seconds west longitude; USGS quadrangle: Homewood, California.

Range in characteristics

These soils are usually moist between depths of 25 and 84 centimeters and are dry in all parts for about 55 days between late August and early October. They have a typic xeric moisture regime.

Mean annual soil temperature: 4 to 8 degrees C
Mean summer soil temperature: 10 to 13 degrees C
Umbric epipedon: 25 to 61 centimeters thick, though the dark colors normally extend to only 50 centimeters.
Depth to paralithic contact: 50 to 100 centimeters
Texture of the fine-earth fraction: Coarse sandy loam, sandy loam, or loam with less than 18 percent clay

Content of rock fragments: Average of more than 35 percent throughout the control section but 15 to 70 percent in individual horizons; mainly gravel but including cobbles and stones
Content of ash: Less than 60 percent vitric pyroclastic material in the upper 36 centimeters
Bulk density: 0.70 to 0.95 gm/cc
Base saturation: Commonly 15 to 30 percent but ranging from 3 to 50 percent

A horizons:
Hue—10YR or 7.5YR
Value—3 to 5 dry, 2 to 4 moist
Chroma—2 to 4 dry or moist
Content of organic matter—2 to 34 percent
Reaction—strongly acid to slightly acid

Bw horizon:
Hue—10YR or 7.5YR
Value—4 to 7 dry, 3 to 5 moist
Chroma—3 to 8 dry, 2 to 4 moist
Reaction—moderately acid or strongly acid

Wardcreek Series

The Wardcreek series consists of moderately deep, well drained soils that formed in colluvium over residuum weathered from volcanic rocks (fig. 37). These soils are on the upper third of mountains. Slopes range from 30 to 70 percent. The mean annual precipitation is about 1,000 millimeters, and the mean annual air temperature is about 4 degrees C.

Taxonomic classification: Ashy-skeletal, amorphic Xeric Vitricryands

Typical pedon

Wardcreek very stony ashy loam, on a northeast-facing (40-degree) slope of 65 percent, at an elevation of 3,078 meters, in an area of Mountrose-Wardcreek-Melody complex, 50 to 70 percent slopes.

When described on 8/6/2002, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

A—0 to 9 centimeters; pale brown (10YR 6/3)(broken face) very stony ashy loam, brown (10YR 4/3) rubbed and moist; 50 percent sand; 35 percent silt; 15 percent clay; weak very fine granular structure; soft, very friable, moderately sticky and slightly plastic; common very fine and fine roots throughout; many very fine interstitial pores; 30 percent gravel, 10 percent cobbles, and 10 percent stones; strongly acid (pH 5.4) by chlorophenol red; clear smooth boundary.
AB—9 to 30 centimeters; yellowish brown (10YR 5/4) (broken face) very stony ashy sandy loam, dark yellowish brown (10YR 3/4) broken face and moist; 70 percent sand; 20 percent silt; 10 percent clay; weak fine subangular blocky structure; soft, very friable, slightly sticky and slightly plastic; common very fine roots throughout; many very fine interstitial pores; 20 percent gravel, 10 percent cobbles, and 10 percent stones; strongly acid (pH 5.4) by chlorophenol red; clear smooth boundary.
Bt—30 to 45 centimeters; light yellowish brown (10YR 6/4) (broken face) very stony ashy sandy loam, dark yellowish brown (10YR 4/6) broken face and moist; 70 percent sand; 18 percent silt; 12 percent clay; moderate medium subangular blocky structure; soft, very friable, slightly sticky and slightly plastic; few very fine,

Figure 37.—Typical profile of a Wardcreek soil.

fine, and medium roots throughout; few fine tubular, common medium interstitial, and many very fine interstitial pores; 2 percent clay films on rock fragments and 5 percent clay bridges between sand grains; 25 percent gravel, 10 percent cobbles, and 10 percent stones; strongly acid (pH 5.4) by chlorophenol red; abrupt wavy boundary.

BC—45 to 64 centimeters; light yellowish brown (10YR 6/4) (broken face) very stony ashy sandy loam, dark yellowish brown (10YR 4/4) broken face and moist; 70 percent sand; 20 percent silt; 10 percent clay; weak medium subangular blocky structure; soft, very friable, slightly sticky and slightly plastic; few very fine and fine roots throughout; many fine and medium interstitial pores; 25 percent gravel,

10 percent cobbles, and 10 percent stones; strongly acid (pH 5.4) by chlorophenol red; abrupt wavy boundary.
R—64 centimeters; very strongly cemented volcanic bedrock.

Type location: Washoe County, Nevada; 562 meters west and 330 meters south of the northeast corner of sec. 27, T. 17 N., R. 18 E.; 39 degrees 18 minutes 48.2 seconds north latitude and 119 degrees 56 minutes 41.7 seconds west longitude; NAD83; USGS quadrangle: Mount Rose, Nevada.

Range in characteristics

These soils are usually moist in the moisture control section. They are moist in fall, winter, and spring and usually are dry from July to early October. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 3 to 6 degrees C
Depth to lithic contact: 50 to 100 centimeters
Reaction: Strongly acid to slightly acid
Base saturation: 5 to 35 percent (by sum of cations)

Particle-size control section:
- Content of rock fragments—35 to 60 percent (15 to 35 percent gravel, 5 to 20 percent cobbles, 5 to 20 percent stones, and 0 to 5 percent boulders)
- Mineralogy—amorphic

A horizon(s):
- Hue—10YR
- Value—4 to 6 dry, 3 or 4 moist
- Chroma—3 or 4 dry or moist
- Texture of the fine-earth fraction—sandy loam or loam
- Content of clay—5 to 20 percent
- Content of organic matter—2 to 8 percent
- Content of rock fragments—35 to 60 percent (15 to 35 percent gravel, 5 to 15 percent cobbles, and 5 to 15 percent stones)
- Reaction—strongly acid to slightly acid

Bt or Bw horizon:
- Hue—10YR
- Value—5 or 6 dry, 3 to 6 moist
- Chroma—4 or 6 dry, 4 or 6 moist
- Texture of the fine-earth fraction—sandy loam or loam
- Content of clay—5 to 20 percent
- Content of organic matter—0.5 to 2 percent
- Content of rock fragments—35 to 60 percent (15 to 35 percent gravel, 5 to 15 percent cobbles, and 5 to 15 percent stones)
- Reaction—strongly acid to slightly acid

BC horizon:
- Hue—10YR
- Value—6 dry, 4 moist
- Chroma—4 dry or moist
- Texture of the fine-earth fraction—sandy loam or loam
- Content of clay—5 to 20 percent
- Content of organic matter—0.1 to 1 percent
- Content of rock fragments—35 to 60 percent (15 to 35 percent gravel, 5 to 15 percent cobbles, and 5 to 15 percent stones)
- Reaction—strongly acid to slightly acid

Watah Series

The Watah series consists of very deep, very poorly drained soils that formed in organic material over alluvium. These soils are on flood plains. Slopes are 0 to 2 percent. The mean annual precipitation is about 580 millimeters, and the mean annual air temperature is about 6 degrees C.

Taxonomic classification: Coarse-loamy, mixed, superactive, acid, frigid Histic Humaquepts

Typical pedon

Watah peat, on a slope of 0 percent, at an elevation of 1,906 meters, in an area of Watah peat, 0 to 2 percent slopes.

When described on 7/16/2002, the soil was moist to a depth of 100 centimeters and saturated below that depth. Colors are for moist soil unless otherwise indicated.

Oi—0 to 8 centimeters; black (10YR 2/1) peat; about 85 percent fibers rubbed; nonsticky and nonplastic; common fine and medium and many very fine roots throughout; abrupt smooth boundary.

Oe—8 to 20 centimeters; black (10YR 2/1) mucky peat; about 25 percent fibers rubbed; nonsticky and nonplastic; many very fine, fine, and medium roots throughout; 5 percent rounded gravel; abrupt smooth boundary.

A—20 to 38 centimeters; very dark brown (10YR 2/2) gravelly mucky coarse sandy loam; 5 percent clay; massive; soft, very friable, nonsticky and nonplastic; common very fine, fine, and medium roots throughout; many very fine interstitial pores; 25 percent rounded gravel; strongly acid (pH 5.2) by chlorophenol red; clear smooth boundary.

C—38 to 73 centimeters; brown (10YR 4/3) gravelly loamy coarse sand; 2 percent clay; massive; soft, very friable, nonsticky and nonplastic; common very fine, fine, and medium roots throughout; many very fine interstitial pores; 30 percent rounded gravel; strongly acid (pH 5.2) by chlorophenol red; clear smooth boundary.

Cg—73 to 160 centimeters; white (10YR 8/1) gravelly coarse sand; massive; soft, very friable, nonsticky and nonplastic; many very fine interstitial pores; 30 percent rounded gravel; strongly acid (pH 5.2) by chlorophenol red.

Type location: El Dorado County, California; in the Truckee Marsh between Pope Beach and the Tahoe Keys; 548 feet south and 749 feet east of the northwest corner of sec. 5, T. 12 N., R. 18 E.; 38 degrees 56 minutes 7 seconds north latitude and 120 degrees 1 minute 14 seconds west longitude; NAD83; USGS quadrangle: Emerald Bay, California.

Range in characteristics

These soils are usually moist throughout the year. The water table fluctuates between the surface and a depth of 152 centimeters. The soils have a typic aquic moisture regime.

Reaction: Strongly acid to slightly acid
Redoximorphic feature: A histic epipedon at the surface

Particle-size control section: 25 to 100 centimeters
- Content of rock fragments—0 to 35 percent gravel, dominantly 2 to 5 millimeters in size
- Content of clay—averages 0 to 8 percent
- Mineralogy—mixed

A horizon(s):
- Hue—10YR
- Value—2 or 3 moist
- Chroma—1 to 3 moist
- Content of organic matter—10 to 20 percent
- Texture of the fine-earth fraction—coarse sandy loam, sandy loam, fine sandy loam, silt loam, or loam
- Content of rock fragments—0 to 35 percent gravel
- Reaction—strongly acid or moderately acid

C horizons:
- Hue—10YR
- Value—3 to 6 moist
- Chroma—3 to 5 moist
- Content of organic matter—0 to 1 percent
- Texture of the fine-earth fraction—coarse sand, loamy coarse sand, or coarse sandy loam
- Content of rock fragments—0 to 35 percent gravel
- Reaction—strongly acid or moderately acid

Waterpeak Series

The Waterpeak series consists of very deep, somewhat excessively drained soils that formed in colluvium and residuum derived from granitic rocks. These soils are on mountains. Slopes range from 4 to 75 percent. The mean annual precipitation is about 890 millimeters, and the mean annual air temperature is about 3 degrees C.

Taxonomic classification: Sandy-skeletal, mixed Pachic Haplocryolls

Typical pedon

Waterpeak very bouldery coarse sand, in an area of rangeland in the Waterpeak-Rock outcrop complex, 30 to 75 percent slopes.

The percentage of the surface covered by rock fragments is as follows: 25 percent by gravel, 5 percent by stones, and 5 percent by boulders. Colors are for dry soil unless otherwise indicated.

A1—0 to 13 centimeters; dark grayish brown (10YR 4/2) very bouldery coarse sand, very dark brown (10YR 2/2) moist; weak fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; many very fine roots; common very fine interstitial pores; 25 percent gravel, 5 percent cobbles, 5 percent stones, and 5 percent boulders; slightly acid; clear wavy boundary.

A2—13 to 46 centimeters; brown (10YR 5/3) very stony coarse sand, very dark grayish brown (10YR 3/2) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine and common fine roots; common very fine interstitial and tubular pores; 25 percent gravel and 20 percent stones; slightly acid; clear wavy boundary.

A3—46 to 69 centimeters; brown (10YR 5/3) very stony loamy coarse sand, dark brown (10YR 3/3) moist; weak fine and medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; few very fine, common fine, and common medium roots; common very fine interstitial and tubular pores; 25 percent gravel, 5 percent cobbles, and 20 percent stones; neutral; clear wavy boundary.

Bw—69 to 152 centimeters; pale brown (10YR 6/3) very stony sandy loam, brown (10YR 4/3) moist; massive; soft, very friable, nonsticky and nonplastic; few very fine, few fine, and few medium roots; common very fine interstitial and tubular pores; 20 percent gravel, 5 percent cobbles, and 20 percent stones; neutral.

Type location: Alpine County, California; in the Toiyabe National Forest, about 1,100 feet southeast of Waterhouse Peak; approximately 1,850 feet south and 1,700 feet east of the northwest corner of sec. 26, T. 11 N., R. 18 E.; 38 degrees 46 minutes 22.1 seconds north latitude and 119 degrees 57 minutes 45.7 seconds west longitude; NAD27; USGS quadrangle: Freel Peak, California.

Range in characteristics

These soils are usually moist in the moisture control section during late fall and during winter and spring and are dry from mid-July through September. They are dry for 60 to 80 consecutive days in the 4 months following the summer solstice. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 4 to 7 degrees C
Mean summer soil temperature: 8 to 12 degrees C
Thickness of the mollic epipedon: 50 to 100 centimeters
Depth to the base of the cambic horizon: More than 100 centimeters
Depth to bedrock: 152 to 200 centimeters to paralithic contact (contact with weathered granitic bedrock)

Particle-size control section:
- Content of clay—averages less than 10 percent
- Content of rock fragments—averages 35 to 60 percent, mainly stones
- Lithology of the rock fragments—granitic rocks, such as granodiorite

A horizons:
- Value—4 or 5 dry, 2 or 3 moist
- Chroma—2 or 3 dry or moist
- Texture of the fine-earth fraction—coarse sand or loamy coarse sand
- Content of organic matter—1 to 5 percent
- Reaction—slightly acid or neutral

Bw horizon:
- Chroma—3 or 4 dry or moist
- Texture—coarse sandy loam or sandy loam
- Content of clay—10 to 15 percent
- Content of rock fragments—35 to 60 percent
- Reaction—slightly acid or neutral

Watsonlake Series

The Watsonlake series consists of very deep, well drained soils that formed in colluvium over residuum weathered from andesite. These soils are on mountain slopes. Slopes range from 5 to 50 percent. The mean annual precipitation is about 940 millimeters, and the mean annual air temperature is about 5 degrees C.

Taxonomic classification: Loamy-skeletal, isotic Andic Haplocryalfs

Typical pedon

Watsonlake gravelly sandy loam, on a northeast-facing (45-degree) slope of 16 percent, at an elevation of 2,294 meters, in an area of Watsonlake gravelly sandy loam, 15 to 30 percent slopes, rubbly.

When described on 8/26/1969, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

Oi—0 to 5 centimeters; slightly decomposed plant material.

A1—5 to 20 centimeters; brown (10YR 5/3) gravelly sandy loam, dark yellowish brown (10YR 3/4) moist; weak fine granular structure; soft, very friable, nonsticky and nonplastic; many very fine and fine roots throughout; many very fine and fine interstitial pores; 20 percent gravel and 5 percent boulders; slightly acid (pH 6.2); clear smooth boundary.

A2—20 to 46 centimeters; light yellowish brown (10YR 6/4) gravelly sandy loam, dark yellowish brown (10YR 4/4) moist; weak fine granular structure; slightly hard, friable, nonsticky and nonplastic; many very fine, fine, and medium roots throughout; many very fine and fine interstitial and tubular pores; 25 percent gravel and 5 percent boulders; moderately acid (pH 6.0); clear wavy boundary.

BA—46 to 69 centimeters; pale brown (10YR 6/3) very gravelly sandy clay loam, dark yellowish brown (10YR 4/4) moist; massive; slightly hard, friable, nonsticky and slightly plastic; many very fine, fine, and medium roots throughout; many very fine and fine interstitial and tubular pores; 40 percent gravel, 5 percent cobbles, and 5 percent boulders; moderately acid (pH 6.0); clear smooth boundary.

Bt1—69 to 89 centimeters; pale brown (10YR 6/3) very cobbly sandy clay loam, dark yellowish brown (10YR 4/4) moist; weak fine subangular blocky structure; slightly hard, firm, nonsticky and slightly plastic; common very fine, fine, and medium roots throughout; common very fine and fine tubular pores; 10 percent clay films on surfaces along pores; 25 percent gravel, 10 percent cobbles, and 5 percent boulders; moderately acid (pH 6.0); clear smooth boundary.

Bt2—89 to 132 centimeters; very pale brown (10YR 7/4) very cobbly sandy clay loam, brown (10YR 4/3) moist; massive; slightly hard, firm, nonsticky and slightly plastic; few fine and medium roots throughout; common very fine and fine interstitial and tubular pores; 35 percent clay films on surfaces along pores and 35 percent clay films on all faces of peds; 30 percent gravel, 10 percent cobbles, and 5 percent boulders; moderately acid (pH 5.8); gradual wavy boundary.

Bt3—132 to 170 centimeters; very pale brown (10YR 7/4) stony loam, brown (10YR 4/3) moist; massive; hard, firm, slightly sticky and slightly plastic; few fine, few medium, and few very fine roots throughout; common fine and medium vesicular pores; 35 percent clay films on all faces of peds; 10 percent cobbles and 10 percent stones; moderately acid (pH 5.8); abrupt smooth boundary

R—170 centimeters; indurated andesite bedrock.

Type location: Placer County, California; 4 miles north of Tahoe City, 0.25 mile west and 400 feet south of the northeast corner of sec. 19, T. 16 N., R. 17 E.; 39 degrees 13 minutes 36 seconds north latitude and 120 degrees 7 minutes 40 seconds west longitude; NAD83; USGS quadrangle: Tahoe City, California.

Range in characteristics

These soils are usually dry for 45 to 75 consecutive days in late summer and early fall and moist the rest of the year. They have a typic xeric moisture regime.

Percentage of the surface covered by rock fragments: 7 percent
Reaction: Moderately acid or slightly acid
Base saturation: 35 to 60 percent (by ammonium acetate)
Acid-oxalate extractable Al plus ½ Fe: 1 to 2 percent (by weight) to a depth of 18 centimeters from the mineral soil surface

Particle-size control section:
Content of rock fragments—35 to 60 percent (20 to 50 percent gravel, 0 to 20 percent cobbles, 0 to 15 percent stones, and 1 to 5 percent boulders)
Content of clay—averages 20 to 30 percent
Mineralogy—isotic

A horizons:

Hue—10YR
Value—4 to 6 dry, 3 or 4 moist
Chroma—3 or 4 dry or moist
Texture of the fine-earth fraction—coarse sandy loam or sandy loam
Content of rock fragments—20 to 50 percent (15 to 50 percent gravel, 0 to 15 percent cobbles, 0 to 15 percent stones, and 1 to 5 percent boulders)
Reaction—moderately to slightly acid

Bt horizons:

Hue—10YR or 7.5YR
Value—5 to 7 dry, 4 to 6 moist
Chroma—3 or 4 dry or moist
Texture of the fine-earth fraction—loam, sandy clay loam, or clay loam
Content of rock fragments—35 to 65 percent in the Bt1 and Bt2 horizons but can decrease to 15 percent in the Bt3 horizon; dominantly gravel in the Bt1 and Bt2 horizons and cobbles and stones in the Bt3 horizon
Reaction—strongly acid to slightly acid

Whittell Series

The Whittell series consists of moderately deep, somewhat excessively drained soils that formed in colluvium over residuum derived from granodiorite. These soils are on the upper third of mountain flanks. Slopes range from 8 to 75 percent. The mean annual precipitation is about 1,000 millimeters, and the mean annual air temperature is about 2 degrees C.

Taxonomic classification: Sandy-skeletal, mixed Typic Cryorthents

Typical pedon

Whittell very cobbly loamy coarse sand, on a northeast-facing (18-degree) slope of 45 percent, at an elevation of 2,877 meters, in an area of Whittell-Jobsis-Rock outcrop complex, cool, 30 to 75 percent slopes.

When described on 9/17/2002, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

Oi—0 to 1 centimeter; slightly decomposed plant material.
A—1 to 18 centimeters; brown (10YR 5/3) very cobbly loamy coarse sand, dark brown (10YR 3/3) moist; 85 percent sand; 13 percent silt; 2 percent clay; weak fine granular structure; soft, very friable, nonsticky and nonplastic; common very fine, fine, and medium roots throughout; 20 percent gravel, 15 percent cobbles, and 10 percent stones; strongly acid (pH 5.4) by chlorophenol red; clear smooth boundary.
Bw—18 to 50 centimeters; yellowish brown (10YR 5/4) very stony loamy coarse sand, dark yellowish brown (10YR 4/4) moist; 85 percent sand; 14 percent silt; 1 percent clay; weak fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; few fine and common medium and coarse roots throughout; 20 percent gravel, 15 percent cobbles, and 15 percent stones; strongly acid (pH 5.4) by chlorophenol red; clear smooth boundary.
C—50 to 82 centimeters; yellowish brown (10YR 5/4) extremely stony loamy coarse sand; 85 percent sand; 14 percent silt; 1 percent clay; single grained; loose when dry, loose when moist, nonsticky and nonplastic when wet; few fine and medium roots throughout; 30 percent gravel, 20 percent cobbles, and 20 percent stones; strongly acid (pH 5.4) by chlorophenol red; clear wavy boundary.

Cr—82 to 152 centimeters; moderately cemented granodiorite bedrock.

Type location: El Dorado County, California; on the north side of Waterhouse Peak; 1,482 feet east and 409 feet south of northwest corner sec. 26, T. 11 N., R. 18 E.; Mount Diablo Base and Meridian; 38 degrees 46 minutes 37.5 seconds latitude and 119 degrees 57 minutes 47.6 seconds longitude; NAD83; USGS quadrangle: Freel Peak, California.

Range in characteristics

These soils are usually moist in the moisture control section. They are moist in fall, winter, and spring and usually are dry from July to early October. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 2 to 5 degrees C
Depth to paralithic contact: 50 to 100 centimeters
Percentage of the surface covered by rock fragments: 20 to 70 percent (10 to 60 percent by gravel, 10 to 55 percent by cobbles, 0 to 45 percent by stones, and 0 to 45 percent by boulders)

Particle-size control section:
- Content of rock fragments—35 to 80 percent (15 to 60 percent gravel, 5 to 45 percent cobbles, 5 to 45 percent stones, and 0 to 45 percent boulders; typically gravel in the upper part of the profile and the larger fragments closer to the paralithic contact
- Mineralogy—mixed

A horizon(s):
- Hue—10YR
- Value—4 to 5 dry, 2 or 3 moist
- Chroma—2 or 3 dry or moist
- Content of organic matter—1 to 3 percent
- Texture of the fine-earth fraction—loamy coarse sand
- Content of clay—0 to 5 percent
- Content of rock fragments—20 to 65 percent (15 to 30 percent gravel, 5 to 20 percent cobbles, 2 to 15 percent stones, and 0 to 5 percent boulders)
- Reaction—strongly acid to slightly acid

Bw horizon(s):
- Hue—10YR
- Value—4 to 6 dry, 3 to 5 moist
- Chroma—3 or 4 dry or moist
- Content of organic matter—0.5 to 1 percent
- Texture of the fine-earth fraction—coarse sand or loamy coarse sand
- Content of clay—0 to 5 percent
- Content of rock fragments—35 to 80 percent (15 to 50 percent gravel, 5 to 25 percent cobbles, 5 to 20 percent stones, and 0 to 5 percent boulders)
- Reaction—strongly acid to slightly acid

C horizon(s):
- Hue—2.5Y or 10YR
- Value—5 or 6 dry, 3 or 4 moist
- Chroma—3 to 6 dry or moist
- Content of organic matter—0 to 0.5 percent
- Texture of the fine-earth fraction—coarse sand or loamy coarse sand
- Content of clay—0 to 5 percent
- Content of rock fragments—35 to 85 percent (15 to 50 percent gravel, 5 to 45 percent cobbles, 5 to 45 percent stones, and 0 to 45 percent boulders)

Reaction—strongly acid to slightly acid

Windyridge Series

The Windyridge series consists of very shallow, somewhat excessively drained soils that formed in residuum and colluvium derived from granodiorite. These soils are on mountains. Slopes range from 8 to 30 percent. The mean annual precipitation is about 1,143 millimeters, and the mean annual air temperature is about 2 degrees C.

Taxonomic classification: Sandy-skeletal, mixed, shallow Typic Cryorthents

Typical pedon

Windyridge very gravelly loamy coarse sand, in an area of rangeland in the Freelpeak-Windyridge-Rock outcrop complex, 15 to 75 percent slopes.

The percentage of the surface covered by rock fragments is as follows: 65 percent by gravel, 5 percent by cobbles, and 2 percent by stones. Colors are for dry soil unless otherwise indicated.

A—0 to 5 centimeters; brown (10YR 5/3) very gravelly loamy coarse sand, dark yellowish brown (10YR 3/4) moist; weak fine granular structure; soft, very friable, nonsticky and nonplastic; common fine roots; many very fine interstitial pores; 50 percent gravel; very strongly acid; clear wavy boundary.

Bw—5 to 18 centimeters; brownish yellow (10YR 6/6) very gravelly loamy coarse sand, dark yellowish brown (10YR 4/6) moist; weak medium subangular blocky structure; soft, very friable, nonsticky and nonplastic; common very fine and few fine roots; many very fine interstitial and few very fine tubular pores; 50 percent gravel; very strongly acid; clear wavy boundary.

C—18 to 25 centimeters; very pale brown (10YR 7/4) very gravelly coarse sand, yellowish brown (10YR 5/4) moist; massive; soft, very friable, nonsticky and nonplastic; few very fine roots; many very fine interstitial pores; 50 percent gravel; very strongly acid; clear wavy boundary.

Cr—25 to 152 centimeters; soft, weathered granodiorite.

Type location: Alpine County, California; in the Toiyabe National Forest, about 2,100 feet southwest of Jobs Sister; approximately 1,900 feet north and 3,000 feet east of the southwest corner of sec. 31, T. 12 N., R. 19 E.; 38 degrees 51 minutes 28.5 seconds north latitude and 119 degrees 53 minutes 19.7 seconds west longitude; NAD27; USGS quadrangle: Freel Peak, California.

Range in characteristics

These soils are usually moist in the moisture control section during late fall and during winter and spring and are dry from mid-July to early October. They are dry for 60 to 80 consecutive days in the 4 months following the summer solstice. The soils have a typic xeric moisture regime.

Mean annual soil temperature: 2 to 4 degrees C
Mean summer soil temperature: 7 to 8 degrees C
Depth to bedrock: 10 to 25 centimeters to paralithic contact (contact with weathered granitic bedrock, such as granodiorite)
Reaction: Very strongly acid to moderately acid

Particle-size control section:
Content of clay—averages less than 10 percent
Content of rock fragments—averages 35 to 60 percent, mainly fine gravel
Lithology of the rock fragments—granitic rocks, such as granodiorite

A horizon:
Value—5 or 6 dry, 3 or 4 moist
Chroma—2 or 3 dry, 3 or 4 moist
Content of organic matter—1 to 3 percent

Bw horizon:
Value—6 or 7 dry, 4 or 5 moist
Chroma—3 to 6 dry or moist
Texture of the fine-earth fraction—coarse sand or loamy coarse sand
Content of clay—4 to 10 percent
Content of rock fragments—35 to 60 percent, mainly fine gravel (2 to 5 millimeters in diameter)

C horizon (where present):
Value—6 or 7 dry, 4 or 5 moist
Chroma—3 to 6 dry or moist
Texture of the fine-earth fraction—coarse sand or loamy coarse sand
Content of clay—4 to 10 percent
Content of rock fragments—35 to 60 percent, mainly fine gravel (2 to 5 millimeters in diameter)

Witefels Series

The Witefels series consists of moderately deep, somewhat excessively drained soils that formed in colluvium and residuum derived from granitic rocks. These soils are on mountains. Slopes range from 4 to 75 percent. The mean annual precipitation is about 1,015 millimeters, and the mean annual air temperature is about 4 degrees C.

Taxonomic classification: Mixed Typic Cryopsamments

Typical pedon

Witefels coarse sand, in a wooded area.

Colors are for dry soil unless otherwise indicated.

Oi—0 to 3 centimeters; fir needle duff.
A1—3 to 10 centimeters; dark grayish brown (10YR 4/2) coarse sand, very dark brown (10YR 2/2) moist; massive; soft, very friable, nonsticky and nonplastic; many fine and very fine roots; many very fine and fine pores; 5 percent gravel; moderately acid (pH 6.0); clear wavy boundary.
A2—10 to 23 centimeters; grayish brown (10YR 5/2) gravelly loamy coarse sand, very dark grayish brown (10YR 3/2) moist; massive; soft, very friable, nonsticky and nonplastic; many very fine and fine and few medium and coarse roots; many very fine and fine interstitial pores; 20 percent gravel; moderately acid (pH 6.0); clear wavy boundary.
AC—23 to 36 centimeters; grayish brown (10YR 5/2) gravelly loamy coarse sand, brown (10YR 4/3) moist; massive; soft, very friable, nonsticky and nonplastic; common very fine and fine and few medium and coarse roots; many very fine and fine interstitial pores; 25 percent gravel; moderately acid (pH 6.0); clear wavy boundary.
C1—36 to 66 centimeters; pale brown (10YR 6/3) gravelly loamy coarse sand, brown (10YR 4/3) moist; massive; soft, very friable, nonsticky and nonplastic; common very fine and few medium and coarse roots; many fine and very fine interstitial pores; 25 percent gravel; moderately acid (pH 6.0); clear wavy boundary.

C2—66 to 91 centimeters; light gray (10YR 7/2) gravelly coarse sand, brown (10YR 5/3) moist; massive; soft, very friable, nonsticky and nonplastic; very few roots; many very fine and fine interstitial pores; 30 percent gravel; moderately acid (pH 6.0); clear wavy boundary.
Cr—91 centimeters; granitic saprolite with rock structure.

Type location: Washoe County, Nevada; about 805 meters east and 610 meters south of the northwest corner of sec. 30, T. 16 N., R. 19 E.

Range in characteristics

These soils are usually moist, but they are dry between depths of 30 and 89 centimeters from late July until October l. They have a typic xeric moisture regime.

Mean annual soil temperature: 4 to 7 degrees C
Mean summer soil temperature: 6 to 8 degrees C
Particle-size control section: Coarse sand or loamy coarse sand with 15 to 35 percent fine gravel
Depth to paralithic contact: 50 to 100 centimeters from the mineral soil surface

A horizons:
Value—4 or 5 dry, 2 to 4 moist
Chroma—2 or 3 dry or moist
Texture of the fine-earth fraction—coarse sand or loamy coarse sand
Reaction—slightly acid to strongly acid

C horizons:
Value—5 to 7 dry, 4 or 5 moist
Chroma—2 or 3 dry or moist
Texture of the fine-earth fraction—coarse sand or loamy coarse sand
Reaction—slightly acid to strongly acid

Zephyrcove Series

The Zephyrcove series consists of moderately deep, well drained soils that formed in colluvium over residuum weathered from trachyte. These soils are on side slopes and ridgetops in the mountains. Slopes range from 9 to 70 percent. The mean annual precipitation is about 700 millimeters, and the mean annual air temperature is about 5.5 degrees C.

Taxonomic classification: Coarse-loamy, isotic, frigid Ultic Haploxeralfs

Typical pedon

Zephyrcove stony sandy loam, on a southeast-facing (139-degree) slope of 27 percent, at an elevation of 2,198 meters, in an area of Zephyrcove-Southcamp-Genoapeak complex, 9 to 30 percent slopes.

When described on 7/12/2004, the soil was dry throughout. Colors are for dry soil unless otherwise indicated.

Oi—0 to 6 centimeters; slightly decomposed plant material; 10 percent stones; abrupt smooth boundary.
Oe—6 to 11 centimeters; moderately decomposed plant material; 10 percent stones; abrupt smooth boundary.
A—11 to 18 centimeters; grayish brown (10YR 5/2) stony sandy loam, very dark grayish brown (10YR 3/2) moist; 3 percent clay; weak very fine granular structure; soft, very friable, nonsticky and nonplastic; many fine and very fine and

common medium and coarse roots; common very fine and fine interstitial pores; 5 percent gravel and 10 percent stones; neutral (pH 6.8); abrupt smooth boundary.

Bw—18 to 30 centimeters; pale brown (10YR 6/3) stony sandy loam, brown (10YR 4/3) moist; 4 percent clay; moderate medium and fine subangular blocky structure; soft, very friable, nonsticky and nonplastic; many fine, few medium, and common very fine roots; common very fine and fine interstitial pores; 5 percent gravel and 10 percent stones; slightly acid (pH 6.5); clear smooth boundary.

Bt1—30 to 41 centimeters; very pale brown (10YR 7/3) gravelly sandy loam, brown (10YR 5/3) moist; 8 percent clay; moderate fine and medium subangular blocky structure; soft, very friable, slightly sticky and slightly plastic; many fine, few medium, and common very fine roots; few very fine and fine interstitial pores; 5 percent faint clay films; 15 percent gravel; neutral (pH 6.8); abrupt smooth boundary.

Bt2—41 to 64 centimeters; very pale brown (10YR 7/3) gravelly sandy loam, yellowish brown (10YR 5/4) moist; 13 percent clay; moderate fine and medium subangular blocky structure; soft, very friable, slightly sticky and slightly plastic; many fine, few medium, and common very fine roots; 50 percent continuous distinct clay films; 15 percent gravel; neutral (pH 6.7); clear smooth boundary.

Bt3—64 to 88 centimeters; very pale brown (10YR 7/4) sandy clay loam, yellowish brown (10YR 5/4) moist; 24 percent clay; strong medium and fine subangular blocky structure; slightly hard, friable, slightly sticky and slightly plastic; common fine and medium and few coarse roots; 50 percent continuous distinct clay films; slightly acid (pH 6.4); clear wavy boundary.

Cr—88 to 152 centimeters; moderately cemented trachyte bedrock; massive; few medium roots in cracks more than 10 centimeters apart; 10 percent prominent clay films on the bedrock; slightly acid (pH 6.2).

Type location: Douglas County, Nevada; 509 meters south and 551 meters east of the northwest corner of sec. 13, T. 14 N., R. 18 E.; 39 degrees 4 minutes 44 seconds north latitude and 119 degrees 54 minutes 41 seconds west longitude; NAD83; USGS quadrangle: Glenbrook, Nevada.

Range in characteristics

These soils are usually dry for 45 to 75 consecutive days in late summer and early fall and are moist the rest of the year. They have a typic xeric moisture regime

Percentage of the surface covered by rock fragments: 12 to 35 percent (5 to 15 percent by boulders, 5 to 15 percent by stones, and 2 to 10 percent by cobbles)

Base saturation: 35 to 75 percent (by ammonium acetate)

Particle-size control section:

- Content of rock fragments—5 to 25 percent (0 to 25 percent gravel and 0 to 10 percent cobbles
- Content of clay—averages 8 to 18 percent clay; as much as 30 percent in individual horizons
- Mineralogy—isotic

A horizon:

- Hue—10YR
- Value—4 to 6 dry, 3 or 4 moist
- Chroma—2 to 4 dry or moist
- Texture of the fine-earth fraction—sandy loam or loamy sand
- Content of rock fragments—5 to 25 percent (2 to 15 percent gravel, 2 to 15 percent cobbles, and 2 to 15 percent stones)
- Content of organic matter—5 to 10 percent
- Reaction—slightly acid or neutral

Bw horizon:

Hue—10YR
Value—5 to 7 dry, 3 to 6 moist
Chroma—2 to 4 dry or moist
Texture of the fine-earth fraction—sandy loam or loamy sand
Content of rock fragments—5 to 25 percent (2 to 15 percent gravel, 2 to 15 percent cobbles, and 2 to 15 percent stones
Content of organic matter—1 to 3 percent
Reaction—slightly acid or neutral

Bt horizons:

Hue—10YR
Value—6 or 7 dry, 4 to 6 moist
Chroma—3 or 4 dry or moist
Texture of the fine-earth fraction—loamy sand, sandy loam, or sandy clay loam
Content of rock fragments—5 to 25 percent, mostly gravel and paragravel
Content of organic matter—0.25 to 1 percent
Reaction—slightly acid or neutral

Formation of the Soils

Soil is a natural body that is made up of solids (minerals and organic matter), liquid, and gases and that occupies space on the land surface. It is characterized by one or both of the following: horizons, or layers, that are distinguishable from the initial material as a result of additions, losses, transfers, and transformations of energy and matter or the ability to support rooted plants in a natural environment (Soil Survey Staff, 2006). The characteristics and properties of soil are determined by physical and chemical processes that result from the interaction of five soil-forming factors. These factors are climate, mainly the temperature and kind and amount of precipitation since the accumulation or exposure of the parent material; living organisms, mainly the plant cover and the organisms living in and on the soil (including humans); the length of time that the soil-forming factors have been operating; parent material, including the texture and structure of the material and its mineralogical and chemical composition; and topography, mainly as it affects internal and external soil properties, such as drainage, aeration, susceptibility to erosion, and exposure to the sun and wind (Jenny, 1941). The influence of any one of these factors varies at each locality, and the soils may differ accordingly from place to place or within short distances.

Soils are classified, mapped, and interpreted on the basis of various kinds of soil horizons and the arrangement of those horizons. The degree of expression of the soil horizons reflects the extent of interaction of soil-forming factors with one or more soil-forming processes, including additions, removals, transfers, and transformations (Simonson, 1959). The important diagnostic surface horizons in this survey area are mollic, histic, and umbric epipedons, and the more important diagnostic subsurface horizons are argillic horizons, duripans, dense till, and weak fragic materials (Soil Survey Staff, 2006).

Climate

The climate in this survey area is characterized by warm, dry summers and cold, moist winters. Most of the precipitation falls in the period November through April in the form of snow. Warm temperatures and moist soil conditions in spring are conducive to rapid chemical reactions. During periods of rainfall, water carrying dissolved or suspended solids moves through the soil. Weathering is generally limited in the cold winter months, but leaching processes become active with the temperature increases in spring and early summer. Weathering is most active in spring and least active in late summer and in winter. The soils in the Tahoe Basin may or may not weather in fall, depending on the timing of rain and the onset of cold temperatures. In soils that have a high water table, weathering can occur in summer and fall.

Topography and relief affect present-day climate variations. As elevation increases, temperature generally decreases and precipitation generally increases. Fluctuations in temperature and moisture affect the rate at which organic matter decomposes and accumulates and the weathering of minerals.

Living Organisms

The activities of living organisms, including soil flora, fauna, and humans, influence the formation and morphology of soils. Flora, such as fungi, helps to decompose organic matter. Some bacteria add atmospheric nitrogen to the soil. Fauna, such as bacteria, earthworms, small insects, and rodents, mix soil material through burrowing and tunneling. Abandoned tunnels commonly are filled with loose material from the overlying horizons and transmit water more readily than the surrounding undisturbed soil material.

The vegetation in the survey area has helped to stabilize land surfaces by protecting the surfaces against erosion. This stability has allowed the other soil-forming factors to affect the soils. Also, plant roots help to develop soil structure and aggregate stability.

Human activities have influenced the formation of numerous soils in the survey area. The most prevalent examples of human-altered soils are Oxyaquic Xerorthents made up of fill material in the Tahoe Keys. This material was brought in to fill a portion of the wetlands of the Upper Truckee River area in order to make the area suitable for development. Another example of human activities is the alteration of stream systems and the creation of such soils as the drained phase of the Tahoe series. The drained phase of this series formed under the influence of a high water table, as evidenced in the soil profile.

Human activities have altered the hydrology of the basin by adding impermeable surfaces and thus increasing the volume and speed with which water reaches the stream systems. As a result, the streams be can overloaded and streambank erosion can occur. This impact occurs not only on the impermeable surfaces but also in the surrounding areas. Because of heavy traffic, soils around structures are subject to compaction and a lowering of Ksat. Alteration of the vegetation in urban and residential areas also affects the soils and hydrology.

Time

The influence of time on soil formation is expressed through soil characteristics displayed in soil horizons. Gefo and other young soils that formed in glacial outwash have few distinctive characteristics and no diagnostic subsurface horizons. Jorge and Tahoma soils, which have argillic horizons, are examples of soils on older surfaces that have had the time to develop distinctive profile characteristics. Jabu soils, which formed in glacial outwash, are thought to have weak argillic horizons because they date back to an older glacial event and were not obliterated by more recent glaciations.

The youngest geomorphic surfaces in the survey area are the alluvial fans, flood plains, and basin floors associated with the major rivers and streams. The soils at the lowest elevations are on alluvial flats and flood plains. Tahoe and Watah soils are on the flood plains and alluvial flats at the lower elevations, and Bidart soils are on the ones at the higher elevations.

Parent Material

The soils at the lowest elevations in the survey area formed primarily in alluvium derived from igneous rocks. They are on alluvial flats and flood plains. Tahoe, Marla, and Bidart soils are examples. Most of the alluvial soils have been influenced by both igneous intrusive rocks (mostly granodiorite) and igneous extrusive rocks (mostly andesitic lahar) from the watershed above.

Christopher, Gefo, Jabu, and Oneidas soils on outwash plains are examples of soils that formed in outwash derived primarily from granodiorite. Inville soils are examples of soils that formed in outwash and alluvium derived from a mixture of granodiorite and volcanic rocks. Some of the soils at the lower elevations, such as Ubaj and Kingsbeach soils, were influenced by higher lake levels and are thus underlain by lacustrine materials.

The mountains in the survey area are dominated by colluvium from either granodiorite or volcanic materials. Cassenai and Cagwin soils on mountain slopes are examples of colluvial soils that formed in material weathered from granodiorite. Jorge and Tahoma soils on mountain slopes are examples of colluvial soils that formed in volcanic materials. A small pocket of metamorphic rocks is near Spooner Summit. Deerhill and Shakespeare soils are examples of soils that formed in colluvium over residuum weathered from metamorphic rocks. Deerhill soils are at low elevations, and Shakespeare soils are at the higher elevations. Soils that formed in material weathered from metamorphic rocks also occur in the Desolation Wilderness Area. Because of to their extreme shallow nature, remote location, and limited extent, however, these soils are included with other soils, such as Rockbound and Glenalpine soils, in mapping. Spooner Summit also has a small area of unique volcanic materials, unlike the typical andesitic lahar throughout the rest of the survey area. Porphyritic trachyte and latite dominate this area. Southcamp, Zephyrcove, Caverock, and Genoapeak are examples of the soils in this area. Different soils commonly form in different kinds of parent materials even when the difference in parent material may appear to be quite insignificant.

Parent material commonly is a major factor affecting the soils and vegetation in an area. The Relay Peak and Mount Baldy areas have soils that favor shrubs and forbs rather than forest vegetation. Mountrose, Wardcreek, and other soils in these areas are deep enough and have an available water capacity high enough for tree growth. The results of laboratory tests, however, show that the andesitic parent material is low in available nutrients and that the soils are close to having aluminum toxicity. Similar soils that are at similar elevations and that formed in material weathered from granodiorite, such as Whittell, Jobsis, and Dagget soils, support red fir, whitebark pine, and mountain hemlock. Interestingly enough, though, this same andesitic parent material at the lower elevations does support healthy forests. For example, Sky soils are in healthy stands of red fir and Waca soils, a little lower in elevation, are in stands of white fir.

Glaciation strongly influenced the parent material in the Lake Tahoe Basin. One of the glacial events that occurred in the basin is glacial deposition. Meeks, Tallac, Roadcat, Burnlake, and other soils formed in glacial till derived dominantly from granodiorite. Kneeridge and Paige soils have similar glacial histories, but they formed in material derived from volcanic rocks. Most of the soils that formed in glacial till are underlain by dense till at some depth. In some cases the till is deeper than is described in this soil survey report.

Glacial erosion is another glacial event that occurred in the basin. It occurred, for example, in the Desolation Wilderness Area, which is dominated by Rockbound and other shallow soils that are intermingled with Rock outcrop. It also occurred on valley sidewalls. Glenalpine soils are examples of soils that formed in colluvium and talus collecting in the pockets left behind by glacial erosion.

In areas of glacial outwash, glaciers left large quantities of sediment at the lower elevations in the basin. Christoper and Jabu soils are examples of soils in these areas. Glaciers also left behind small lakes that have subsequently filled with organic matter. Hellhole and similar soils formed in these areas.

Topography and Relief

The overall landscape in the survey area, mainly mountains and valleys, is the result of erosional and constructional processes. Because of the steep nature of the survey area, most of the landforms in the basin are dominated by the erosional process.

Depositional areas consist of flood plains, alluvial flats, fens, and footslopes. Most of these areas occur at the lowest elevations in the basin. Tahoe and Watah soils are examples of soils in these areas. The fens are at mid elevations in the survey area and are dominated by organic soils, such as Hellhole soils. Kneeridge soils, which formed in a mixture of colluvium and glacial till, are examples of soils on footslopes.

The more stable of the erosional surfaces are the outwash plains and terraces. The gently sloping and moderately sloping soils on these surfaces typically are well drained and have a high saturated hydraulic conductivity (Ksat). They are among the main sites for urban or residential development in the Tahoe Basin.

The mountain slopes that dominate the landscape of the survey area are steeper than the outwash plains and terraces. They constantly lose sediment to the landscape below and receive deposits from the slopes above. Because of steep slopes, the risk of erosion is high. The soils on the mountain slopes tend to have high Ksat values in the soil layers but in some areas are shallow to bedrock, which has much lower Ksat values.

Soils at the top and shoulders of the mountains are very young. They are constantly being eroded onto the slopes below. Freelpeak, Windyridge, and similar soils owe their abundance of small pebbles and cobbles to the freshly exfoliated granodiorite in which they form.

Different aspects have unique plant communities and associated soils that are readily recognized. On the eastern side of the Tahoe Basin, for example Cassenai soils typically are on the northern side of ridges and Cagwin soils are on the southern side. Compared to south aspects, north aspects have deeper soils that are higher in content of organic matter and that produce a denser, more productive forest. The harsher south aspects have shallower, rockier soils dominated by shrubs, such as greenleaf manzanita. Because of the shape of the basin and the location of the parent material, most of the soils in the basin occur on a dominant aspect.

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Glossary

AASHTO classification. A system for classifying soils specifically for geotechnical engineering purposes that is related to highway and airfield construction. It is based on particle-size distribution and Atterberg limits.

AASHTO group index (GI). An empirical index number used to evaluate clayey and silty clay material.

ABC soil. A soil having an A, a B, and a C horizon.

Ablation till. A general term for loose, relatively permeable material deposited during the downwasting of nearly static glacial ice. The material is either contained within the glacier or accumulated on the surface of the glacier.

AC soil. A soil having only an A and a C horizon. Commonly, such soil formed in recent alluvium or on steep, rocky slopes.

Aggregate, soil. Many fine particles held in a single mass or cluster. Natural soil aggregates, such as granules, blocks, or prisms, are called peds. Clods are aggregates produced by tillage or logging.

Alluvial fan. A low, outspread mass of loose material and/or rock material washed down the sides of mountains and hills. It commonly has gentle slopes and is shaped like an open fan or a segment of a cone. It is deposited by a stream at the place where the stream issues from a narrow mountain valley or where a tributary stream is near or at its junction with the main stream. An alluvial fan is steepest near its apex that points upstream, and it slopes gently and convexly outward with a gradual decrease in gradient.

Alluvium. Material, such as sand, silt, or clay, deposited on land by streams.

Alpha,alpha-dipyridyl. A dye that when dissolved in 1N ammonium acetate is used to detect the presence of reduced iron (Fe II) in the soil. A positive reaction indicates a type of redoximorphic feature.

Aquic conditions. Current soil wetness characterized by saturation, reduction, and redoximorphic features.

Argillic horizon. A subsoil horizon characterized by an accumulation of illuvial clay.

Aspect. The direction in which a slope faces.

Association, soil. A group of soils or miscellaneous areas geographically associated in a characteristic repeating pattern and defined and delineated as a single map unit.

Available water capacity (AWC) (available moisture capacity). The volume of water that should be available to plants if the soil, inclusive of fragments, were at field capacity. It is commonly estimated as the difference between the amount of water at field capacity and the amount at wilting point with adjustments for salinity, fragments, and rooting depth. It is commonly expressed as inches of water per inch of soil. The capacity, in inches, in a 60-inch profile or to a limiting layer is expressed as:

Very low	0 to 2.5
Low	2.5 to 5.0
Moderate	5.0 to 7.5
High	7.5 to 10.0
Very high	more than 10.0

AWC. See Available water capacity.

Backslope. The hillslope profile position that forms the steepest and generally linear, middle portion of the slope. In profile, backslopes commonly are bounded by a convex shoulder above and a concave footslope below. They may or may not include cliff segments, or free faces. Backslopes are commonly erosional forms produced by mass movement, colluvial action, and running water.

Basal area. The area of a cross section of a tree, generally referring to the section at breast height and measured outside the bark. It is a measure of stand density, commonly expressed in square feet.

Basal till. Compact glacial till deposited beneath the ice.

Base saturation. The degree to which material having cation-exchange properties is saturated with exchangeable bases (sum of Ca, Mg, Na, and K), expressed as a percentage of the total cation-exchange capacity.

Base slope. A geomorphic component of hills consisting of the concave to linear (perpendicular to the contour) slope that, regardless of the lateral shape, forms an apron or wedge at the bottom of a hillside dominated by colluvium and slope-wash sediments (for example, slope alluvium).

Basin. Nearly level to gently sloping bottom surface of a wide structural depression between mountain ranges.

Basin floor. A general term for the nearly level, lowermost part of intermontane basins, or bolsons and semibolsons. The floor includes all of the alluvial, eolian, and erosional landforms below the piedmont slope.

Batholith. A large body of igneous intrusive (plutonic) rock, commonly regional in extent, such as the Sierra Nevada batholith.

Beach terrace. A landform that consists of a wave-cut scarp and wave-built terrace of well-sorted marine and lacustrine sand and gravel. Colloquially, in the western United States, relict shoreline from pluvial lakes, generally restricted to valleysides.

Bedding planes. Fine strata, less than 5 millimeters thick, in unconsolidated alluvial, eolian, lacustrine, or marine sediment.

Bedding system. A drainage system made by plowing, grading, or otherwise shaping the surface of a flat field. It consists of a series of low ridges separated by shallow, parallel dead furrows.

Bedrock. A general term for the solid rock that underlies the soil and other unconsolidated material or that is exposed at the surface.

Bedrock-controlled topography. A landscape where the configuration and relief of the landforms are determined or strongly influenced by the underlying bedrock.

Bench terrace. A raised, level or nearly level strip of earth constructed on or nearly on a contour, supported by a barrier of rocks or similar material, and designed to make the soil suitable for tillage and to prevent accelerated erosion.

Bisequum. Two sequences of soil horizons, each of which consists of an illuvial horizon and the overlying eluvial horizons.

Bottom land. The normal flood plain of a stream, subject to flooding.

Boulders. Rock fragments larger than 2 feet (60 centimeters) in diameter.

Breaks. The steep and very steep broken land at the border of an upland summit that is dissected by ravines.

Breast height. An average height of 4.5 feet above the ground surface; the point on a tree where diameter measurements are ordinarily taken.

Brush management. Use of mechanical, chemical, or biological methods to make conditions favorable for reseeding or to reduce or eliminate competition from woody vegetation and thus allow understory grasses and forbs to recover. Brush management increases forage production and thus reduces the hazard of erosion. It can improve the habitat for some species of wildlife.

Bulk density. A measurement of the oven-dry weight of the soil material that is less than 2 millimeters in diameter per unit volume. Common measurements are taken at 1/3-, 1/10-, or 15-bar moisture tension. Bulk density influences plant growth and engineering applications. It is used to convert measurements from a weight basis to a volume basis. Within a family particle-size class, bulk density is an indicator of how well plant roots are able to extend into the soil. Bulk density is used to calculate porosity.

Cable yarding. A method of moving felled trees to a nearby central area for transport to a processing facility. Most cable yarding systems involve use of a drum, a pole, and wire cables in an arrangement similar to that of a rod and reel used for fishing. To reduce friction and soil disturbance, felled trees generally are reeled in while one end is lifted or the entire log is suspended.

Calcium carbonate equivalent. The amount of calcium carbonate in a soil measured by treating the soil sample with hydrochloric acid (HCL). The evolved carbon dioxide (CO_2) is measured, and the amount of carbonate is then calculated as calcium carbonate ($CaCO_3$).

California bearing ratio (CBR). The load-supporting capacity of a soil as compared to that of standard crushed limestone, expressed as a ratio. First standardized in California. A soil having a CBR of 16 supports 16 percent of the load that would be supported by standard crushed limestone, per unit area, with the same degree of distortion.

Cambic horizon. A mineral soil horizon that has the texture of loamy very fine sand or finer, has soil structure rather than rock structure, and contains some weatherable minerals. It is characterized by the alteration or removal of mineral material as indicated by mottling or gray color, stronger chroma or redder hue than the underlying horizons, or the removal of carbonates. The cambic horizon lacks cementation or induration and has too few evidences of illuviation to meet the requirements for an argillic horizon.

Canopy. The leafy crown of trees or shrubs. (See Crown.)

Canyon. A long, deep, narrow, very steep sided valley with high, precipitous walls in an area of high local relief.

Capillary water. Water held as a film around soil particles and in tiny spaces between particles. Surface tension is the adhesive force that holds capillary water in the soil.

Catena. A sequence of soils on a landscape that are about the same age and formed in similar kinds of parent material under similar climatic conditions but have different characteristics as a result of differences in relief and drainage.

Cathodic protection. Control of the electrolytic corrosion of an underground or underwater metallic structure, such as a pipeline, by the application of an electrical current in such a way that the structure acts as the cathode rather than the anode of an electrolytic cell. (See Coatings for pipelines.)

Cation. An ion carrying a positive charge of electricity. The common soil cations are calcium, potassium, magnesium, sodium, and hydrogen.

Cation-exchange capacity (CEC). The total amount of exchangeable cations that can be held by the soil, expressed in terms of milliequivalents per 100 grams of soil at neutrality (pH 7.0) or at some other stated pH value. The term, as applied to soils, is synonymous with base-exchange capacity but is more precise in meaning.

CEC. See Cation-exchange capacity.

Chemical treatment. Control of unwanted vegetation through the use of chemicals.

Cinders. Uncemented vitric, vesicular, pyroclastic material more than 2 millimeters in at least one dimension with apparent specific gravity (including vesicles) of more than 1 and less than 2.

Cirque. A semicircular, concave, bowllike area that has steep faces primarily resulting from the erosiveness of a mountain glacier.

Clay. As a soil separate, the mineral soil particles less than 0.002 millimeter in diameter. As a soil textural class, soil material that is 40 percent or more clay, less than 45 percent sand, and less than 40 percent silt.

Clay depletions. Low-chroma zones having a low content of iron, manganese, and clay because of the chemical reduction of iron and manganese and the removal of iron, manganese, and clay. A type of redoximorphic depletion.

Clay film. A thin coating of oriented clay on the surface of a soil aggregate or lining pores or root channels. Synonyms: clay coating, clay skin.

Clayey. Sandy clay, silty clay, and clay soil textures.

Climax plant community. The stabilized plant community on a particular site. The plant cover reproduces itself and does not change so long as the environment remains the same.

Coarse fragments. See Rock fragments.

Coarse textured soil. Sand or loamy sand.

Coatings for pipelines. Coatings used as a barrier to the flow of electricity and moisture, thereby preventing the formation of corrosion cells.

Cobble (or cobblestone). A rounded or partly rounded fragment of rock 3 to 10 inches (7.6 to 25 centimeters) in diameter.

Cobbly soil material. Material that has 15 to 35 percent, by volume, rounded or partially rounded rock fragments 3 to 10 inches (7.6 to 25 centimeters) in diameter. Very cobbly soil material has 35 to 60 percent of these rock fragments, and extremely cobbly soil material has more than 60 percent.

COLE (coefficient of linear extensibility). See Linear extensibility.

Colluvium. Unconsolidated, unsorted earth material transported or deposited on side slopes and/or at the base of slopes by mass movement, or direct gravitational action, and by local unconcentrated runoff.

Compaction. The process by which the soil grains are rearranged to decrease void space and bring them into closer contact with one another, thereby increasing bulk density.

Complex slope. Irregular or variable slope. Planning or establishing terraces, diversions, and other water-control structures on a complex slope is difficult.

Complex, soil. A map unit of two or more kinds of soil or miscellaneous areas in such an intricate pattern or so small in area that it is not practical to map them separately at the selected scale of mapping. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas.

Concretions. Cemented bodies with crude internal symmetry organized around a point, a line, or a plane. They typically take the form of concentric layers visible to the naked eye. Calcium carbonate, iron oxide, and manganese oxide are common compounds making up concretions. If formed in place, concretions of iron oxide or manganese oxide are generally considered a type of redoximorphic concentration.

Conglomerate. A coarse grained, clastic sedimentary rock composed of rounded or subangular rock fragments more than 2 millimeters in diameter, commonly with a matrix of sand and finer textured material. Cementing agents include silica, calcium carbonate, and iron oxide. Conglomerate is the consolidated equivalent of gravel.

Consistence, soil. Refers to the degree of cohesion and adhesion of soil material and its resistance to deformation when ruptured. Consistence includes resistance of soil material to rupture and to penetration; plasticity, toughness, and stickiness of puddled soil material; and the manner in which the soil material behaves when subject to compression. Terms describing consistence are defined in the “Soil Survey Manual.”

Control section. The part of the soil on which classification is based. The thickness varies among different kinds of soil, but for many it is that part of the soil profile between depths of 10 inches and 40 or 80 inches.

Corrosion. Soil-induced electrochemical or chemical action that dissolves or weakens concrete or uncoated steel.

Crown. The upper part of a tree or shrub, including the living branches and their foliage.

Cryoturbation. A collective term used to describe all soil movement as a result of frost action, including the folding, breaking, and dislocating of beds and lenses of unconsolidated material.

Culmination of the mean annual increment (CMAI). The average annual increase per acre in the volume of a stand. Computed by dividing the total volume of the stand by its age. As the stand increases in age, the mean annual increment continues to increase until mortality begins to reduce the rate of increase. The point where the stand reaches its maximum annual rate of growth is called the culmination of the mean annual increment.

Debris flow (mass movement). The process, associated sediment (debris flow deposit), or resultant landform characterized by a very rapid type of flow dominated by sudden downslope movement of a mass of rock, soil, and mud (more than 50 percent particles that are more than 2 millimeters in size) that behaves much like viscous fluid whether it is saturated or relatively dry.

Deep soil. See Depth, soil.

Depth, soil. Generally, the thickness of the soil over bedrock. Very deep soils are more than 60 inches deep over bedrock; deep soils, 40 to 60 inches; moderately deep, 20 to 40 inches; shallow, 10 to 20 inches; and very shallow, less than 10 inches.

Depth to bedrock (in tables). Bedrock is too near the surface for the specified use.

Dip slope. A slope of the land surface, roughly determined by and approximately conforming to the dip of the underlying bedded rock (for example, the long, gently inclined surface of a cuesta).

Diversion (or diversion terrace). A ridge of earth, generally a terrace, built to protect downslope areas by diverting runoff from its natural course.

Drainage class (natural). Refers to the frequency and duration of wet periods under conditions similar to those under which the soil formed. Alterations of the water regime by human activities, either through drainage or irrigation, are not a consideration unless they have significantly changed the morphology of the soil. Seven classes of natural soil drainage are recognized—*excessively drained, somewhat excessively drained, well drained, moderately well drained, somewhat poorly drained, poorly drained,*and *very poorly drained*. These classes are defined in the "Soil Survey Manual."

Drainage, surface. Runoff, or surface flow of water, from an area.

Drainageway. A general term for a course or channel along which water moves in draining an area.

Drift. Pulverized and other rock material transported by glacial ice and then deposited. Also, the sorted and unsorted material deposited by streams flowing from glaciers.

Duff. A generally firm organic layer on the surface of mineral soils. It consists of fallen plant material that is in the process of decomposition and includes everything from the litter on the surface to underlying pure humus.

Dune. A low mound, ridge, bank, or hill of loose, windblown, granular material (generally sand), either barren or covered with vegetation, that is capable of movement from place to place but always retains its characteristic shape.

Duripan. A subsurface soil horizon that is cemented with illuvial silica, commonly opal or microcrystalline forms, to the degree that less than 50 percent of the volume of air-dry fragments will slake in water or hydrochloric acid.

EC. See Electrical conductivity.

Ecological site. An area where climate, soil, and relief are sufficiently uniform to produce a distinct natural plant community. An ecological site is the product of all the environmental factors responsible for its development. It is typified by an association of species that differ from those on other ecological sites in kind and/or proportion of species or in total production.

Electrical conductivity (EC). The electrolytic conductivity of an extract from saturated soil paste.

Eluviation. The movement of material in true solution or colloidal suspension from one place to another within the soil. Soil horizons that have lost material through eluviation are eluvial; those that have received material are illuvial.

Endosaturation. A type of saturation of the soil in which all horizons between the upper boundary of saturation and a depth of 2 meters are saturated.

Eolian material. Material transported and deposited by wind, including earth material such as dune sand, sand sheets, loess, and clay.

Ephemeral stream. A stream, or reach of a stream, that flows only in direct response to precipitation. It receives no long-continued supply from melting snow or other source, and its channel is above the water table at all times.

Episaturation. A type of saturation indicating a perched water table in a soil in which saturated layers are underlain by one or more unsaturated layers within 2 meters of the surface.

Erosion. The wearing away of the land surface by water, wind, ice, or other geologic agents and by such processes as gravitational creep.

Erosion (geologic). Erosion caused by geologic processes acting over long geologic periods and resulting in the wearing away of mountains and the building up of such landscape features as flood plains and coastal plains. Synonym: natural erosion.

Erosion (accelerated). Erosion much more rapid than geologic erosion, mainly as a result of human or animal activities or of a catastrophe in nature, such as a fire, that exposes the surface.

Erosion pavement. A concentration of gravel or coarser fragments that remains on the soil surface after finer particles have been removed by running water or wind.

Escarpment. A relatively continuous and steep slope or cliff breaking the general continuity of more gently sloping land surfaces and resulting from erosion or faulting. The term is most commonly applied to cliffs produced by differential erosion. Synonym: scarp.

Extrusive. Pertaining to igneous rock and sediment derived from deep-seated molten matter (magma) deposited and cooled on the earth's surface, including lava flows and tephra deposits.

Family, soil. The most specific hierarchical category in soil taxonomy.

Fan piedmont. The most extensive landform on piedmont slopes that is formed either by the lateral downslope coalescence of mountain-front alluvial fans into one generally smooth slope with or without the transverse undulations of the semiconical alluvial fans or by the accretion of fan aprons.

Fan remnant. A general term for landforms that are the remaining parts of older fan landforms, such as alluvial fans, fan aprons, inset fans, and fan skirts, that either have been dissected (erosional fan remnants) or partially buried (nonburied fan remnants). An erosional fan remnant has a relatively flat summit that is a relict fan surface. A nonburied fan remnant is a relict surface in its entirety.

Fan terrace. See Fan remnant.

Fertility, soil. The quality that enables a soil to provide plant nutrients, in adequate amounts and in proper balance, for the growth of specified plants when light, moisture, temperature, tilth, and other growth factors are favorable.

Fibric soil material (peat). The least decomposed of all organic soil material. Peat contains a large amount of well preserved fiber that is readily identifiable according to botanical origin. Peat has the lowest bulk density and the highest water content at saturation of all organic soil material.

Field moisture capacity. The moisture content of a soil, expressed as a percentage of the ovendry weight, after the gravitational, or free, water has drained away; the field moisture content 2 or 3 days after a soaking rain; also called *normal field capacity, normal moisture capacity,* or *capillary capacity*.

Fill slope. A sloping surface consisting of excavated soil material from a road cut. It commonly is on the downhill side of the road.

Fine textured soil. Sandy clay, silty clay, or clay.

Firebreak. Area cleared of flammable material to stop or help control creeping or running fires. It also serves as a line from which to work and to facilitate the movement of firefighters and equipment. Designated roads also serve as firebreaks.

First bottom. The normal flood plain of a stream, subject to frequent or occasional flooding.

Flaggy soil material. Material that has, by volume, 15 to 35 percent flagstones. Very flaggy soil material has 35 to 60 percent flagstones, and extremely flaggy soil material has more than 60 percent flagstones.

Flagstone. A thin fragment of sandstone, limestone, slate, shale, or (rarely) schist 6 to 15 inches (15 to 38 centimeters) long.

Flood plain. The nearly level plain that borders a stream and is subject to inundation under floodstage conditions unless protected artificially. It is commonly a constructional landform consisting of sediment deposited during overflow and lateral migration of a stream.

Fluvial. Of or pertaining to rivers; produced by river action.

Foothill. A steeply sloping upland that has relief of as much as 1,000 feet (300 meters) and fringes a mountain range or high-plateau escarpment.

Footslope. The position that forms the inner, gently inclined surface at the base of a hillslope. In profile, footslopes are commonly concave. A footslope is a transition zone between upslope sites of erosion and transport (shoulders and backslopes) and downslope sites of deposition (toeslopes).

Forb. Any herbaceous plant not a grass or a sedge.

Forest cover. All trees and other woody plants (underbrush) covering the ground in a forest.

Forest type. A stand of trees similar in composition and development because of given physical and biological factors by which it may be differentiated from other stands.

Fragipan. A loamy, brittle subsurface horizon low in porosity and content of organic matter and low or moderate in clay but high in silt or very fine sand. A fragipan appears cemented and restricts roots. When dry, it is hard or very hard and has a higher bulk density than the horizon or horizons above. When moist, it tends to rupture suddenly under pressure rather than to deform slowly.

Fragments. Unattached cemented pieces of bedrock, bedrocklike material, durinodes, concretions, and nodules 2 millimeters in diameter or larger in mineral soils; woody material 20 millimeters in diameter or larger in organic soils.

Genesis, soil. The mode of origin of the soil. Refers especially to the processes or soil-forming factors responsible for the formation of the solum, or true soil, from the unconsolidated parent material.

Glacial. Of or pertaining to the presence and activity of ice and glaciers, such as glacial erosion; pertaining to distinctive features and material produced by or derived from glaciers and ice sheets, such as glacial lakes; or pertaining to an ice age or region of glaciation.

Glacial drift. See Drift.

Glacial outwash. See Outwash.

Glacial till. See Till.

Glaciofluvial deposits. Material moved by glaciers and subsequently sorted and deposited by streams flowing from the melting ice. The deposits are stratified and occur as outwash plains, valley trains, deltas, kames, eskers, and kame terraces.

Glaciolacustrine deposits. Material ranging from fine clay to sand derived from glaciers and deposited in glacial lakes mainly by glacial meltwater. Many deposits are interbedded or laminated with varves or rhythmites.

Gleyed soil. Soil that formed under poor drainage, resulting in the reduction of iron and other elements in the profile and in gray colors.

Granite. A felsic igneous intrusive rock containing quartz and orthoclase with smaller amounts of sodic plagioclase and commonly muscovite.

Granitic. A textural term commonly pertaining to an igneous intrusive rock of felsic to intermediate composition. Referring to granitelike rock, but not necessarily true granite. Commonly applied to granite, quartz monzonite, granodiorite, and diorite.

Granodiorite. An igneous intrusive rock that is intermediate between felsic and mafic in composition and contains quartz and somewhat more plagioclase than orthoclase.

Grassed waterway. A natural or constructed waterway, typically broad and shallow, seeded to grass as protection against erosion. Conducts surface water away from cropland.

Gravel. Rounded or angular fragments of rock as much as 3 inches (2 millimeters to 7.6 centimeters) in diameter. An individual piece is a pebble.

Gravelly soil material. Material that has 15 to 35 percent, by volume, rounded or angular rock fragments, not prominently flattened, as much as 3 inches (7.6 centimeters) in diameter.

Ground water. Water filling all the unblocked pores of the material below the water table.

Gully. A small channel with steep sides cut by the concentrated, but intermittent, flow of water commonly during and immediately following heavy rainfall or following icemelt or snowmelt. A gully generally is an obstacle to wheeled vehicles and is too deep to be obliterated by ordinary tillage; a rill is of lesser depth and can be smoothed over by ordinary tillage.

Hard bedrock. Bedrock that cannot be excavated except by blasting or by the use of special equipment that is not commonly used in construction.

Hardpan. A hardened or cemented soil horizon, or layer. The soil material is sandy, loamy, or clayey and is cemented by iron oxide, silica, calcium carbonate, or other substance.

Head out. To form a flower head.

Hemic soil material (mucky peat). Organic soil material intermediate in degree of decomposition between the less decomposed fibric material and the more decomposed sapric material.

Hill. A generic term for an area of the land surface that rises as much as 1,000 feet (300 meters) above surrounding lowlands, commonly has restricted summit area relative to surrounding surfaces, and has a well-defined outline; hillsides generally have slopes of more than 15 percent. The distinction between a hill and a mountain is arbitrary and commonly is dependent on local usage.

Holocene. The epoch of the Quaternary period of geologic time that extends from the end of the Pleistocene (about 10 to 12 thousand years ago) to the present.

Horizon, soil. A layer of soil, approximately parallel to the surface, having distinct characteristics produced by soil-forming processes. In the identification of soil horizons, an uppercase letter represents the major horizons. Numbers or lowercase letters that follow represent subdivisions of the major horizons. An explanation of the subdivisions is given in the "Soil Survey Manual." The major horizons of mineral soil are as follows:

O horizon.—An organic layer of fresh and decaying plant residue.

A horizon.—The mineral horizon at or near the surface in which an accumulation of humified organic matter is mixed with the mineral material. Also, a plowed surface horizon, most of which was originally part of a B horizon.

E horizon.—The mineral horizon in which the main feature is loss of silicate clay, iron, aluminum, or some combination of these.

B horizon.—The mineral horizon below an A horizon. The B horizon is in part a layer of transition from the overlying A to the underlying C horizon. The B horizon also has distinctive characteristics, such as (1) accumulation of clay, sesquioxides, humus, or a combination of these; (2) prismatic or blocky structure; (3) redder or browner colors than those in the A horizon; or (4) a combination of these.

C horizon.—The mineral horizon or layer, excluding indurated bedrock, that is little affected by soil-forming processes and does not have the properties typical of the overlying soil material. The material of a C horizon may be either like or unlike that in which the solum formed. If the material is known to differ from that in the solum, an Arabic numeral, commonly a 2, precedes the letter C.

Cr horizon.—Soft, consolidated bedrock beneath the soil.

R layer.—Consolidated bedrock beneath the soil. The bedrock commonly underlies a C horizon, but it can be directly below an A or a B horizon.

Hummock. Rounded or conical mound or other small rise.

Humus. The well decomposed, more or less stable part of the organic matter in mineral soils.

Hydrologic soil groups. Refers to soils grouped according to their runoff potential. The soil properties that influence this potential are those that affect the minimum rate of water infiltration on a bare soil during periods after prolonged wetting when the soil is not frozen. These properties are depth to a seasonal high water table, the infiltration rate and permeability after prolonged wetting, and depth to a very slowly permeable layer. The slope and the kind of plant cover are not considered but are separate factors in predicting runoff.

Igneous rock. Rock formed by solidification from a molten or partially molten state. Major varieties include plutonic and volcanic rock. Examples are andesite, basalt, and granite.

Illuviation. The movement of soil material from one horizon to another in the soil profile. Generally, material is removed from an upper horizon and deposited in a lower horizon.

Impervious soil. A soil through which water, air, or roots penetrate slowly or not at all. No soil is absolutely impervious to air and water all the time.

Increasers. Species in the climax vegetation that increase in amount as the more desirable plants are reduced by close grazing. Increasers commonly are the shorter plants and the less palatable to livestock.

Infiltration. The downward entry of water into the immediate surface of soil or other material, as contrasted with percolation, which is movement of water through soil layers or material.

Infiltration capacity. The maximum rate at which water can infiltrate into a soil under a given set of conditions.

Infiltration rate. The rate at which water penetrates the surface of the soil at any given instant, usually expressed in inches per hour. The rate can be limited by the infiltration capacity of the soil or the rate at which water is applied at the surface.

Inset fan. Specific name for the flood plain of an ephemeral stream that is confined between fan remnants, ballenas, basin floor remnants, or closely opposed fan toeslopes of a basin.

Intermittent stream. A stream, or reach of a stream, that does not flow year-round (commonly is dry for 3 months or more annually), and its channel generally is below the local water table. It flows only when it receives baseflow during wet periods or when it receives ground-water discharge or long, continued contributions from melting snow or other surface and shallow subsurface sources.

Intrusive. Pertaining to igneous rock derived from molten matter (magma) that invaded pre-existing rock and cooled below the surface of the earth.

Invaders. On range, plants that encroach into an area and grow after the climax vegetation has been reduced by grazing. Generally, plants invade following disturbance of the surface.

Iron depletions. Low-chroma zones having a low content of iron and manganese oxide because of chemical reduction and removal, but having a clay content similar to that of the adjacent matrix. A type of redoximorphic depletion.

Irrigation. Application of water to soils to assist in production of crops. Methods of irrigation are:

Basin.—Water is applied rapidly to nearly level plains surrounded by levees or dikes.

Border.—Water is applied at the upper end of a strip in which the lateral flow of water is controlled by small earth ridges called border dikes, or borders.

Controlled flooding.—Water is released at intervals from closely spaced field ditches and distributed uniformly over the field.

Corrugation.—Water is applied to small, closely spaced furrows or ditches in fields of close-growing crops or in orchards so that it flows in only one direction.

Drip (or trickle).—Water is applied slowly and under low pressure to the surface of the soil or into the soil through such applicators as emitters, porous tubing, or perforated pipe.

Furrow.—Water is applied in small ditches made by cultivation implements. Furrows are used for tree and row crops.

Level basin (or paddy).—Water is applied to a level plain surrounded by levees or dikes.

Sprinkler.—Water is sprayed over the soil surface through pipes or nozzles from a pressure system.

Subirrigation.—Water is applied in open ditches or tile lines until the water table is raised enough to wet the soil.

Wild flooding.—Water, released at high points, is allowed to flow onto an area without controlled distribution.

K factor. A measurement of potential soil erodibility caused by detachment of soil particles by water.

Kame. A low mound, knob, hummock, or short irregular ridge of stratified sand and gravel deposited by a subglacial stream as a fan or delta at the margin of a melting glacier, by a supraglacial stream in a low place or hole on the surface of a glacier, or by a ponded area, some of which are at the margin of stagnant ice.

Knoll. A small, low, rounded hill rising above adjacent landforms.

Lacustrine deposit. Clastic sediment and chemical precipitates deposited in lakes.

Landslide. The rapid downhill movement of a mass of soil and loose rock, generally when wet or saturated. The speed and distance of movement, as well as the amount of soil and rock material, vary greatly.

Leaching. The removal of soluble material from soil or other material by percolating water.

LEP. See Linear extensibility percent.

Linear extensibility. Refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. Linear extensibility is used to determine the shrink-swell potential of soils. It is an expression of the volume change between the water content of the clod at 1/3- or 1/10-bar tension (33kPa or 10kPa tension) and oven dryness. Volume change is influenced by the amount and type of clay minerals in the soil. The volume change is the percent change for the whole soil. If it is expressed as a fraction, the resulting value is COLE, coefficient of linear extensibility.

Linear extensibility percent (LEP). The linear expression of the volume difference between the water content of the natural soil fabric at 1/3-bar or 1/10-bar and oven dryness. The volume change is reported as a percent for the whole soil.

Liquid limit (LL). The moisture content at which the soil passes from a plastic to a liquid state.

LL. See Liquid limit.

Loam. Soil material that is 7 to 27 percent clay particles, 28 to 50 percent silt particles, and less than 52 percent sand particles.

Loamy. Coarse sandy loam, sandy loam, fine sandy loam, very fine sandy loam, loam, silt loam, silt, clay loam, sandy clay loam, and silty clay loam soil textures.

Low-residue crops. Such crops as corn used for silage, peas, beans, and potatoes. Residue from these crops is not adequate to control erosion until the next crop in the rotation is established. These crops return little organic matter to the soil.

Low strength. The soil is not strong enough to support loads.

Magma. Molten rock material that originates deep in the earth and solidifies to form igneous rock.

Masses. Concentrations of substances in the soil matrix that do not have a clearly defined boundary with the surrounding soil material and cannot be removed as a discrete unit. Common compounds making up masses are calcium carbonate, gypsum or other soluble salts, iron oxide, and manganese oxide. Masses consisting of iron oxide or manganese oxide generally are considered a type of redoximorphic concentration.

Mechanical treatment. Use of mechanical equipment for seeding, brush management, and other management practices.

Medium textured soil. Very fine sandy loam, loam, silt loam, or silt.

Metamorphic rock. Rock of any origin altered in mineralogical composition, chemical composition, or structure by heat, pressure, and movement in the earth's crust. Nearly all such rocks are crystalline. Examples are schist, gneiss, quartzite, slate, and marble.

Metasediment. A sediment or sedimentary rock that shows evidence of having been subjected to metamorphism.

Metavolcanic. A volcanic rock that shows evidence of metamorphism but has not been fully metamorphosed into metamorphic rock.

Mineral soil. Soil that is mainly mineral material and low in organic material. Its bulk density is more than that of organic soil.

Miscellaneous area. An area that has little or no natural soil and supports little or no vegetation.

Moderately coarse textured soil. Coarse sandy loam, sandy loam, or fine sandy loam.

Moderately deep soil. See Depth, soil.

Moderately fine textured soil. Clay loam, sandy clay loam, or silty clay loam.

Mollic epipedon. A thick, dark, humus-rich surface horizon (or horizons) that has high base saturation and pedogenic soil structure. It may include the upper part of the subsoil.

Moraine. A general term for a landform composed mainly of till deposited by either an active or extinct glacier. Some types are disintegration, end, lateral, recessional, and terminal.

Morainic material. A mound, ridge, or other distinct accumulation of unsorted, unstratified glacial drift, dominantly till, primarily from glacial ice.

Morphology, soil. The physical makeup of the soil, including the texture, structure, porosity, consistence, color, and other physical, mineral, and biological properties of the various horizons, and the thickness and arrangement of those horizons in the soil profile.

Mottling, soil. Irregular spots of different colors that vary in number and size. Descriptive terms are as follows: abundance—*few, common,* and *many;*size—*fine, medium,* and *coarse;*and contrast—*faint, distinct,* and *prominent*. The size measurements are of the diameter along the greatest dimension. *Fine*indicates less than 5 millimeters (about 0.2 inch); *medium,*from 5 to 15 millimeters (about 0.2 to 0.6 inch); and *coarse,*more than 15 millimeters (about 0.6 inch).

Mountain. A natural elevation of the land surface that rises more than 1,000 feet (300 meters) above surrounding lowlands, commonly has limited summit area relative to surrounding surfaces, and generally has steep sides (slopes of more than 25 percent) with or without considerable bare-rock surface. A mountain can occur as a single, isolated mass or in a group forming a chain or range. Mountains are formed primarily by tectonic and/or volcanic activity and by differential erosion.

Muck. Unconsolidated soil material consisting primarily of highly decomposed organic material in which the original plants are not recognizable. It generally contains more mineral material and is darker in color than peat. (See Sapric soil material.)

Munsell notation. A designation of color by degrees of three simple variables—hue, value, and chroma. For example, a notation of 10YR 6/4 is a color with hue of 10YR, value of 6, and chroma of 4.

Neutral soil. A soil having a pH value of 6.6 to 7.3. (See Reaction, soil.)

Nodules. Cemented bodies lacking visible internal structure. Calcium carbonate, iron oxide, and manganese oxide are common compounds making up nodules. If formed in place, nodules of iron oxide or manganese oxide are considered types of redoximorphic concentrations.

Nose slope. A geomorphic component of hills consisting of the projecting end (laterally convex area) of a hillside. The overland waterflow is predominantly divergent.

Nutrient, plant. Any element taken in by a plant essential to its growth. Plant nutrients are mainly nitrogen, phosphorus, potassium, calcium, magnesium, sulfur, iron, manganese, copper, boron, and zinc obtained from the soil and carbon, hydrogen, and oxygen obtained from the air and water.

OM. See Organic matter.

Organic matter (OM). Plant and animal residue in the soil in various stages of decomposition. The content of organic matter in the surface layer is described as follows:

Very low	less than 0.5 percent
Low	0.5 to 1.0 percent
Moderately low	1.0 to 2.0 percent
Moderate	2.0 to 4.0 percent
High	4.0 to 8.0 percent
Very high	more than 8.0 percent

Outwash. Gravel, sand, and silt, commonly stratified, deposited by glacial meltwater.

Outwash plain. An extensive lowland area of coarse textured glaciofluvial material. An outwash plain commonly is smooth; where pitted as a result of meltout of incorporated ice masses, it generally has low relief.

Pan. A compact, dense layer in a soil that impedes the movement of water and the growth of roots. For example, *hardpan, fragipan, claypan, plowpan,* and *traffic pan*.

Parent material. The unconsolidated and chemically weathered mineral and organic material in which the solum of a soil is formed as a result of pedogenic processes.

Peat. Unconsolidated soil material consisting largely of undecomposed or slightly decomposed organic matter that has accumulated under excessive moisture conditions. (See Fibric soil material.)

Ped. An individual natural soil aggregate, such as a granule, a prism, or a block.

Pediment. A gently sloping erosional surface at the foot of a receding hill or mountain slope. The surface may be essentially bare, exposing earth material that extends beneath adjacent uplands, or it may have a thin mantle of alluvium and colluvium, ultimately in transit from the upland front to the basin or valley lowland. On hill footslope terrain, the mantle is designated “pedisediment.” The term pediment is used in several geomorphic contexts: (1) landscape positions, for example, intermontane basin piedmont or valley border footslope surfaces, or respectively, apron and terrace pediments; (2) type of material eroded, either bedrock or regolith; or (3) a combination of these.

Pedisediment. A layer of sediment eroded from the shoulder and backslope of an erosional slope that is being transported or was transported across a pediment.

Pedon. The smallest volume that can be called “a soil.” A pedon is three dimensional and large enough to permit study of all horizons. Its area ranges from about 10 to 100 square feet (1 square meter to 10 square meters), depending on the variability of the soil.

Perched water table. The upper surface of unconfined ground water separated from an underlying main body of ground water by an unsaturated zone.

Percolation. The downward movement of water through the soil.

Permeability. The quality of the soil that enables water or air to move downward through the profile. The rate at which a saturated soil transmits water is accepted as a measure of this quality.

Phase, soil. A subdivision of a soil series based on features that affect its use and management, such as slope, stoniness, and flooding.

pH value. A numerical designation of acidity and alkalinity in soil. (See Reaction, soil.)

PI. See Plasticity index.

Plastic limit. The moisture content at which a soil changes from semisolid to plastic.

Plasticity index (PI). The numerical difference between the liquid limit and the plastic limit; the range of moisture content within which the soil remains plastic.

Plateau. A comparatively flat area of great extent and elevation. Specifically, an extensive land region considerably elevated (more than 100 meters) above adjacent lower lying terrain that is commonly limited on at least one side by an abrupt descent and has a flat or nearly level surface. A relatively large part of a plateau surface is near summit level.

Pleistocene. The epoch of the Quaternary period of geologic time following the Pliocene and preceding the Holocene (approximately 2 million to 10 thousand years ago). Also refers to the corresponding (time-stratigraphic) “series” of earth material.

Ponding. Standing water on soils in closed depressions. Unless the soils are artificially drained, the water can be removed only by percolation or evapotranspiration.

Poorly graded. Refers to a coarse grained soil or soil material consisting mainly of particles of nearly the same size. Because there is little difference in size of the particles, density can be increased only slightly by compaction.

Potential native plant community. See Climax plant community.

Potential rooting depth (effective rooting depth). Depth to which roots could penetrate if the content of moisture in the soil were adequate. The soil has no properties restricting the penetration of roots to this depth.

Prescribed burning. Deliberately burning an area for specific management purposes, under the appropriate conditions of weather and soil moisture and at the proper time of day.

Productivity, soil. The capability of a soil for producing a specified plant or sequence of plants under specific management.

Profile, soil. A vertical section of the soil extending through all its horizons and into the parent material.

Proper grazing use. Grazing at an intensity that maintains enough cover to protect the soil and maintain or improve the quantity and quality of the desirable vegetation. This practice increases the vigor and reproduction capacity of the key plants and promotes the accumulation of litter and mulch necessary to conserve soil and water.

Pyroclastic. Pertaining to fragmental material produced by commonly explosive aerial ejection of clastic particles from a volcanic vent. Such material may accumulate on land or under water.

Range condition. The present composition of the plant community on a range site in relation to the potential natural plant community for that site. Range condition is expressed as excellent, good, fair, or poor on the basis of how much the present plant community differs from the potential.

Range site. An area of rangeland where climate, soil, and relief are sufficiently uniform to produce a distinct natural plant community. A range site is the product of all the environmental factors responsible for its development. It is typified by an association of species that differ from those on other range sites in kind, proportion, and total production.

Rangeland. Land on which the potential natural vegetation is predominantly grasses, grasslike plants, forbs, or shrubs. It includes natural grasslands, savannas, many wetlands, some deserts, tundras, and areas that support certain forb and shrub communities.

Reaction, soil. A measure of acidity or alkalinity of a soil, expressed in pH values. A soil that tests to pH 7.0 is described as precisely neutral in reaction because it is neither acid nor alkaline. The degrees of acidity or alkalinity, expressed as pH values, are:

Ultra acid	less than 3.5
Extremely acid	3.5 to 4.4
Very strongly acid	4.5 to 5.0
Strongly acid	5.1 to 5.5
Moderately acid	5.6 to 6.0
Slightly acid	6.1 to 6.5
Neutral	6.6 to 7.3
Slightly alkaline	7.4 to 7.8
Moderately alkaline	7.9 to 8.4
Strongly alkaline	8.5 to 9.0
Very strongly alkaline	9.1 and higher

Redoximorphic concentrations. Nodules, concretions, soft masses, pore linings, and other features resulting from the accumulation of iron or manganese oxide. An indication of chemical reduction and oxidation resulting from saturation.

Redoximorphic depletions. Low-chroma zones from which iron and manganese oxide or a combination of iron and manganese oxide and clay has been removed. These zones are indications of the chemical reduction of iron resulting from saturation.

Redoximorphic features. Redoximorphic concentrations, redoximorphic depletions, reduced matrices, a positive reaction to alpha,alpha-dipyridyl, and other features indicating the chemical reduction and oxidation of iron and manganese compounds resulting from saturation.

Reduced matrix. A soil matrix that has low chroma in situ because of chemically reduced iron (Fe II). The chemical reduction results from nearly continuous wetness. The matrix undergoes a change in hue or chroma within 30 minutes after exposure to air as the iron is oxidized (Fe III). A type of redoximorphic feature.

Regolith. All unconsolidated earth material above the solid bedrock. It includes material weathered in place from all kinds of bedrock and alluvial, glacial, eolian, lacustrine, and pyroclastic deposits. Soil scientists regard as soil only that part of the regolith that has been modified by organisms and soil-forming processes. Most engineers describe the entire regolith, even to a great depth, as “soil.”

Relief. The elevations or inequalities of a land surface, considered collectively.

Remnant. The remaining part of a larger landform or land surface that has been dissected or partially buried.

Residuum (residual soil material). Unconsolidated, weathered or partly weathered mineral material that accumulated as consolidated rock disintegrated in place.

Rhyolite. Extrusive igneous rock, generally porphyritic and exhibiting flow texture, with phenocrysts of quartz and alkali feldspar in a glassy cryptocrystalline ground mass. The extrusive equivalent of granite.

Rill. A small steep-sided channel resulting from erosion. It is cut by a concentrated, but intermittent, flow of water, usually during and immediately following moderate rains or following icemelt or snowmelt. Generally, a rill is not an obstacle to wheeled vehicles and is shallow enough to be obliterated by ordinary tillage.

Riverwash. Barren alluvial areas of unstabilized sand, silt, clay, or gravel reworked frequently by stream activity.

Road cut. A sloping surface produced by mechanical means during road construction. It is commonly on the uphill side of the road.

Rock fragments. Rock or mineral fragments having a diameter of 2 millimeters or more; for example, pebbles, cobbles, stones, and boulders.

Rock outcrop. Exposures of bedrock, excluding lava and rock-lined pits.

Root zone. The part of the soil that can be penetrated by plant roots.

Runoff. The precipitation discharged into stream channels from an area. The water that flows off the surface of the land without sinking into the soil is called surface runoff. Water that enters the soil before reaching surface streams is called ground-water runoff or seepage flow from ground water.

Sand. As a soil separate, individual rock or mineral fragments from 0.05 millimeter to 2.0 millimeters in diameter. Most sand grains consist of quartz. As a soil textural class, a soil that is 85 percent or more sand and not more than 10 percent clay.

Sandstone. Sedimentary rock containing dominantly sand-sized particles.

Sandy. Sand and loamy sand soil textures.

Sapric soil material (muck). The most highly decomposed of all organic soil material. Muck has the least amount of plant fiber, the highest bulk density, and the lowest water content at saturation of all organic soil material.

Saprolite. Soft, friable, isovolumetrically weathered bedrock that retains the fabric and structure of the parent rock and exhibits extensive intercrystal and intracrystal weathering. In pedology, saprolite has been used to refer to any unconsolidated residual material that underlies the soil and grades to hard bedrock below.

SAR. See Sodium adsorption ratio.

Saturation. Wetness characterized by zero or positive pressure of the soil water. Under conditions of saturation, the water will flow from the soil matrix into an unlined auger hole.

Scarification. The act of abrading, scratching, loosening, crushing, or modifying the surface to increase water absorption or to provide a more tillable soil.

Second bottom. The first terrace above the normal flood plain (or first bottom) of a river.

Sedimentary rock. A consolidated deposit of clastic particles, chemical precipitates, or organic matter accumulated at or near the surface of the earth under “normal” low temperature and pressure conditions. Sedimentary rock includes the consolidated equivalents of alluvial, colluvial, drift, eolian, lacustrine, and marine deposits. Examples are sandstone, siltstone, mudstone, claystone, shale, conglomerate, limestone, dolomite, and coal.

Sequum. A sequence consisting of an illuvial horizon and the overlying eluvial horizon. (See Eluviation.)

Series, soil. A group of soils that have profiles that are almost alike, except for differences in texture of the surface layer. All the soils of a series have horizons that are similar in composition, thickness, and arrangement.

Shale. Sedimentary rock that formed as a result of the induration of a clay, silty clay, or silty clay loam deposit and has the tendency to split into thin layers (fissility).

Shallow soil. See Depth, soil.

Sheet erosion. The removal of a fairly uniform layer of soil material from the land surface by the action of rainfall and surface runoff.

Shoulder. The position that forms the uppermost inclined surface near the top of a hillslope. It is a transition from backslope to summit. The surface is dominantly convex in profile and erosional in origin.

Side slope. A geomorphic component of hills consisting of a laterally planar area of a hillside. The overland waterflow is predominantly parallel.

Silica. A combination of silicon and oxygen. The mineral form is called quartz.

Silica-sesquioxide ratio. The ratio of the number of molecules of silica to the number of molecules of alumina and iron oxide. The more highly weathered soils or their clay fractions in warm-temperate, humid regions, and especially those in the tropics, generally have a low ratio.

Silt. As a soil separate, individual mineral particles that range in diameter from the upper limit of clay (0.002 millimeter) to the lower limit of very fine sand (0.05 millimeter). As a soil textural class, soil that is 80 percent or more silt and less than 12 percent clay.

Siltstone. Sedimentary rock made up of dominantly silt-sized particles.

Similar soils. Soils that share limits of diagnostic criteria, behave and perform in a similar manner, and have similar conservation needs or management requirements for the major land uses in the survey area.

Sinkhole. A closed depression formed either by the solution of the surficial material, such as limestone, gypsum, and salt, or by the collapse of underlying caves. Complexes of sinkholes in carbonate-rich terrain are the main components of karst topography.

Site index. A designation of the quality of a forest site based on the height of the dominant stand at an arbitrarily chosen age. For example, if the average height

attained by dominant and codominant trees in a fully stocked stand at the age of 50 years is 75 feet, the site index is 75.

Site index (pinyon and juniper). A designation of the quality of a pinyon or juniper stand based on the basal area in square feet when the stand averages 5 inches in diameter 1 foot above the ground. A site index of 50 means that the stand will have a basal area of 50 square feet.

Slope. The inclination of the land surface from the horizontal. Percentage of slope is the vertical distance divided by horizontal distance, then multiplied by 100. Thus, a slope of 20 percent is a drop of 20 feet in 100 feet of horizontal distance.

Sodium adsorption ratio (SAR). A measure of the amount of sodium (Na) relative to calcium (Ca) and magnesium (Mg) in the water extract from saturated soil paste. It is the ratio of the Na concentration divided by the square root of one-half of the Ca + Mg concentration.

Soft bedrock. Bedrock that can be excavated with trenching machines, backhoes, small rippers, and other equipment commonly used in construction.

Soil. A natural, three-dimensional body at the earth's surface. It is capable of supporting plants and has properties resulting from the integrated effect of climate and living matter acting on earthy parent material, as conditioned by relief over periods of time.

Soil erodibility factors. The Kw and Kf factors quantify the susceptibility of soil to detachment by water. These erodibility factors predict the long-term average soil loss that results from sheet and rill erosion when various cropping systems and conservation techniques are used. The whole soil is considered in the Kw factor, but only the fine-earth fraction, which is the material less than 2 millimeters in diameter, is considered in the Kf factor.

Soil separates. Mineral particles less than 2 millimeters in equivalent diameter and ranging between specified size limits. The names and sizes, in millimeters, of separates recognized in the United States are as follows:

Very coarse sand	2.0 to 1.0
Coarse sand	1.0 to 0.5
Medium sand	0.5 to 0.25
Fine sand	0.25 to 0.10
Very fine sand	0.10 to 0.05
Silt	0.05 to 0.002
Clay	less than 0.002

Solum. The upper part of a soil profile, above the C horizon, in which the processes of soil formation are active. The solum in soil consists of the A, E, and B horizons. Generally, the characteristics of the material in these horizons are unlike those of the material below the solum. The living roots and plant and animal activities are largely confined to the solum.

Stone line. A sheetlike lag concentration of coarse fragments in surficial sediment. In cross section, the line may be marked only by scattered fragments or it may be a discrete layer of fragments. The fragments are more commonly pebbles or cobbles than stones. A stone line generally overlies material that was subject to weathering, soil formation, and erosion before deposition of the overlying material. Many stone lines appear to be buried erosion pavement originally formed by running water on the land surface and concurrently covered by surficial sediment.

Stones. Rock fragments 10 to 24 inches (25 to 60 centimeters) in diameter if rounded or 15 to 24 inches (38 to 60 centimeters) in length if flat.

Stony. Refers to a soil containing stones in numbers that interfere with or prevent tillage.

Stratified. Referring to geologic deposits that were formed, arranged, or laid down in layers. Layers in soils that are a result of the processes of soil formation are called horizons; those inherited from the parent material are called strata.

Stream terrace. One of a series of platforms in a stream valley that flanks and is more or less parallel to the stream channel, originally formed near the level of the stream, and represents the dissected remnants of an abandoned flood plain, streambed, or valley floor produced during an earlier period of erosion or deposition.

Structure, soil. The arrangement of primary soil particles into compound particles or aggregates. The principal forms of soil structure are—*platy* (laminated), *prismatic* (vertical axis of aggregates longer than horizontal), *columnar* (prisms with rounded tops), *blocky* (angular or subangular), and *granular*. *Structureless* soils are either *single grained* (each grain by itself, as in dune sand) or *massive* (the particles adhering without any regular cleavage, as in many hardpans).

Subsidence. The decrease in surface elevation as a result of the drainage of wet soils that have organic layers or semifluid mineral layers.

Subsoil. Technically, the B horizon; roughly, the part of the solum below plow depth.

Substratum. The part of the soil below the solum.

Subsurface layer. Any surface soil horizon (A, E, AB, or EB) below the surface layer.

Summit. The topographically highest position of a hillslope. It has a nearly level (planar or only slightly convex) surface.

Surface layer. The soil ordinarily moved in tillage, or its equivalent in uncultivated soil, ranging in depth from 4 to 10 inches (10 to 25 centimeters). Frequently designated as the “plow layer,” or the “Ap horizon.”

Surface soil. The A, E, AB, and EB horizons, considered collectively. It includes all subdivisions of these horizons.

T factor. The soil loss tolerance, which is defined as the maximum amount of erosion at which the quality of a soil as a medium for plant growth can be maintained. Maintaining the quality of the soil includes maintaining the surface soil as a seedbed for plants, maintaining the atmosphere-soil interface to allow the entry of air and water into the soil and still protect the underlying soil from wind and water erosion, and maintaining the total soil volume as a reservoir for water and plant nutrients, which is preserved by minimizing soil loss.

Talus. Rock fragments of any size or shape (commonly coarse and angular) at the base of a cliff or very steep rock slope; the accumulated mass of such loose, broken rock formed mainly by falling, rolling, or sliding.

Temperature regime, soil. A system that categorizes for taxonomic purposes general, long-term soil temperature conditions at the standard depth of 20 inches or at the surface of the bedrock, whichever is at a shallower depth. The various regimes are defined according to the freezing point of water or to the high and low extremes for significant biological activity. The regimes are defined in “Keys to Soil Taxonomy” (Soil Survey Staff, 2006). Those that occur in this survey area are as follows:

Cryic.—Soils that have a mean annual temperature of 32 to 47 degrees F and remain cold in summer.

Frigid.—Soils that have a mean annual temperature similar to that of the cryic regime but have a mean summer temperature at least 9 degrees warmer.

Terminal moraine. An end moraine that marks the farthest advance of a glacier and commonly has the form of a massive arcuate or concentric ridge, or complex of ridges, underlain by till and other types of drift.

Terrace (conservation practice). An embankment, or ridge, constructed across sloping soils on the contour or at a slight angle to the contour. The terrace intercepts surface runoff so that water soaks into the soil or flows slowly to a prepared outlet. A terrace in a field generally is built so that the field can be

farmed. A terrace intended mainly for drainage has a deep channel that is maintained in permanent sod.

Terrace (geologic). An old alluvial plain, ordinarily flat or undulating, bordering a river, a lake, or the sea.

Terrace (geomorphologic). A steplike surface bordering a valley floor or shoreline that represents the former position of a flood plain, lake, or seashore. The term is commonly applied to both the relatively flat summit surface (tread) that has been cut or builtup by stream or wave action and the steeper descending slope (scarp or riser) that grades to a lower base level of erosion. Practically, terraces are considered to be generally flat alluvial areas above the 100-year flood stage.

Terracette. A small, irregular steplike area on steep hillslopes, especially in pasture, that formed as a result of creep or erosion of surficial material that may or may not have been induced by trampling of livestock such as sheep or cattle.

Texture, soil. The relative proportions of sand, silt, and clay particles in a mass of soil. The basic textural classes, in order of increasing proportion of fine particles, are *sand, loamy sand, sandy loam, loam, silt loam, silt, sandy clay loam, clay loam, silty clay loam, sandy clay, silty clay,* and *clay*. The sand, loamy sand, and sandy loam classes may be further divided by specifying "coarse," "fine," or "very fine." Abbreviations for the texture terms are *C—clay, CL—clay loam, COS—coarse sand, COSL—coarse sandy loam, FS—fine sand, FSL—fine sandy loam, L—loam, LCOS—loamy coarse sand, LFS—loamy fine sand, LS—loamy sand, LVFS—loamy very fine sand, S—sand, SC—sandy clay, SCL—sandy clay loam, SI—silt, SIC—silty clay, SICL—silty clay loam, SIL—silt loam, SL—sandy loam, VFS—very fine sand,* and *VFSL—very fine sandy loam.*

Terms used in lieu of texture descriptions are *BR—bedrock, BY—boulders, CB—cobbles, CN—channers, FL—flagstones, G—gravel, HPM—highly decomposed plant material, MAT—material, MPM—moderately decomposed plant material,* MUCK—muck, *MPT—mucky peat,* MUCK—muck, PBY—paraboulders, *PCB—paracobbles, PCN—parachanners,* PEAT—peat, *PFY—paraflagstones, PG—paragravel, PST—parastones, SPM—slightly decomposed plant material, ST—stones, UWB—unweathered bedrock, VAR—variable,* and *W—water.*

The texture modifiers that may apply to textural classes are *ASHY—ashy, BY—bouldery, BYV—very bouldery, BYX—extremely bouldery, CB—cobbly, CBV—very cobbly, CBX—extremely cobbly, CEM—cemented, CN—channery, CNV—very channery, CNX—extremely channery, COP—coprogenous, DIA—diatomaceous, FL—flaggy, FLV—very flaggy, FLX—extremely flaggy, GR—gravelly, GRC—coarse gravelly, GRF—fine gravelly, GRM—medium gravelly, GRV—very gravelly, GRX—extremely gravelly, GS—grassy, GYP—gypsiferous, HB—herbaceous, HYDR—hydrous, MEDL—medial, MK—mucky, MR—marly, MS—mossy, PBY—paraboulder, PBYV—very paraboulder, PBYX—extremely paraboulder, PCB—paracobbly, PCBV—very paracobbly, PCBX—extremely paracobbly, PCN—parachannery, PCNV—very parachannery, PCNX—extremely parachannery, PF—permanently frozen, PFY—paraflaggy, PFYV—very paraflaggy, PFYX—extremely paraflaggy, PG—paragravelly, PGV—very paragravelly, PGX—extremely paragravelly, PST—parastony, PSTV—very parastony, PSTX—extremely parastony, PT—peaty, ST—stony, STV—very stony, STX—extremely stony,* and *WD—woody.*

Till. Unsorted, nonstratified glacial drift consisting of clay, silt, sand, and boulders transported and deposited by glacial ice.

Till plain. An extensive area of nearly level to undulating soils underlain by glacial till.

Tilth, soil. The physical condition of the soil as related to tillage, seedbed preparation, seedling emergence, and root penetration.

Toeslope. The outermost inclined surface at the base of a hill; part of a footslope.

Topsoil. The upper part of the soil, which is the most favorable material for plant growth. It is ordinarily rich in organic matter and is used to topdress roadbanks, lawns, and land affected by mining.

Trace elements. Chemical elements, for example, zinc, cobalt, manganese, copper, and iron, in soils in extremely small amounts. They are essential to plant growth.

Tuff. A generic term for any consolidated or cemented deposit that is 50 percent volcanic ash (less than 2 millimeters in size). Various types of tuff can be recognized by their composition; acidic tuff is dominantly acidic particles and basic tuff is dominantly basic particles.

Unified soil classification. A system for classifying mineral and organic soils for engineering purposes based on particle-size characteristics, liquid limit, and plasticity index.

Upland (geomorphologic). A general term for the higher land of a region in contrast to the low-lying, adjacent land, such as a valley or plain; land at a higher elevation than the flood plain or low stream terrace; or land above the footslope zone of the hillslope continuum.

Valley fill. The unconsolidated sediment deposited by any agent (water, wind, ice, or mass wasting) that fills or partly fills a valley.

Variegation. Refers to patterns of contrasting colors assumed to be inherited from the parent material rather than to be the result of poor drainage.

Varve. A sedimentary layer or a lamina or sequence of laminae deposited in a body of still water within a year. Specifically, a thin pair of graded glaciolacustrine layers seasonally deposited, usually by meltwater streams, in a glacial lake or other body of still water in front of a glacier.

Vegetative cover. The crown cover of all live plants in relation to the ground surface.

Very deep soil. See Depth, soil.

Very shallow soil. See Depth, soil.

Water bars. Smooth, shallow ditches or depressional areas that are excavated at an angle across a sloping road. They are used to reduce the downward velocity of water and divert it off and away from the road surface. Water bars can easily be driven over if constructed properly.

Water table. The upper surface of ground water or the level below which the soil is saturated by water. Also, the top of an aquifer.

Weathering. All physical and chemical changes produced in rocks or other deposits at or near the earth's surface by atmospheric agents. These changes result in disintegration and decomposition of the material.

WEG. See Wind erodibility group.

Well graded. Refers to soil material consisting of coarse grained particles that are well distributed over a wide range in size or diameter. Such soil normally can be easily increased in density and bearing properties by compaction. Contrasts with poorly graded soil.

Wilting point (or permanent wilting point). The moisture content of soil, on an ovendry basis, at which a plant (specifically a sunflower) wilts so much that it does not recover when placed in a humid, dark chamber.

Wind erodibility group (WEG). A grouping of soils that have similar properties affecting their resistance to wind erosion in cultivated areas.

Windthrow. The uprooting and tipping over of trees by the wind.

Xeric moisture regime. The typical moisture regime in areas of Mediterranean climates, where it is moist and cool in winter and warm and dry in summer. The moisture, which falls during winter, when potential evapotranspiration is at a minimum, is particularly effective in leaching. The mean annual soil temperature is less than 22 degrees C, and the difference between the mean summer and mean winter soil temperatures is 6 degrees or more.

Xerophytic. Pertaining to vegetation that is adapted to dry areas.

Tables

Table 1a.--Temperature and Precipitation

(Recorded in the period 1971-2000 at Tahoe City, California)

Month	Temperature						Precipitation				
				2 years in 10 will have--				2 years in 10 will have--			
	Average daily maximum	Average daily minimum	Average	Maximum temperature higher than--	Minimum temperature lower than--	Average number of growing degree days*	Average	Less than--	More than--	Average number of days with 0.10 inch or more	Average snowfall
	°F	°F	°F	°F	°F	Units	In	In	In		In
January----	40.4	19.8	30.1	55	1	0	6.01	1.35	10.40	7	37.1
February---	42.0	20.9	31.4	57	1	0	5.71	1.77	9.39	7	39.4
March------	45.1	23.8	34.4	61	5	0	4.57	1.26	6.94	7	29.9
April------	51.2	27.2	39.2	69	12	3	1.87	.69	2.95	4	12.3
May--------	60.0	33.2	46.6	78	19	42	1.21	.35	1.97	3	2.8
June-------	69.2	39.2	54.2	84	27	159	.77	.26	1.24	2	.3
July-------	77.5	44.4	60.9	88	32	340	.33	.02	.50	0	.0
August-----	77.0	44.5	60.8	88	34	336	.46	.00	.78	1	.0
September--	70.0	39.4	54.7	83	28	169	.90	.11	1.46	2	.4
October----	60.0	32.3	46.1	77	19	35	1.95	.53	3.26	3	2.4
November---	47.9	25.5	36.7	66	9	0	4.25	1.20	6.60	6	17.1
December---	41.4	20.5	31.0	56	0	0	4.72	1.23	7.83	7	27.6
Yearly:											
Average---	56.8	30.9	43.9	---	---	---	---	---	---	---	---
Extreme---	91	-16	---	89	-4	---	---	---	---	---	---
Total-----	---	---	---	---	---	1,084	32.75	21.73	42.69	49	169.3

* A growing degree day is a unit of heat available for plant growth. It can be calculated by adding the maximum and minimum daily temperatures, dividing the sum by 2, and subtracting the temperature below which growth is minimal for the principal crops in the area (50 degrees F).

Table 1b.--Temperature and Precipitation

(See explanations of terminology at the end of this table. The data are from various periods of record for the representative SNOTEL sites)

ID	Site name	MAAT	MWAT	MSAT	Frost	Freeze	MAP	Notes
		Avg	Avg	Avg	Median	Median	Avg	
CA20106s	Echo Peak--------	6	0	15	100	132	59	1981-2004 data used for MAP values.
CA20102s	Rubicon #2-------	5	-2	14	97	140	43	1981-2004 data used for MAP values.
CA20110s	Fallen Leaf------	5	-2	13	49	80	32	1980-2004 data used for MAP values.
CA19103s	Hagan's Meadow---	4	-4	12	21	48	31	1979-2004 data used for MAP values.
CA20k27s	Tahoe City Cross	6	-1	14	86	142	36	1981-2004 data used for MAP values.
CA19124s	Heavenly Valley--	3	-4	11	57	88	34	1979-2004 data used for MAP values.
CA20k25s	Ward Creek #3----	5	-2	13	50	67	70	1980-2004 data used for MAP values.
NV19k04s	Marlette Lake----	4	-3	12	85	113	35	1979-2004 data used for MAP values.

MAAT--Mean annual air temperature in degrees C; calculated by averaging the month and then averaging the results to get the year.

MSAT--Mean summer air temperature (June, July, August) in degrees C.

MWAT--Mean winter air temperature (December, January, February) in degrees C.

Frost--Frost-free days: The number of days between the last freezing temperature (0 degrees C) in spring (January through July) and the first freezing temperature (0 degrees C) in fall (August through December).

Freeze--Freeze-free days: The number of days between the last freezing temperature (-2 degrees C) in spring (January through July) and the first freezing temperature (-2 degrees C) in fall (August through December).

MAP--Mean annual precipitation.

Table 2.--Freeze Dates in Spring and Fall

(Recorded in the period 1971-92 at Tahoe City, California)

Probability	Temperature		
	24 °F or lower	28 °F or lower	32 °F or lower
Last freezing temperature in spring:			
1 year in 10 later than--	May 31	June 15	July 6
2 years in 10 later than--	May 22	June 9	June 30
5 years in 10 later than--	May 6	May 27	June 17
First freezing temperature in fall:			
1 year in 10 earlier than--	Oct. 11	Sept. 19	Aug. 29
2 years in 10 earlier than--	Oct. 16	Sept. 26	Sept. 5
5 years in 10 earlier than--	Oct. 27	Oct. 9	Sept. 19

Table 3.--Growing Season

(Recorded in the period 1971-92 at Tahoe City, California)

Probability	Daily minimum temperature during growing season		
	Higher than 24 °F	Higher than 28 °F	Higher than 32 °F
	Days	Days	Days
9 years in 10	143	106	69
8 years in 10	154	116	77
5 years in 10	173	134	93
2 years in 10	193	152	109
1 year in 10	203	161	118

Table 4a.--Acreage and Proportionate Extent of the Soils

Map symbol	Soil name	Acres	Percent
7011	Beaches	247	*
7021	Hellhole peat, 0 to 2 percent slopes	296	*
7031	Pits and dumps	307	*
7041	Tahoe complex, 0 to 2 percent slopes	2,241	0.7
7042	Tahoe complex, 0 to 5 percent slopes, gravelly	863	0.3
7043	Tahoe mucky silt loam, drained, 0 to 5 percent slopes	403	0.1
7051	Oxyaquic Xerorthents-Water association, 0 to 5 percent slopes	548	0.2
7061	Urban land	287	*
7071	Watah peat, 0 to 2 percent slopes	1,123	0.3
7101	Caverock sandy loam, 9 to 50 percent slopes	484	0.1
7111	Deerhill gravelly fine sandy loam, 9 to 30 percent slopes, very stony	603	0.2
7112	Deerhill gravelly fine sandy loam, 30 to 50 percent slopes, very stony	217	*
7121	Ellispeak-Rock outcrop complex, 9 to 30 percent slopes	434	0.1
7122	Ellispeak-Rock outcrop complex, 30 to 50 percent slopes	424	0.1
7123	Ellispeak-Rock outcrop complex, 50 to 70 percent slopes	384	0.1
7131	Ellispeak-Waca complex, 9 to 30 percent slopes	966	0.3
7132	Ellispeak-Waca complex, 30 to 50 percent slopes	441	0.1
7133	Ellispeak-Waca complex, 50 to 70 percent slopes	264	*
7141	Inville gravelly coarse sandy loam, 2 to 9 percent slopes, stony	1,479	0.4
7142	Inville gravelly coarse sandy loam, 9 to 15 percent slopes, stony	619	0.2
7143	Inville gravelly coarse sandy loam, 15 to 30 percent slopes, stony	429	0.1
7151	Jorge very cobbly fine sandy loam, 5 to 15 percent slopes, rubbly	1,575	0.5
7152	Jorge very cobbly fine sandy loam, 15 to 30 percent slopes, rubbly	3,835	1.1
7153	Jorge very cobbly fine sandy loam, 30 to 50 percent slopes, rubbly	2,735	0.8
7154	Jorge very cobbly loam, 2 to 15 percent slopes, extremely stony	179	*
7155	Jorge very cobbly loam, 15 to 50 percent slopes, extremely stony	272	*
7156	Jorge-Tahoma complex, 15 to 30 percent slopes	4,386	1.3
7157	Jorge-Tahoma complex, 30 to 50 percent slopes	1,543	0.5
7161	Kingsbeach stony sandy loam, 2 to 15 percent slopes	1,443	0.4
7171	Kneeridge gravelly medial sandy loam, 2 to 9 percent slopes, extremely stony	532	0.2
7172	Kneeridge gravelly medial sandy loam, well drained, 5 to 15 percent slopes, very stony	485	0.1
7173	Kneeridge gravelly medial sandy loam, 2 to 5 percent slopes, very stony	598	0.2
7174	Kneeridge gravelly medial sandy loam, 5 to 15 percent slopes, very stony	536	0.2
7181	Paige medial sandy loam, 5 to 15 percent slopes	1,397	0.4
7182	Paige medial sandy loam, 15 to 30 percent slopes	1,009	0.3
7183	Paige medial sandy loam, 30 to 50 percent slopes	360	0.1
7191	Rock outcrop, volcanic	3,265	1.0
7201	Rubble land-Glenalpine complex, 50 to 90 percent slopes	1,551	0.5
7211	Southcamp very gravelly fine sandy loam, 50 to 70 percent slopes	649	0.2
7221	Tahoma very cobbly sandy loam, 2 to 15 percent slopes, very stony	2,042	0.6
7222	Tahoma-Jorge complex, 2 to 15 percent slopes	4,905	1.5
7231	Waca very gravelly medial coarse sandy loam, 9 to 30 percent slopes	2,365	0.7
7232	Waca very gravelly medial coarse sandy loam, 30 to 50 percent slopes	1,807	0.5
7233	Waca very gravelly medial coarse sandy loam, 50 to 70 percent slopes	286	*
7241	Zephyrcove-Southcamp-Genoapeak complex, 9 to 30 percent slopes	308	*
7242	Zephyrcove-Southcamp-Genoapeak complex, 30 to 70 percent slopes	295	*
7401	Burnlake-Roadcat association, 4 to 30 percent slopes	380	0.1
7411	Cagwin-Rock outcrop complex, 5 to 15 percent slopes, extremely stony	2,459	0.7
7412	Cagwin-Rock outcrop complex, 15 to 30 percent slopes, extremely stony	7,860	2.3
7413	Cagwin-Rock outcrop complex, 30 to 50 percent slopes, extremely stony	8,817	2.6
7414	Cagwin-Rock outcrop complex, 50 to 70 percent slopes, extremely stony	2,362	0.7
7421	Cassenai gravelly loamy coarse sand, 5 to 15 percent slopes, very stony	2,912	0.9
7422	Cassenai gravelly loamy coarse sand, 15 to 30 percent slopes, very stony	6,322	1.9
7423	Cassenai gravelly loamy coarse sand, 30 to 50 percent slopes, very stony	5,359	1.6
7424	Cassenai gravelly loamy coarse sand, 50 to 70 percent slopes, very stony	1,338	0.4
7425	Cassenai cobbly loamy coarse sand, moist, 5 to 15 percent slopes, very bouldery	281	*
7426	Cassenai cobbly loamy coarse sand, moist, 15 to 30 percent slopes, very bouldery	1,028	0.3
7427	Cassenai cobbly loamy coarse sand, moist, 30 to 50 percent slopes, very bouldery	2,078	0.6

See footnote at end of table.

Table 4a.--Acreage and Proportionate Extent of the Soils--Continued

Map symbol	Soil name	Acres	Percent
7428	Cassenai cobbly loamy coarse sand, moist, 50 to 70 percent slopes, very bouldery	936	0.3
7431	Celio loamy coarse sand, 0 to 5 percent slopes	1,119	0.3
7441	Christopher loamy coarse sand, 0 to 9 percent slopes	455	0.1
7442	Christopher loamy coarse sand, 9 to 30 percent slopes	670	0.2
7443	Christopher gravelly loamy coarse sand, 9 to 30 percent slopes	383	0.1
7444	Christopher-Gefo complex, 0 to 5 percent slopes	3,107	0.9
7451	Gefo gravelly loamy coarse sand, 2 to 9 percent slopes	806	0.2
7452	Gefo gravelly loamy coarse sand, 9 to 30 percent slopes	382	0.1
7461	Jabu coarse sandy loam, 0 to 9 percent slopes	1,703	0.5
7462	Jabu coarse sandy loam, 9 to 30 percent slopes	1,331	0.4
7471	Marla loamy coarse sand, 0 to 5 percent slopes	1,682	0.5
7481	Meeks gravelly loamy coarse sand, 0 to 5 percent slopes, stony	370	0.1
7482	Meeks gravelly loamy coarse sand, 5 to 15 percent slopes, stony	440	0.1
7483	Meeks gravelly loamy coarse sand, 0 to 5 percent slopes, very stony	842	0.2
7484	Meeks gravelly loamy coarse sand, 5 to 15 percent slopes, extremely bouldery	1,548	0.5
7485	Meeks gravelly loamy coarse sand, 15 to 30 percent slopes, extremely bouldery	3,434	1.0
7486	Meeks gravelly loamy coarse sand, 30 to 70 percent slopes, extremely bouldery	2,703	0.8
7487	Meeks gravelly loamy coarse sand, 5 to 15 percent slopes, rubbly	659	0.2
7488	Meeks gravelly loamy coarse sand, 15 to 30 percent slopes, rubbly	1,408	0.4
7489	Meeks gravelly loamy coarse sand, 30 to 70 percent slopes, rubbly	2,820	0.8
7491	Oneidas coarse sandy loam, 0 to 5 percent slopes	561	0.2
7492	Oneidas coarse sandy loam, 5 to 15 percent slopes	593	0.2
7500	Rock outcrop, granitic	3,810	1.1
7501	Rock outcrop-Rockbound complex, 5 to 30 percent slopes	6,719	2.0
7502	Rock outcrop-Rockbound complex, 30 to 70 percent slopes	6,110	1.8
7511	Shalgran-Rock outcrop complex, 30 to 75 percent slopes	272	*
7521	Tallac gravelly coarse sandy loam, 5 to 15 percent slopes, very stony	1,707	0.5
7522	Tallac gravelly coarse sandy loam, 15 to 30 percent slopes, very stony	1,921	0.6
7523	Tallac gravelly coarse sandy loam, 30 to 70 percent slopes, very stony	1,598	0.5
7524	Tallac gravelly coarse sandy loam, moderately well drained, 0 to 5 percent slopes	2,137	0.6
7525	Tallac gravelly coarse sandy loam, moderately well drained, 5 to 9 percent slopes	1,442	0.4
7526	Tallac gravelly coarse sandy loam, moderately well drained, 2 to 9 percent slopes, rubbly	602	0.2
7531	Toem-Rock outcrop complex, 9 to 30 percent slopes	229	*
7532	Toem-Rock outcrop complex, 30 to 50 percent slopes	505	0.1
7533	Toem-Rock outcrop complex, 50 to 70 percent slopes	498	0.1
7541	Ubaj sandy loam, 0 to 9 percent slopes	865	0.3
9001	Bidart complex, 0 to 2 percent slopes	1,058	0.3
9011	Oxyaquic Cryorthents-Aquic Xerorthents-Tahoe complex, 0 to 15 percent slopes	1,654	0.5
9101	Callat very gravelly coarse sandy loam, 9 to 30 percent slopes, very stony	2,178	0.6
9102	Callat very gravelly coarse sandy loam, 30 to 50 percent slopes, very stony	419	0.1
9111	Florand-Lostridge-Fishsnooze association, 15 to 50 percent slopes	517	0.2
9121	Watsonlake gravelly sandy loam, 5 to 15 percent slopes, rubbly	177	*
9122	Watsonlake gravelly sandy loam, 15 to 30 percent slopes, rubbly	765	0.2
9123	Watsonlake gravelly sandy loam, 30 to 50 percent slopes, rubbly	563	0.2
9131	Lithnip-Meiss-Hawkinspeak association, 30 to 75 percent slopes	2,361	0.7
9141	Melody-Rock outcrop complex, 9 to 30 percent slopes	351	0.1
9142	Melody-Rock outcrop complex, 30 to 50 percent slopes	842	0.2
9143	Melody-Rock outcrop complex, 50 to 70 percent slopes	941	0.3
9151	Shakespeare silt loam, 9 to 30 percent slopes	1,002	0.3
9152	Shakespeare silt loam, 30 to 50 percent slopes, very stony	216	*

See footnote at end of table.

Table 4a.--Acreage and Proportionate Extent of the Soils--Continued

Map symbol	Soil name	Acres	Percent
9161	Sky gravelly sandy loam, 9 to 30 percent slopes	2,114	0.6
9162	Sky gravelly sandy loam, 30 to 50 percent slopes	1,332	0.4
9163	Sky gravelly sandy loam, 50 to 70 percent slopes	288	*
9164	Sky-Melody complex, 9 to 30 percent slopes	1,528	0.5
9165	Sky-Melody complex, 30 to 50 percent slopes	1,069	0.3
9166	Sky-Melody complex, 50 to 70 percent slopes	240	*
9171	Mountrose-Wardcreek-Melody complex, 50 to 70 percent slopes	2,872	0.9
9401	Dagget very gravelly loamy coarse sand, 15 to 30 percent slopes, extremely bouldery	2,349	0.7
9402	Dagget very gravelly loamy coarse sand, 30 to 50 percent slopes, extremely bouldery	2,679	0.8
9403	Dagget very gravelly loamy coarse sand, 50 to 70 percent slopes, extremely bouldery	581	0.2
9404	Dagget very gravelly loamy coarse sand, moist, 5 to 15 percent slopes, rubbly	1,983	0.6
9405	Dagget very gravelly loamy coarse sand, moist, 15 to 30 percent slopes, rubbly	2,976	0.9
9406	Dagget very gravelly loamy coarse sand, moist, 30 to 70 percent slopes, rubbly	1,721	0.5
9407	Dagget-Rock outcrop complex, moist, 30 to 70 percent slopes	766	0.2
9411	Freelpeak-Windyridge-Rock outcrop complex, 15 to 75 percent slopes	457	0.1
9421	Jobsis-Whittell-Rock outcrop complex, cool, 8 to 30 percent slopes	2,991	0.9
9431	Sofgran-Klauspeak-Temo association, 15 to 50 percent slopes	201	*
9441	Temo-Witefels complex, 5 to 15 percent slopes	938	0.3
9442	Temo-Witefels complex, 15 to 30 percent slopes	3,386	1.0
9443	Temo-Witefels complex, 30 to 50 percent slopes	5,182	1.5
9444	Temo-Witefels complex, 50 to 70 percent slopes	2,790	0.8
9451	Waterpeak-Rock outcrop complex, 30 to 75 percent slopes	609	0.2
9461	Whittell-Jobsis-Rock outcrop complex, cool, 30 to 75 percent slopes	6,096	1.8
W	Water	129,682	38.5
	Total	336,854	100.0

* Less than 0.1 percent.

Table 4b.--Acreage and Proportionate Extent of the Soils

Map symbol	Soil name	Alpine County	Carson City County	Douglas County	El Dorado County	Placer County	Washoe County	Total	
								Area	Extent
		Acres	Acres	Acres	Acres	Acres	Acres	Acres	Pct
7011	Beaches	---	---	67	136	31	13	247	*
7021	Hellhole peat, 0 to 2 percent slopes	---	---	---	296	---	---	296	*
7031	Pits and dumps	---	---	20	203	73	11	307	*
7041	Tahoe complex, 0 to 2 percent slopes	---	64	375	1,778	24	---	2,241	0.7
7042	Tahoe complex, 0 to 5 percent slopes, gravelly	---	---	---	208	655	---	863	0.3
7043	Tahoe mucky silt loam, drained, 0 to 5 percent slopes	---	---	---	403	---	---	403	0.1
7051	Oxyaquic Xerorthents-Water association, 0 to 5 percent slopes	---	---	---	548	---	---	548	0.2
7061	Urban land	---	---	73	214	---	---	287	*
7071	Watah peat, 0 to 2 percent slopes	39	60	15	660	319	30	1,123	0.3
7101	Caverock sandy loam, 9 to 50 percent slopes	---	---	484	---	---	---	484	0.1
7111	Deerhill gravelly fine sandy loam, 9 to 30 percent slopes, very stony	---	---	603	---	---	---	603	0.2
7112	Deerhill gravelly fine sandy loam, 30 to 50 percent slopes, very stony	---	---	217	---	---	---	217	*
7121	Ellispeak-Rock outcrop complex, 9 to 30 percent slopes	---	---	---	77	357	---	434	0.1
7122	Ellispeak-Rock outcrop complex, 30 to 50 percent slopes	---	---	---	13	411	---	424	0.1
7123	Ellispeak-Rock outcrop complex, 50 to 70 percent slopes	---	---	---	27	357	---	384	0.1
7131	Ellispeak-Waca complex, 9 to 30 percent slopes	---	---	---	---	946	20	966	0.3
7132	Ellispeak-Waca complex, 30 to 50 percent slopes	---	---	---	---	408	33	441	0.1
7133	Ellispeak-Waca complex, 50 to 70 percent slopes	---	---	---	---	228	36	264	*
7141	Inville gravelly coarse sandy loam, 2 to 9 percent slopes, stony	---	---	---	---	---	1,479	1,479	0.4
7142	Inville gravelly coarse sandy loam, 9 to 15 percent slopes, stony	---	---	---	---	---	619	619	0.2
7143	Inville gravelly coarse sandy loam, 15 to 30 percent slopes, stony	---	---	---	---	---	429	429	0.1
7151	Jorge very cobbly fine sandy loam, 5 to 15 percent slopes, rubbly	---	---	---	---	1,438	137	1,575	0.5
7152	Jorge very cobbly fine sandy loam, 15 to 30 percent slopes, rubbly	---	---	---	---	3,069	766	3,835	1.1
7153	Jorge very cobbly fine sandy loam, 30 to 50 percent slopes, rubbly	---	---	---	---	1,739	996	2,735	0.8
7154	Jorge very cobbly loam, 2 to 15 percent slopes, extremely stony	---	---	---	---	179	---	179	*

See footnote at end of table.

Table 4b.--Acreage and Proportionate Extent of the Soils--Continued

Map symbol	Soil name	Alpine County	Carson City County	Douglas County	El Dorado County	Placer County	Washoe County	Total	
								Area	Extent
		Acres	Acres	Acres	Acres	Acres	Acres	Acres	Pct
7155	Jorge very cobbly loam, 15 to 50 percent slopes, extremely stony	---	---	---	---	272	---	272	*
7156	Jorge-Tahoma complex, 15 to 30 percent slopes	---	---	---	---	4,321	65	4,386	1.3
7157	Jorge-Tahoma complex, 30 to 50 percent slopes	---	---	---	---	1,457	86	1,543	0.5
7161	Kingsbeach stony sandy loam, 2 to 15 percent slopes	---	---	197	---	1,246	---	1,443	0.4
7171	Kneeridge gravelly medial sandy loam, 2 to 9 percent slopes, extremely stony	---	---	---	---	532	---	532	0.2
7172	Kneeridge gravelly medial sandy loam, well drained, 5 to 15 percent slopes, very stony	---	---	---	---	485	---	485	0.1
7173	Kneeridge gravelly medial sandy loam, 2 to 5 percent slopes, very stony	---	---	---	---	598	---	598	0.2
7174	Kneeridge gravelly medial sandy loam, 5 to 15 percent slopes, very stony	---	---	---	---	536	---	536	0.2
7181	Paige medial sandy loam, 5 to 15 percent slopes	---	---	---	---	1,397	---	1,397	0.4
7182	Paige medial sandy loam, 15 to 30 percent slopes	---	---	---	---	1,009	---	1,009	0.3
7183	Paige medial sandy loam, 30 to 50 percent slopes	---	---	---	---	360	---	360	0.1
7191	Rock outcrop, volcanic	228	---	---	2,699	338	---	3,265	1.0
7201	Rubble land-Glenalpine complex, 50 to 90 percent slopes	---	---	---	1,347	204	---	1,551	0.5
7211	Southcamp very gravelly fine sandy loam, 50 to 70 percent slopes	---	---	649	---	---	---	649	0.2
7221	Tahoma very cobbly sandy loam, 2 to 15 percent slopes, very stony	---	---	---	---	1,878	164	2,042	0.6
7222	Tahoma-Jorge complex, 2 to 15 percent slopes	---	---	---	---	4,894	11	4,905	1.5
7231	Waca very gravelly medial coarse sandy loam, 9 to 30 percent slopes	---	---	---	71	2,294	---	2,365	0.7
7232	Waca very gravelly medial coarse sandy loam, 30 to 50 percent slopes	---	---	---	77	1,730	---	1,807	0.5
7233	Waca very gravelly medial coarse sandy loam, 50 to 70 percent slopes	---	---	---	---	286	---	286	*
7241	Zephyrcove-Southcamp-Genoapeak complex, 9 to 30 percent slopes	---	---	308	---	---	---	308	*
7242	Zephyrcove-Southcamp-Genoapeak complex, 30 to 70 percent slopes	---	---	295	---	---	---	295	*
7401	Burnlake-Roadcat association, 4 to 30 percent slopes	34	---	---	346	---	---	380	0.1
7411	Cagwin-Rock outcrop complex, 5 to 15 percent slopes, extremely stony	---	302	1,172	949	---	36	2,459	0.7
7412	Cagwin-Rock outcrop complex, 15 to 30 percent slopes, extremely stony	---	1,360	3,207	2,129	21	1,143	7,860	2.3

See footnote at end of table.

Table 4b.--Acreage and Proportionate Extent of the Soils--Continued

Map symbol	Soil name	Alpine County	Carson City County	Douglas County	El Dorado County	Placer County	Washoe County	Total	
								Area	Extent
		Acres	Acres	Acres	Acres	Acres	Acres	Acres	Pct
7413	Cagwin-Rock outcrop complex, 30 to 50 percent slopes, extremely stony	---	1,467	3,073	2,150	11	2,116	8,817	2.6
7414	Cagwin-Rock outcrop complex, 50 to 70 percent slopes, extremely stony	---	317	415	670	10	950	2,362	0.7
7421	Cassenai gravelly loamy coarse sand, 5 to 15 percent slopes, very stony	---	21	1,264	1,492	40	95	2,912	0.9
7422	Cassenai gravelly loamy coarse sand, 15 to 30 percent slopes, very stony	---	335	2,473	2,898	53	563	6,322	1.9
7423	Cassenai gravelly loamy coarse sand, 30 to 50 percent slopes, very stony	---	717	1,998	1,924	---	720	5,359	1.6
7424	Cassenai gravelly loamy coarse sand, 50 to 70 percent slopes, very stony	---	131	218	634	---	355	1,338	0.4
7425	Cassenai cobbly loamy coarse sand, moist, 5 to 15 percent slopes, very bouldery	---	---	70	188	---	23	281	*
7426	Cassenai cobbly loamy coarse sand, moist, 15 to 30 percent slopes, very bouldery	---	7	205	655	7	154	1,028	0.3
7427	Cassenai cobbly loamy coarse sand, moist, 30 to 50 percent slopes, very bouldery	---	151	257	1,286	3	381	2,078	0.6
7428	Cassenai cobbly loamy coarse sand, moist, 50 to 70 percent slopes, very bouldery	---	---	---	884	7	45	936	0.3
7431	Celio loamy coarse sand, 0 to 5 percent slopes	---	---	---	1,119	---	---	1,119	0.3
7441	Christopher loamy coarse sand, 0 to 9 percent slopes	---	---	---	455	---	---	455	0.1
7442	Christopher loamy coarse sand, 9 to 30 percent slopes	---	---	---	670	---	---	670	0.2
7443	Christopher gravelly loamy coarse sand, 9 to 30 percent slopes	---	---	---	383	---	---	383	0.1
7444	Christopher-Gefo complex, 0 to 5 percent slopes	---	---	243	2,864	---	---	3,107	0.9
7451	Gefo gravelly loamy coarse sand, 2 to 9 percent slopes	---	---	36	714	---	56	806	0.2
7452	Gefo gravelly loamy coarse sand, 9 to 30 percent slopes	---	---	---	372	---	10	382	0.1
7461	Jabu coarse sandy loam, 0 to 9 percent slopes	---	---	187	1,516	---	---	1,703	0.5
7462	Jabu coarse sandy loam, 9 to 30 percent slopes	---	---	---	1,331	---	---	1,331	0.4
7471	Marla loamy coarse sand, 0 to 5 percent slopes	---	---	201	1,481	---	---	1,682	0.5
7481	Meeks gravelly loamy coarse sand, 0 to 5 percent slopes, stony	---	---	---	370	---	---	370	0.1
7482	Meeks gravelly loamy coarse sand, 5 to 15 percent slopes, stony	---	---	---	440	---	---	440	0.1

See footnote at end of table.

Table 4b.--Acreage and Proportionate Extent of the Soils--Continued

Map symbol	Soil name	Alpine County	Carson City County	Douglas County	El Dorado County	Placer County	Washoe County	Total	
								Area	Extent
		Acres	Acres	Acres	Acres	Acres	Acres	Acres	Pct
7483	Meeks gravelly loamy coarse sand, 0 to 5 percent slopes, very stony	---	---	---	842	---	---	842	0.2
7484	Meeks gravelly loamy coarse sand, 5 to 15 percent slopes, extremely bouldery	---	---	---	1,400	136	12	1,548	0.5
7485	Meeks gravelly loamy coarse sand, 15 to 30 percent slopes, extremely bouldery	---	---	15	2,772	372	275	3,434	1.0
7486	Meeks gravelly loamy coarse sand, 30 to 70 percent slopes, extremely bouldery	---	---	20	2,514	77	92	2,703	0.8
7487	Meeks gravelly loamy coarse sand, 5 to 15 percent slopes, rubbly	---	---	---	647	12	---	659	0.2
7488	Meeks gravelly loamy coarse sand, 15 to 30 percent slopes, rubbly	---	---	---	1,320	88	---	1,408	0.4
7489	Meeks gravelly loamy coarse sand, 30 to 70 percent slopes, rubbly	---	---	---	2,772	48	---	2,820	0.8
7491	Oneidas coarse sandy loam, 0 to 5 percent slopes	---	---	55	506	---	---	561	0.2
7492	Oneidas coarse sandy loam, 5 to 15 percent slopes	---	---	259	334	---	---	593	0.2
7500	Rock outcrop, granitic	26	---	---	3,784	---	---	3,810	1.1
7501	Rock outcrop-Rockbound complex, 5 to 30 percent slopes	317	---	---	6,290	112	---	6,719	2.0
7502	Rock outcrop-Rockbound complex, 30 to 70 percent slopes	---	---	---	5,861	249	---	6,110	1.8
7511	Shalgran-Rock outcrop complex, 30 to 75 percent slopes	120	---	---	152	---	---	272	*
7521	Tallac gravelly coarse sandy loam, 5 to 15 percent slopes, very stony	---	---	---	1,637	70	---	1,707	0.5
7522	Tallac gravelly coarse sandy loam, 15 to 30 percent slopes, very stony	---	---	---	1,614	307	---	1,921	0.6
7523	Tallac gravelly coarse sandy loam, 30 to 70 percent slopes, very stony	---	---	---	1,401	197	---	1,598	0.5
7524	Tallac gravelly coarse sandy loam, moderately well drained, 0 to 5 percent slopes	---	---	---	2,027	110	---	2,137	0.6
7525	Tallac gravelly coarse sandy loam, moderately well drained, 5 to 9 percent slopes	---	---	---	1,323	119	---	1,442	0.4
7526	Tallac gravelly coarse sandy loam, moderately well drained, 2 to 9 percent slopes, rubbly	---	---	---	77	525	---	602	0.2
7531	Toem-Rock outcrop complex, 9 to 30 percent slopes	---	6	---	178	---	45	229	*
7532	Toem-Rock outcrop complex, 30 to 50 percent slopes	---	17	10	372	---	106	505	0.1
7533	Toem-Rock outcrop complex, 50 to 70 percent slopes	---	76	---	190	---	232	498	0.1

See footnote at end of table.

Table 4b.--Acreage and Proportionate Extent of the Soils--Continued

Map symbol	Soil name	Alpine County	Carson City County	Douglas County	El Dorado County	Placer County	Washoe County	Total	
								Area	Extent
		Acres	Acres	Acres	Acres	Acres	Acres	Acres	Pct
7541	Ubaj sandy loam, 0 to 9 percent slopes	---	---	---	865	---	---	865	0.3
9001	Bidart complex, 0 to 2 percent slopes	459	---	---	470	6	123	1,058	0.3
9011	Oxyaquic Cryorthents-Aquic Xerorthents-Tahoe complex, 0 to 15 percent slopes	---	153	587	513	269	132	1,654	0.5
9101	Callat very gravelly coarse sandy loam, 9 to 30 percent slopes, very stony	669	---	---	1,349	---	160	2,178	0.6
9102	Callat very gravelly coarse sandy loam, 30 to 50 percent slopes, very stony	54	---	---	365	---	---	419	0.1
9111	Florand-Lostridge-Fishsnooze association, 15 to 50 percent slopes	294	---	---	223	---	---	517	0.2
9121	Watsonlake gravelly sandy loam, 5 to 15 percent slopes, rubbly	---	---	---	---	134	43	177	*
9122	Watsonlake gravelly sandy loam, 15 to 30 percent slopes, rubbly	---	---	---	---	542	223	765	0.2
9123	Watsonlake gravelly sandy loam, 30 to 50 percent slopes, rubbly	---	---	---	---	433	130	563	0.2
9131	Lithnip-Meiss-Hawkinspeak association, 30 to 75 percent slopes	2,034	---	---	327	---	---	2,361	0.7
9141	Melody-Rock outcrop complex, 9 to 30 percent slopes	---	---	---	61	290	---	351	0.1
9142	Melody-Rock outcrop complex, 30 to 50 percent slopes	---	---	---	109	733	---	842	0.2
9143	Melody-Rock outcrop complex, 50 to 70 percent slopes	---	---	---	140	801	---	941	0.3
9151	Shakespeare silt loam, 9 to 30 percent slopes	---	---	1,002	---	---	---	1,002	0.3
9152	Shakespeare silt loam, 30 to 50 percent slopes, very stony	---	---	216	---	---	---	216	*
9161	Sky gravelly sandy loam, 9 to 30 percent slopes	33	---	---	117	1,951	13	2,114	0.6
9162	Sky gravelly sandy loam, 30 to 50 percent slopes	46	---	---	48	1,201	37	1,332	0.4
9163	Sky gravelly sandy loam, 50 to 70 percent slopes	---	---	---	---	288	---	288	*
9164	Sky-Melody complex, 9 to 30 percent slopes	---	---	---	---	1,528	---	1,528	0.5
9165	Sky-Melody complex, 30 to 50 percent slopes	---	---	---	42	1,001	26	1,069	0.3
9166	Sky-Melody complex, 50 to 70 percent slopes	---	---	---	---	240	---	240	*
9171	Mountrose-Wardcreek-Melody complex, 50 to 70 percent slopes	---	253	218	45	754	1,602	2,872	0.9
9401	Dagget very gravelly loamy coarse sand, 15 to 30 percent slopes, extremely bouldery	9	---	1,032	1,221	---	87	2,349	0.7
9402	Dagget very gravelly loamy coarse sand, 30 to 50 percent slopes, extremely bouldery	---	---	972	1,387	---	320	2,679	0.8
9403	Dagget very gravelly loamy coarse sand, 50 to 70 percent slopes, extremely bouldery	---	---	86	426	---	69	581	0.2

See footnote at end of table.

Table 4b.--Acreage and Proportionate Extent of the Soils--Continued

Map symbol	Soil name	Alpine County	Carson City County	Douglas County	El Dorado County	Placer County	Washoe County	Total	
								Area	Extent
		Acres	Acres	Acres	Acres	Acres	Acres	Acres	Pct
9404	Dagget very gravelly loamy coarse sand, moist, 5 to 15 percent slopes, rubbly	7	---	---	1,733	---	243	1,983	0.6
9405	Dagget very gravelly loamy coarse sand, moist, 15 to 30 percent slopes, rubbly	12	---	---	2,574	---	390	2,976	0.9
9406	Dagget very gravelly loamy coarse sand, moist, 30 to 70 percent slopes, rubbly	---	---	---	1,447	57	217	1,721	0.5
9407	Dagget-Rock outcrop complex, moist, 30 to 70 percent slopes	---	---	---	766	---	---	766	0.2
9411	Freelpeak-Windyridge-Rock outcrop complex, 15 to 75 percent slopes	22	---	---	435	---	---	457	0.1
9421	Jobsis-Whittell-Rock outcrop complex, cool, 8 to 30 percent slopes	121	---	163	2,349	---	358	2,991	0.9
9431	Sofgran-Klauspeak-Temo association, 15 to 50 percent slopes	25	---	---	176	---	---	201	*
9441	Temo-Witefels complex, 5 to 15 percent slopes	11	17	202	543	76	89	938	0.3
9442	Temo-Witefels complex, 15 to 30 percent slopes	34	309	189	2,042	146	666	3,386	1.0
9443	Temo-Witefels complex, 30 to 50 percent slopes	1	689	214	3,217	98	963	5,182	1.5
9444	Temo-Witefels complex, 50 to 70 percent slopes	---	154	---	1,963	27	646	2,790	0.8
9451	Waterpeak-Rock outcrop complex, 30 to 75 percent slopes	1	---	---	608	---	---	609	0.2
9461	Whittell-Jobsis-Rock outcrop complex, cool, 30 to 75 percent slopes	75	---	416	4,408	---	1,197	6,096	1.8
W	Water	26	7,973	16,434	39,222	51,906	14,121	129,682	38.5
	Total	4,697	14,579	40,412	143,881	99,126	34,159	336,854	100.0

* Less than 0.1 percent.

Table 5.--Land Capability Classification

(Miscellaneous areas that occur as minor components are not listed)

Map symbol and component name	Land capability
7011:	
Beaches.	
Oxyaquic Xeropsamments	5w
Watah	5w
Gefo, barrier beach	6s
Marla	6w
Cagwin	6s
Cassenai gravelly loamy coarse sand	6s
Jorge very gravelly sandy loam	4e-4
Tahoe silt loam	5w
Tahoma	4e-7
Toem	7e
7021:	
Hellhole	5w
Bidart, wet	5w
Watah	5w
7031:	
Pits and dumps.	
7041:	
Tahoe silt loam	5w
Tahoe silt loam, wet	5w
Marla	6w
Tahoe, gravelly	6w
Watah	5w
7042:	
Tahoe, gravelly	6w
Tahoe, gravelly, wet	6w
Marla	6w
Tahoe silt loam	5w
Watah	5w
7043:	
Tahoe, drained	5w
Marla	6w

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
7043:	
Tahoe, gravelly	6w
Tahoe silt loam, wet	5w
Watah	5w
7051:	
Oxyaquic Xerorthents	6s
Water.	
Marla	6w
Watah	5w
7061.	
Urban land	
7071:	
Watah	5w
Tahoe, gravelly, wet	6w
Tahoe silt loam, wet	5w
Marla	6w
Bidart, wet	5w
Hellhole	5w
7101:	
Caverock	7e
Cagwin	7e
Cassenai gravelly loamy coarse sand	6e
Deerhill	6e
Genoapeak	7e
Southcamp	7e
Zephyrcove	8
Aquic Xerorthents	6w
7111:	
Deerhill	6e
Cassenai gravelly loamy coarse sand	6e
Cagwin	6e
Shakespeare	6e
Southcamp	4e-7
Zephyrcove	6e
Genoapeak	7e
Aquic Xerorthents	6w

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
7112:	
Deerhill	7e
Cassenai gravelly loamy coarse sand	7e
Cagwin	7e
Shakespeare	7e
Southcamp	7e
Zephyrcove	8
Genoapeak	7e
Aquic Xerorthents	6w
7121:	
Ellispeak	8
Rock outcrop, volcanic.	
Waca	4e-7
Kneeridge, well drained	4e-7
Paige	6e
Tahoe, gravelly	6w
7122:	
Ellispeak	8
Rock outcrop, volcanic.	
Waca	6e
Kneeridge, well drained	4e-7
Aquic Xerorthents	6w
Paige	7e
7123:	
Ellispeak	8
Rock outcrop, volcanic.	
Waca	7e
Kneeridge, well drained	4e-7
Aquic Xerorthents	6w
Paige	7e
7131:	
Ellispeak	8
Waca	4e-7
Windy	4e-7
Aquic Xerorthents	6w

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
7132:	
Ellispeak	8
Waca	6e
Windy	4e-7
Aquic Xerorthents	6w
7133:	
Ellispeak	8
Waca	7e
Windy	4e-7
Aquic Xerorthents	6w
7141:	
Inville	4e-1
Christopher loamy coarse sand	6s
Cassenai gravelly loamy coarse sand	6s
Jorge very gravelly sandy loam	4e-4
Kingsbeach	4e-1
Aquic Xerorthents	6w
7142:	
Inville	4e-1
Cassenai gravelly loamy coarse sand	6s
Christopher gravelly loamy coarse sand	6e
Jorge very gravelly sandy loam	4e-4
Meeks, extremely bouldery	6s
Aquic Xerorthents	6w
7143:	
Inville	4e-1
Cassenai gravelly loamy coarse sand	6e
Christopher gravelly loamy coarse sand	6e
Jorge very gravelly sandy loam	6e
Meeks, extremely bouldery	6e
Aquic Xerorthents	6w
7151:	
Jorge very cobbly fine sandy loam	4e-4
Tahoma	4e-7
Waca	4e-7

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
7151:	
Jorge very cobbly loam	4e-4
Ellispeak	8
Sky	6e
Aquic Xerorthents	6w
7152:	
Jorge very cobbly fine sandy loam	6e
Tahoma	6e
Waca	4e-7
Jorge very cobbly loam	7e
Ellispeak	8
Sky	6e
Aquic Xerorthents	6w
7153:	
Jorge very cobbly fine sandy loam	7e
Tahoma	7e
Waca	6e
Jorge very cobbly loam	7e
Ellispeak	8
Sky	7e
Aquic Xerorthents	6w
7154:	
Jorge very cobbly loam	4e-4
Tahoma	4e-7
Ellispeak	8
Waca	4e-7
Tahoe, gravelly	6w
7155:	
Jorge very cobbly loam	7e
Tahoma	6e
Ellispeak	8
Waca	4e-7
Tahoe, gravelly	6w

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
7156:	
Jorge very gravelly sandy loam	6e
Tahoma	6e
Waca	4e-7
Inville	4e-1
Ellispeak	8
Tahoe, gravelly	6w
7157:	
Jorge very gravelly sandy loam	7e
Tahoma	7e
Waca	6e
Inville	4e-1
Ellispeak	8
Tahoe, gravelly	6w
7161:	
Kingsbeach	4e-1
Tahoma	4e-7
Jorge very gravelly sandy loam	4e-4
7171:	
Kneeridge, extremely stony	4e-7
Jorge very gravelly sandy loam	4e-4
Paige	4e-1
Waca	4e-7
Tahoe, gravelly	6w
7172:	
Kneeridge, well drained	4e-7
Jorge very gravelly sandy loam	4e-4
Paige	4e-1
Waca	4e-7
Tahoe, gravelly	6w
7173:	
Kneeridge, very stony	4e-7
Jorge very gravelly sandy loam	4e-4
Paige	4e-1
Waca	4e-7
Tahoe, gravelly	6w

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
7174:	
Kneeridge, very stony	4e-7
Jorge very gravelly sandy loam	4e-4
Paige	4e-1
Waca	4e-7
Tahoe, gravelly	6w
7181:	
Paige	4e-1
Kneeridge, well drained	4e-7
Jorge very gravelly sandy loam	4e-4
Tahoe, gravelly	6w
Waca	4e-7
7182:	
Paige	6e
Jorge very gravelly sandy loam	6e
Tahoma	6e
Waca	4e-7
Kneeridge, well drained	4e-7
Tahoe, gravelly	6w
7183:	
Paige	7e
Jorge very gravelly sandy loam	7e
Tahoma	7e
Waca	6e
Tahoe, gravelly	6w
7191:	
Rock outcrop, volcanic.	
Glenalpine	8
Lithnip	7s
Meiss	7e
Melody	7e
7201:	
Rubble land, talus.	
Glenalpine	8
Rockbound very stony loam	8

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
7211:	
Southcamp	7e
Cassenai gravelly loamy coarse sand	8
Genoapeak	7e
Zephyrcove	8
Cagwin	8
Deerhill	7e
Aquic Xerorthents	6w
7221:	
Tahoma	4e-7
Waca	4e-7
Inville	4e-1
Aquic Xerorthents	6w
Ellispeak	8
7222:	
Tahoma	4e-7
Jorge very gravelly sandy loam	4e-4
Waca	4e-7
Inville	4e-1
Ellispeak	8
Tahoe, gravelly	6w
7231:	
Waca	4e-7
Ellispeak	8
Windy	4e-7
Kneeridge, well drained	4e-7
Paige	6e
Aquic Xerorthents	6w
7232:	
Waca	6e
Ellispeak	8
Windy	4e-7
Kneeridge, well drained	4e-7
Paige	7e

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
7232:	
Aquic Xerorthents	6w
Typic Epiaquents	6w
7233:	
Waca	7e
Ellispeak	8
Windy	4e-7
Kneeridge, well drained	4e-7
Paige	7e
Aquic Xerorthents	6w
7241:	
Zephyrcove	6e
Southcamp	4e-7
Genoapeak	7e
Cagwin	6e
Cassenai gravelly loamy coarse sand	6e
Deerhill	6e
Aquic Xerorthents	6w
7242:	
Zephyrcove	8
Southcamp	7e
Genoapeak	7e
Cagwin	7e
Cassenai gravelly loamy coarse sand	7e
Deerhill	7e
Aquic Xerorthents	6w
7401:	
Burnlake	6s
Roadcat	6s
Hardtil	7s
Aquic Haplocryolls	7s
Aspetill	7s
Cumulic Cryaquolls	7s
Stumpatil	7s
Typic Haploxerepts	7s

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
7411:	
Cagwin	6s
Rock outcrop, granitic.	
Cassenai gravelly loamy coarse sand	6s
Toem	7e
Dagget very gravelly loamy coarse sand	6e
Temo	8
Witefels	6s
Marla	6w
7412:	
Cagwin	6e
Rock outcrop, granitic.	
Cassenai gravelly loamy coarse sand	6e
Toem	7e
Dagget very gravelly loamy coarse sand	6e
Temo	8
Witefels	6e
Marla	6w
7413:	
Cagwin	7e
Rock outcrop, granitic.	
Cassenai gravelly loamy coarse sand	7e
Toem	7e
Dagget very gravelly loamy coarse sand	7e
Temo	8
Witefels	7e
Marla	6w
7414:	
Cagwin	8
Rock outcrop, granitic.	
Cassenai gravelly loamy coarse sand	8
Toem	8
Dagget very gravelly loamy coarse sand	8
Temo	8

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
7414:	
Witefels	8
Marla	6w
7421:	
Cassenai gravelly loamy coarse sand	6s
Cagwin	6s
Toem	7e
Christopher gravelly loamy coarse sand	6e
Christopher loamy coarse sand	6s
Marla	6w
7422:	
Cassenai gravelly loamy coarse sand	6e
Cagwin	6e
Dagget very gravelly loamy coarse sand	6e
Toem	7e
Aquic Xerorthents	6w
Christopher gravelly loamy coarse sand	6e
7423:	
Cassenai gravelly loamy coarse sand	7e
Cagwin	7e
Toem	7e
Christopher gravelly loamy coarse sand	6e
Aquic Xerorthents	6w
7424:	
Cassenai gravelly loamy coarse sand	8
Cagwin	8
Toem	8
Aquic Xerorthents	6w
7425:	
Cassenai, moist	6s
Cagwin	6s
Meeks, extremely bouldery	6s
Tallac, very stony	4e-7
Toem	7e
Marla	6w

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
7426:	
Cassenai, moist	6e
Cagwin	6e
Tallac, very stony	6e
Meeks, extremely bouldery	6e
Toem	7e
Aquic Xerorthents	6w
Marla	6w
7427:	
Cassenai, moist	7e
Cagwin	7e
Meeks, extremely bouldery	7e
Toem	7e
Tallac, very stony	7e
Aquic Xerorthents	6w
7428:	
Cassenai, moist	8
Cagwin	8
Meeks, extremely bouldery	7e
Toem	8
Tallac, very stony	7e
Aquic Xerorthents	6w
7431:	
Celio	6s
Meeks, stony	6s
Tahoe, gravelly	6w
Marla	6w
Watah	5w
7441:	
Christopher loamy coarse sand	6s
Gefo gravelly loamy coarse sand	6s
Jabu	4e-1
Oneidas	6e
Marla	6w

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
7442:	
Christopher loamy coarse sand	6e
Gefo gravelly loamy coarse sand	6s
Jabu	6e
Oneidas	6e
Marla	6w
7443:	
Christopher gravelly loamy coarse sand	6e
Gefo gravelly loamy coarse sand	6s
Jabu	6e
Oneidas	6e
Marla	6w
7444:	
Christopher loamy coarse sand	6s
Gefo gravelly loamy coarse sand	6s
Jabu	4e-1
Marla	6w
Oneidas	6e
Ubaj	4e-1
7451:	
Gefo gravelly loamy coarse sand	6s
Christopher loamy coarse sand	6s
Jabu	4e-1
Oneidas	6e
Marla	6w
7452:	
Gefo gravelly loamy coarse sand	6s
Christopher loamy coarse sand	6e
Jabu	6e
Oneidas	6e
Marla	6w
7461:	
Jabu	4e-1
Christopher loamy coarse sand	6s
Oneidas	6e

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
7461:	
Gefo gravelly loamy coarse sand	6s
Marla	6w
7462:	
Jabu	6e
Christopher loamy coarse sand	6e
Oneidas	6e
Gefo gravelly loamy coarse sand	6s
Marla	6w
7471:	
Marla	6w
Christopher loamy coarse sand	6s
Gefo gravelly loamy coarse sand	6s
Tahoe silt loam	5w
Ubaj	4e-1
Watah	5w
7481:	
Meeks, stony	6s
Cassenai gravelly loamy coarse sand	6s
Celio	6s
Gefo gravelly loamy coarse sand	6s
Tahoe, gravelly	6w
7482:	
Meeks, stony	6s
Cassenai gravelly loamy coarse sand	6s
Oneidas	6e
Celio	6s
7483:	
Meeks, very stony	6s
Cassenai gravelly loamy coarse sand	6s
Celio	6s
Jabu	4e-1
7484:	
Meeks, extremely bouldery	6s
Burnlake	6s

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
7484:	
Meeks, rubbly	6s
Dagget, moist	6s
Tallac, very stony	4e-7
Roadcat	6s
Aquic Xerorthents	6w
Jabu	6e
7485:	
Meeks, extremely bouldery	6e
Burnlake	6s
Meeks, rubbly	6e
Dagget, moist	6e
Tallac, very stony	6e
Roadcat	6s
Aquic Xerorthents	6w
Jabu	6e
7486:	
Meeks, extremely bouldery	7e
Burnlake	6s
Meeks, rubbly	7e
Dagget, moist	8
Tallac, very stony	7e
Roadcat	6s
Aquic Xerorthents	6w
Jabu	6e
7487:	
Meeks, rubbly	6s
Burnlake	6s
Rockbound very gravelly loam	7s
Roadcat	6s
Cagwin	6s
Cassenai gravelly loamy coarse sand	6s
Aquic Xerorthents	6w

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
7488:	
Meeks, rubbly	6e
Burnlake	6s
Rockbound very gravelly loam	7s
Roadcat	6s
Cagwin	6e
Cassenai gravelly loamy coarse sand	6e
Aquic Xerorthents	6w
7489:	
Meeks, rubbly	7e
Burnlake	6s
Rockbound very stony loam	8
Roadcat	6s
Cassenai gravelly loamy coarse sand	8
Aquic Xerorthents	6w
Cagwin	8
Toem	8
7491:	
Oneidas	6e
Jabu	4e-1
Christopher loamy coarse sand	6s
Meeks, stony	6s
Gefo gravelly loamy coarse sand	6s
Marla	6w
7492:	
Oneidas	6e
Jabu	6e
Christopher loamy coarse sand	6e
Meeks, stony	6s
Gefo gravelly loamy coarse sand	6s
Marla	6w
7500:	
Rock outcrop, granitic.	
Rockbound very stony loam	8
Toem	8

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
7500:	
Windyridge	8
Freelpeak	8
Jobsis	7s
7501:	
Rock outcrop, granitic.	
Rockbound very gravelly loam	7s
Dagget, moist	6s
Meeks, rubbly	6s
Temo	8
Witefels	6s
7502:	
Rock outcrop, granitic.	
Rockbound very stony loam	8
Dagget, moist	6e
Glenalpine	8
Temo	8
Witefels	7e
7511:	
Shalgran	7s
Rock outcrop.	
Sofgran	7s
Dystric Xerorthents	7s
Burnlake	7s
Jobsis	7s
Temo	8
7521:	
Tallac, very stony	4e-7
Tallac, rubbly	4e-7
Tallac, moderately well drained	6e
Meeks, extremely bouldery	6s
Aquic Xerorthents	6w
7522:	
Tallac, very stony	6e
Meeks, extremely bouldery	6e

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
7522:	
Aquic Xerorthents	6w
Cagwin	6e
Cassenai gravelly loamy coarse sand	6e
Dagget, moist	6e
Rockbound very gravelly loam	7s
7523:	
Tallac, very stony	6e
Meeks, extremely bouldery	7e
Aquic Xerorthents	6w
Cagwin	8
Cassenai gravelly loamy coarse sand	8
Dagget, moist	8
Rockbound very stony loam	8
7524:	
Tallac, moderately well drained	6e
Tallac, moderately well drained	6e
Meeks, very stony	6s
Callat	7e
Tahoe, gravelly	6w
7525:	
Tallac, moderately well drained	6e
Tallac, moderately well drained	6e
Meeks, extremely bouldery	6s
Callat	7e
Tahoe, gravelly	6w
7526:	
Tallac, rubbly	4e-7
Tallac, moderately well drained	6e
Tallac, very stony	4e-7
Aquic Xerorthents	6w
7531:	
Toem	7e
Rock outcrop, granitic.	
Cagwin	6e

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
7531:	
Cassenai gravelly loamy coarse sand	6e
7532:	
Toem	7e
Rock outcrop, granitic.	
Cagwin	7e
Cassenai gravelly loamy coarse sand	7e
Dagget very gravelly loamy coarse sand	7e
7533:	
Toem	8
Rock outcrop, granitic.	
Cagwin	8
Cassenai gravelly loamy coarse sand	8
7541:	
Ubaj	4e-1
Christopher loamy coarse sand	6s
Jabu	4e-1
Oneidas	6e
Gefo gravelly loamy coarse sand	6s
Marla	6w
9001:	
Bidart mucky silt loam	5w
Bidart, wet	5w
Tahoe, gravelly	6w
Tahoe silt loam	5w
Watah	5w
Hellhole	5w
9011:	
Oxyaquic Cryorthents	6w
Aquic Xerorthents	6w
Tahoe, gravelly	6w
Bidart mucky silt loam	5w
Watah	5w
Marla	6w

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
9101:	
Callat	7e
Glenalpine	8
Meeks, extremely bouldery	6e
Tallac, very stony	6e
Oxyaquic Cryorthents	6w
9102:	
Callat	7e
Glenalpine	8
Meeks, extremely bouldery	7e
Tallac, very stony	7e
Oxyaquic Cryorthents	6w
9111:	
Florand	6s
Lostridge	6s
Fishsnooze	6s
Aquic Haplocryolls	7s
Lithnip, moist	7s
Stumpatil	7s
Lithnip	7s
Morscour	7s
Typic Cryaquolls	5w
9121:	
Watsonlake	6e
Jorge very cobbly fine sandy loam	4e-4
Sky	6e
Tahoma	4e-7
Waca	4e-7
Ellispeak	8
Oxyaquic Cryorthents	6w
9122:	
Watsonlake	6e
Jorge very cobbly fine sandy loam	6e
Tahoma	6e
Waca	4e-7

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
9122:	
Sky	6e
Ellispeak	8
Oxyaquic Cryorthents	6w
9123:	
Watsonlake	7e
Jorge very cobbly fine sandy loam	7e
Tahoma	7e
Waca	6e
Sky	7e
Ellispeak	8
Oxyaquic Cryorthents	6w
9131:	
Lithnip	7s
Meiss	7e
Hawkinspeak	6s
Lostridge	7s
Fishsnooze	7s
Hawkinspeak, moist	7s
Aspocket	7s
Hawkridge	7s
Typic Cryaquolls	5w
9141:	
Melody	7e
Rock outcrop, volcanic.	
Sky	6e
Mountrose	8
Wardcreek	7e
Lithnip	7s
Meiss	7e
Oxyaquic Cryorthents	6w
9142:	
Melody	7e
Rock outcrop, volcanic.	

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
9142:	
Sky	7e
Mountrose	8
Wardcreek	7e
Lithnip	7s
Meiss	7e
Oxyaquic Cryorthents	6w
9143:	
Melody	7e
Rock outcrop, volcanic.	
Sky	8
Mountrose	8
Wardcreek	7e
Lithnip	7s
Meiss	7e
Oxyaquic Cryorthents	6w
9151:	
Shakespeare	6e
Deerhill	6e
Mountrose	8
Melody	7e
Wardcreek	7e
Dagget very gravelly loamy coarse sand	7e
Oxyaquic Cryorthents	6w
Temo	8
Witefels	6e
9152:	
Shakespeare	7e
Deerhill	7e
Mountrose	8
Melody	7e
Wardcreek	7e
Dagget very gravelly loamy coarse sand	7e

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
9152:	
Oxyaquic Cryorthents	6w
Temo	8
Witefels	7e
9161:	
Sky	6e
Melody	7e
Mountrose	8
Wardcreek	7e
Lithnip	7s
Meiss	7e
Oxyaquic Cryorthents	6w
9162:	
Sky	7e
Melody	7e
Mountrose	8
Wardcreek	7e
Lithnip	7s
Meiss	7e
Oxyaquic Cryorthents	6w
9163:	
Sky	8
Melody	7e
Mountrose	8
Wardcreek	7e
Lithnip	7s
Meiss	7e
Oxyaquic Cryorthents	6w
9164:	
Sky	6e
Melody	7e
Mountrose	8
Wardcreek	7e
Lithnip	7s

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
9164:	
Meiss	7e
Oxyaquic Cryorthents	6w
9165:	
Sky	7e
Melody	7e
Mountrose	8
Wardcreek	7e
Lithnip	7s
Meiss	7e
Oxyaquic Cryorthents	6w
9166:	
Sky	8
Melody	7e
Mountrose	8
Wardcreek	7e
Lithnip	7s
Meiss	7e
Oxyaquic Cryorthents	6w
9171:	
Mountrose	8
Wardcreek	7e
Melody	7e
Meiss	7e
Sky	7e
9401:	
Dagget very gravelly loamy coarse sand	6e
Temo	8
Witefels	6e
Jobsis	7s
Whittell	8
Cagwin	6e
Cassenai, moist	6e
Toem	7e
Oxyaquic Cryorthents	6w

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
9402:	
Dagget very gravelly loamy coarse sand	7e
Temo	8
Witefels	7e
Jobsis	7s
Whittell	8
Cagwin	7e
Cassenai, moist	7e
Toem	7e
Oxyaquic Cryorthents	6w
9403:	
Dagget very gravelly loamy coarse sand	8
Temo	8
Witefels	8
Jobsis	7s
Whittell	8
Cagwin	8
Cassenai, moist	8
Toem	8
Oxyaquic Cryorthents	6w
9404:	
Dagget, moist	6s
Cassenai, moist	6s
Rockbound very gravelly loam	7s
Jobsis	7s
Oxyaquic Cryorthents	6w
Temo	8
Whittell	8
Witefels	6s
9405:	
Dagget, moist	6e
Cassenai, moist	6e
Rockbound very gravelly loam	7s
Jobsis	7s

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
9405:	
Oxyaquic Cryorthents	6w
Temo	8
Whittell	8
Witefels	6e
9406:	
Dagget, moist	8
Cassenai, moist	8
Rockbound very stony loam	8
Jobsis	7s
Oxyaquic Cryorthents	6w
Temo	8
Whittell	8
Witefels	8
9407:	
Dagget, moist	8
Rock outcrop, granitic.	
Temo	8
Witefels	8
Whittell	8
Cassenai, moist	8
Jobsis	7s
Oxyaquic Cryorthents	6w
9411:	
Freelpeak	8e
Windyridge	8s
Rock outcrop.	
Jobsis	7s
Whittell	7e
Waterpeak	7s
Buggin	7s
9421:	
Jobsis	7s
Whittell	7e
Rock outcrop.	

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
9421:	
Typic Cryorthents, 8 to 30 percent slopes	7s
Windyridge	7s
Klauspeak	7s
Shalgran	7s
Buggin	7s
Typic Cryorthents, 4 to 30 percent slopes	7s
Waterpeak	7s
9431:	
Sofgran	6e
Klauspeak	6e
Temo	8
Shalgran	7s
Xeric Humicryepts	7s
Stumpatil	7s
Aquic Haplocryolls	7s
Hopeval	5w
9441:	
Temo	8
Witefels	6s
Dagget very gravelly loamy coarse sand	6e
Cagwin	6s
Oxyaquic Cryorthents	6w
9442:	
Temo	8
Witefels	6e
Dagget very gravelly loamy coarse sand	6e
Cagwin	6e
Oxyaquic Cryorthents	6w
9443:	
Temo	8
Witefels	7e
Dagget very gravelly loamy coarse sand	7e
Cagwin	7e
Oxyaquic Cryorthents	6w

Table 5.--Land Capability Classification--Continued

Map symbol and component name	Land capability
9444:	
Temo	8
Witefels	8
Dagget very gravelly loamy coarse sand	8
Cagwin	8
Oxyaquic Cryorthents	6w
9451:	
Waterpeak	7s
Rock outcrop.	
Shalgran	7s
Typic Cryorthents	7s
Pachic Haplocryolls	7s
9461:	
Whittell	7e
Jobsis	7s
Jobsis	7s
Windyridge	7s
Klauspeak	7s
Shalgran	7s
Buggin	7s
Typic Cryorthents	7s
Waterpeak	7s

Table 6.--Forest Overstory and Understory Cover

(Only the map units that are commonly used for forest production are listed)

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7101:				
Caverock--------	Jeffrey pine (PIJE)	22	Greenleaf manzanita (ARPA6)	20
	White fir (ABCO)	5	Sierra chinquapin (CHSE11)	2
			Antelope bitterbrush (PUTR2)	2
			Mountain big sagebrush (ARTRV)	2
			Snowbrush ceanothus (CEVE)	2
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Prostrate ceanothus (CEPR)	1
			Holboell's rockcress (ARHO2)	<1
			Pinemat manzanita (ARNE)	<1
			Silverleaf phacelia (PHHA)	<1
			Spreading groundsmoke (GADI2)	<1
			Wax currant (RICE)	<1
			Western bottlebrush grass (ELEL5)	<1
			White fir (ABCO)	<1
7111:				
Deerhill--------	Jeffrey pine (PIJE)	35	Woolly mule-ears (WYMO)	4
	White fir (ABCO)	15	Bottlebrush squirreltail (ELEL5)	2
			Jeffrey pine (PIJE)	1
			Mountain big sagebrush (ARTRV)	1
			Needlegrass (ACHNA)	1
			Roundleaf snowberry (SYRO)	1
			White fir (ABCO)	1
			Sandberg bluegrass (POSE)	<1
			Antelope bitterbrush (PUTR2)	<1
			Arrowleaf balsamroot (BASA3)	<1
			Lambstongue ragwort (SEIN2)	<1
			Milk kelloggia (KEGA)	<1
			Mountain monardella (MOOD)	<1
			Pinemat manzanita (ARNE)	<1
			Silverleaf phacelia (PHHA)	<1
			Spreading groundsmoke (GADI2)	<1
			Wax currant (RICE)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7112:				
Deerhill--------	Jeffrey pine (PIJE)	35	Woolly mule-ears (WYMO)	4
	White fir (ABCO)	15	Bottlebrush squirreltail (ELEL5)	2
			Jeffrey pine (PIJE)	1
			Mountain big sagebrush (ARTRV)	1
			Needlegrass (ACHNA)	1
			Roundleaf snowberry (SYRO)	1
			White fir (ABCO)	1
			Sandberg bluegrass (POSE)	<1
			Antelope bitterbrush (PUTR2)	<1
			Arrowleaf balsamroot (BASA3)	<1
			Lambstongue ragwort (SEIN2)	<1
			Milk kelloggia (KEGA)	<1
			Mountain monardella (MOOD)	<1
			Pinemat manzanita (ARNE)	<1
			Silverleaf phacelia (PHHA)	<1
			Spreading groundsmoke (GADI2)	<1
			Wax currant (RICE)	<1
7131: Ellispeak.				
Waca----------	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7132: Ellispeak.				
Waca	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1
7133: Ellispeak.				
Waca	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7141:				
Inville---------	Jeffrey pine (PIJE)	65	Greenleaf manzanita (ARPA6)	6
	White fir (ABCO)	5		
	Murray lodgepole pine (PICOM)	2	Prostrate ceanothus (CEPR)	5
	Incense cedar (CADE27)	<1	Whitethorn ceanothus (CECO)	4
			Murray lodgepole pine (PICOM)	3
			Creeping snowberry (SYMO)	1
			Gooseberry (RIBES)	1
			Milk kelloggia (KEGA)	1
			Western needlegrass (ACOC3)	1
			White fir (ABCO)	1
			Holboell's rockcress (ARHO2)	<1
			Lemmon's catchfly (SILE2)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Pinewoods lousewort (PESE2)	<1
			Western bottlebrush grass (ELEL5)	<1
7142:				
Inville---------	Jeffrey pine (PIJE)	65	Greenleaf manzanita (ARPA6)	6
	White fir (ABCO)	5		
	Murray lodgepole pine (PICOM)	2	Prostrate ceanothus (CEPR)	5
	Incense cedar (CADE27)	<1	Whitethorn ceanothus (CECO)	4
			Murray lodgepole pine (PICOM)	3
			Creeping snowberry (SYMO)	1
			Gooseberry (RIBES)	1
			Milk kelloggia (KEGA)	1
			Western needlegrass (ACOC3)	1
			White fir (ABCO)	1
			Holboell's rockcress (ARHO2)	<1
			Lemmon's catchfly (SILE2)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Pinewoods lousewort (PESE2)	<1
			Western bottlebrush grass (ELEL5)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7143:				
Inville---------	Jeffrey pine (PIJE)	65	Greenleaf manzanita (ARPA6)	6
	White fir (ABCO)	5	Prostrate ceanothus (CEPR)	5
	Murray lodgepole pine (PICOM)	2	Whitethorn ceanothus (CECO)	4
	Incense cedar (CADE27)	<1	Murray lodgepole pine (PICOM)	3
			Creeping snowberry (SYMO)	1
			Gooseberry (RIBES)	1
			Milk kelloggia (KEGA)	1
			Western needlegrass (ACOC3)	1
			White fir (ABCO)	1
			Holboell's rockcress (ARHO2)	<1
			Lemmon's catchfly (SILE2)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Pinewoods lousewort (PESE2)	<1
			Western bottlebrush grass (ELEL5)	<1
7151:				
Jorge very cobbly fine sandy loam-----	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10	Greenleaf manzanita (ARPA6)	3
	Jeffrey pine (PIJE)	6	Prostrate ceanothus (CEPR)	3
	Incense cedar (CADE27)	<1	White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7152:				
Jorge very cobbly fine sandy loam-----	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10		
	Incense cedar (CADE27)	6	Greenleaf manzanita (ARPA6)	3
			Prostrate ceanothus (CEPR)	3
			White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1
7153:				
Jorge very cobbly fine sandy loam-----	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10		
	Incense cedar (CADE27)	6	Greenleaf manzanita (ARPA6)	3
			Prostrate ceanothus (CEPR)	3
			White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7154:				
Jorge very cobbly loam----	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10	Greenleaf manzanita (ARPA6)	3
	Incense cedar (CADE27)	6	Prostrate ceanothus (CEPR)	3
			White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1
7155:				
Jorge very cobbly loam----	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10	Greenleaf manzanita (ARPA6)	3
	Incense cedar (CADE27)	6	Prostrate ceanothus (CEPR)	3
			White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7156:				
Jorge very gravelly sandy loam----------	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10		
	Incense cedar (CADE27)	6	Greenleaf manzanita (ARPA6)	3
			Prostrate ceanothus (CEPR)	3
			White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1
Tahoma----------	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10		
	Incense cedar (CADE27)	6	Greenleaf manzanita (ARPA6)	3
			Prostrate ceanothus (CEPR)	3
			White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7157: Jorge very gravelly sandy loam	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10		
	Incense cedar (CADE27)	6	Greenleaf manzanita (ARPA6)	3
			Prostrate ceanothus (CEPR)	3
			White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1
Tahoma	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10		
	Incense cedar (CADE27)	6	Greenleaf manzanita (ARPA6)	3
			Prostrate ceanothus (CEPR)	3
			White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7161:				
Kingsbeach------	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10		
	Incense cedar (CADE27)	6	Greenleaf manzanita (ARPA6)	3
			Prostrate ceanothus (CEPR)	3
			White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1
7171:				
Kneeridge, extremely stony	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7172:				
Kneeridge, well drained	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1
7173:				
Kneeridge, very stony	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7174:				
Kneeridge, very stony----------	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1
7181:				
Paige----------	White fir (ABCO)	40	Creeping snowberry (SYMO)	5
	California red fir (ABMA)	20	White fir (ABCO)	5
	Jeffrey pine (PIJE)	5	Brewer's aster (EUBR12)	3
	Murray lodgepole pine (PICOM)	1	California red fir (ABMA)	2
			Greenleaf manzanita (ARPA6)	1
			Mountain monardella (MOOD)	1
			Wax currant (RICE)	1
			Waxy checkerbloom (SIGL2)	1
			Fendler's meadow-rue (THFE)	<1
			Jeffrey pine (PIJE)	<1
			Murray lodgepole pine (PICOM)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Little prince's pine (CHME)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Rose thistle (CIAN)	<1
			Sweetcicely (OSBE)	<1
			Whitevein shinleaf (PYPI2)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7182:				
Paige----------	White fir (ABCO)	40	Creeping snowberry (SYMO)	5
	California red fir (ABMA)	20	White fir (ABCO)	5
	Jeffrey pine (PIJE)	5	Brewer's aster (EUBR12)	3
	Murray lodgepole pine (PICOM)	1	California red fir (ABMA)	2
			Greenleaf manzanita (ARPA6)	1
			Mountain monardella (MOOD)	1
			Wax currant (RICE)	1
			Waxy checkerbloom (SIGL2)	1
			Fendler's meadow-rue (THFE)	<1
			Jeffrey pine (PIJE)	<1
			Murray lodgepole pine (PICOM)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Little prince's pine (CHME)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Rose thistle (CIAN)	<1
			Sweetcicely (OSBE)	<1
			Whitevein shinleaf (PYPI2)	<1
7183:				
Paige----------	White fir (ABCO)	40	Creeping snowberry (SYMO)	5
	California red fir (ABMA)	20	White fir (ABCO)	5
	Jeffrey pine (PIJE)	5	Brewer's aster (EUBR12)	3
	Murray lodgepole pine (PICOM)	1	California red fir (ABMA)	2
			Greenleaf manzanita (ARPA6)	1
			Mountain monardella (MOOD)	1
			Wax currant (RICE)	1
			Waxy checkerbloom (SIGL2)	1
			Fendler's meadow-rue (THFE)	<1
			Jeffrey pine (PIJE)	<1
			Murray lodgepole pine (PICOM)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Little prince's pine (CHME)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Rose thistle (CIAN)	<1
			Sweetcicely (OSBE)	<1
			Whitevein shinleaf (PYPI2)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7211:				
Southcamp-------	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10	Greenleaf manzanita (ARPA6)	3
	Incense cedar (CADE27)	6	Prostrate ceanothus (CEPR)	3
			White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1
7221:				
Tahoma----------	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10	Greenleaf manzanita (ARPA6)	3
	Incense cedar (CADE27)	6	Prostrate ceanothus (CEPR)	3
			White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7222:				
Tahoma----------	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10		
	Incense cedar (CADE27)	6	Greenleaf manzanita (ARPA6)	3
			Prostrate ceanothus (CEPR)	3
			White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1
Jorge very gravelly sandy loam----------	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10		
	Incense cedar (CADE27)	6	Greenleaf manzanita (ARPA6)	3
			Prostrate ceanothus (CEPR)	3
			White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7231:				
Waca----------	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1
7232:				
Waca----------	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7233:				
Waca----------	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1
7241:				
Zephyrcove------	Jeffrey pine (PIJE)	22	Greenleaf manzanita (ARPA6)	20
	White fir (ABCO)	5		
			Sierra chinquapin (CHSE11)	2
			Antelope bitterbrush (PUTR2)	2
			Mountain big sagebrush (ARTRV)	2
			Snowbrush ceanothus (CEVE)	2
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Prostrate ceanothus (CEPR)	1
			Holboell's rockcress (ARHO2)	<1
			Pinemat manzanita (ARNE)	<1
			Silverleaf phacelia (PHHA)	<1
			Spreading groundsmoke (GADI2)	<1
			Wax currant (RICE)	<1
			Western bottlebrush grass (ELEL5)	<1
			White fir (ABCO)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7241:				
Southcamp-------	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10		
	Incense cedar (CADE27)	6	Greenleaf manzanita (ARPA6)	3
			Prostrate ceanothus (CEPR)	3
			White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1
Genoapeak.				
7242:				
Zephyrcove------	Jeffrey pine (PIJE)	22	Greenleaf manzanita (ARPA6)	20
	White fir (ABCO)	5		
			Sierra chinquapin (CHSE11)	2
			Antelope bitterbrush (PUTR2)	2
			Mountain big sagebrush (ARTRV)	2
			Snowbrush ceanothus (CEVE)	2
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Prostrate ceanothus (CEPR)	1
			Holboell's rockcress (ARHO2)	<1
			Pinemat manzanita (ARNE)	<1
			Silverleaf phacelia (PHHA)	<1
			Spreading groundsmoke (GADI2)	<1
			Wax currant (RICE)	<1
			Western bottlebrush grass (ELEL5)	<1
			White fir (ABCO)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7242:				
Southcamp-------	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10	Greenleaf manzanita (ARPA6)	3
	Incense cedar (CADE27)	6	Prostrate ceanothus (CEPR)	3
			White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1
Genoapeak.				
7401:				
Burnlake--------	Jeffrey pine (PIJE)	20	Currant (RIBES)	5
	White fir (ABCO)	5	Mountain big sagebrush (ARTRV)	5
	Sierra juniper (JUOCA)	5	Misc. perennial forbs (PPFF)	5
			Snowberry (SYMPH)	5
			Antelope bitterbrush (PUTR2)	4
			Needlegrass (ACHNA)	4
			Big squirreltail (SIJU)	2
			Snowbrush ceanothus (CEVE)	2
			Carex (CAREX)	1
Roadcat---------	Lodgepole pine (PICO)	15	Mountain big sagebrush (ARTRV)	5
	Jeffrey pine (PIJE)	4	Currant (RIBES)	3
	White fir (ABCO)	1	Threadleaf sedge (CAFI)	3
	Sierra juniper (JUOCA)	<1	Western needlegrass (ACOCO)	2

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7411:				
Cagwin----------	Jeffrey pine (PIJE)	22	Greenleaf manzanita (ARPA6)	20
	White fir (ABCO)	5	Sierra chinquapin (CHSE11)	2
			Antelope bitterbrush (PUTR2)	2
			Mountain big sagebrush (ARTRV)	2
			Snowbrush ceanothus (CEVE)	2
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Prostrate ceanothus (CEPR)	1
			Holboell's rockcress (ARHO2)	<1
			Pinemat manzanita (ARNE)	<1
			Silverleaf phacelia (PHHA)	<1
			Spreading groundsmoke (GADI2)	<1
			Wax currant (RICE)	<1
			Western bottlebrush grass (ELEL5)	<1
			White fir (ABCO)	<1
Rock outcrop, granitic.				
7412:				
Cagwin----------	Jeffrey pine (PIJE)	22	Greenleaf manzanita (ARPA6)	20
	White fir (ABCO)	5	Sierra chinquapin (CHSE11)	2
			Antelope bitterbrush (PUTR2)	2
			Mountain big sagebrush (ARTRV)	2
			Snowbrush ceanothus (CEVE)	2
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Prostrate ceanothus (CEPR)	1
			Holboell's rockcress (ARHO2)	<1
			Pinemat manzanita (ARNE)	<1
			Silverleaf phacelia (PHHA)	<1
			Spreading groundsmoke (GADI2)	<1
			Wax currant (RICE)	<1
			Western bottlebrush grass (ELEL5)	<1
			White fir (ABCO)	<1
Rock outcrop, granitic.				

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7413:				
Cagwin----------	Jeffrey pine (PIJE)	22	Greenleaf manzanita (ARPA6)	20
	White fir (ABCO)	5	Sierra chinquapin (CHSE11)	2
			Antelope bitterbrush (PUTR2)	2
			Mountain big sagebrush (ARTRV)	2
			Snowbrush ceanothus (CEVE)	2
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Prostrate ceanothus (CEPR)	1
			Holboell's rockcress (ARHO2)	<1
			Pinemat manzanita (ARNE)	<1
			Silverleaf phacelia (PHHA)	<1
			Spreading groundsmoke (GADI2)	<1
			Wax currant (RICE)	<1
			Western bottlebrush grass (ELEL5)	<1
			White fir (ABCO)	<1
Rock outcrop, granitic.				
7414:				
Cagwin----------	Jeffrey pine (PIJE)	22	Greenleaf manzanita (ARPA6)	20
	White fir (ABCO)	5	Sierra chinquapin (CHSE11)	2
			Antelope bitterbrush (PUTR2)	2
			Mountain big sagebrush (ARTRV)	2
			Snowbrush ceanothus (CEVE)	2
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Prostrate ceanothus (CEPR)	1
			Holboell's rockcress (ARHO2)	<1
			Pinemat manzanita (ARNE)	<1
			Silverleaf phacelia (PHHA)	<1
			Spreading groundsmoke (GADI2)	<1
			Wax currant (RICE)	<1
			Western bottlebrush grass (ELEL5)	<1
			White fir (ABCO)	<1
Rock outcrop, granitic.				

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7421:				
Cassenai gravelly loamy coarse sand----	Jeffrey pine (PIJE)	35	Woolly mule-ears (WYMO)	4
	White fir (ABCO)	15	Bottlebrush squirreltail (ELEL5)	2
			Jeffrey pine (PIJE)	1
			Mountain big sagebrush (ARTRV)	1
			Needlegrass (ACHNA)	1
			Roundleaf snowberry (SYRO)	1
			White fir (ABCO)	1
			Sandberg bluegrass (POSE)	<1
			Antelope bitterbrush (PUTR2)	<1
			Arrowleaf balsamroot (BASA3)	<1
			Lambstongue ragwort (SEIN2)	<1
			Milk kelloggia (KEGA)	<1
			Mountain monardella (MOOD)	<1
			Pinemat manzanita (ARNE)	<1
			Silverleaf phacelia (PHHA)	<1
			Spreading groundsmoke (GADI2)	<1
			Wax currant (RICE)	<1
7422:				
Cassenai gravelly loamy coarse sand----	Jeffrey pine (PIJE)	35	Woolly mule-ears (WYMO)	4
	White fir (ABCO)	15	Bottlebrush squirreltail (ELEL5)	2
			Jeffrey pine (PIJE)	1
			Mountain big sagebrush (ARTRV)	1
			Needlegrass (ACHNA)	1
			Roundleaf snowberry (SYRO)	1
			White fir (ABCO)	1
			Sandberg bluegrass (POSE)	<1
			Antelope bitterbrush (PUTR2)	<1
			Arrowleaf balsamroot (BASA3)	<1
			Lambstongue ragwort (SEIN2)	<1
			Milk kelloggia (KEGA)	<1
			Mountain monardella (MOOD)	<1
			Pinemat manzanita (ARNE)	<1
			Silverleaf phacelia (PHHA)	<1
			Spreading groundsmoke (GADI2)	<1
			Wax currant (RICE)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7423:				
Cassenai gravelly loamy coarse sand----	Jeffrey pine (PIJE)	35	Woolly mule-ears (WYMO)	4
	White fir (ABCO)	15	Bottlebrush squirreltail (ELEL5)	2
			Jeffrey pine (PIJE)	1
			Mountain big sagebrush (ARTRV)	1
			Needlegrass (ACHNA)	1
			Roundleaf snowberry (SYRO)	1
			White fir (ABCO)	1
			Sandberg bluegrass (POSE)	<1
			Antelope bitterbrush (PUTR2)	<1
			Arrowleaf balsamroot (BASA3)	<1
			Lambstongue ragwort (SEIN2)	<1
			Milk kelloggia (KEGA)	<1
			Mountain monardella (MOOD)	<1
			Pinemat manzanita (ARNE)	<1
			Silverleaf phacelia (PHHA)	<1
			Spreading groundsmoke (GADI2)	<1
			Wax currant (RICE)	<1
7424:				
Cassenai gravelly loamy coarse sand----	Jeffrey pine (PIJE)	35	Woolly mule-ears (WYMO)	4
	White fir (ABCO)	15	Bottlebrush squirreltail (ELEL5)	2
			Jeffrey pine (PIJE)	1
			Mountain big sagebrush (ARTRV)	1
			Needlegrass (ACHNA)	1
			Roundleaf snowberry (SYRO)	1
			White fir (ABCO)	1
			Sandberg bluegrass (POSE)	<1
			Antelope bitterbrush (PUTR2)	<1
			Arrowleaf balsamroot (BASA3)	<1
			Lambstongue ragwort (SEIN2)	<1
			Milk kelloggia (KEGA)	<1
			Mountain monardella (MOOD)	<1
			Pinemat manzanita (ARNE)	<1
			Silverleaf phacelia (PHHA)	<1
			Spreading groundsmoke (GADI2)	<1
			Wax currant (RICE)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7425:				
Cassenai, moist	California red fir (ABMA)	25	Pinemat manzanita (ARNE)	30
	Western white pine (PIMO3)	15	California red fir (ABMA)	1
	Murray lodgepole pine (PICOM)	2	Mountain monardella (MOOD)	1
			Western bottlebrush grass (ELEL5)	1
			Western white pine (PIMO3)	1
			Pioneer rockcress (ARPL)	<1
			Roundleaf snowberry (SYRO)	<1
			Spreading groundsmoke (GADI2)	<1
7426:				
Cassenai, moist	California red fir (ABMA)	25	Pinemat manzanita (ARNE)	30
	Western white pine (PIMO3)	15	California red fir (ABMA)	1
	Murray lodgepole pine (PICOM)	2	Mountain monardella (MOOD)	1
			Western bottlebrush grass (ELEL5)	1
			Western white pine (PIMO3)	1
			Pioneer rockcress (ARPL)	<1
			Roundleaf snowberry (SYRO)	<1
			Spreading groundsmoke (GADI2)	<1
7427:				
Cassenai, moist	California red fir (ABMA)	25	Pinemat manzanita (ARNE)	30
	Western white pine (PIMO3)	15	California red fir (ABMA)	1
	Murray lodgepole pine (PICOM)	2	Mountain monardella (MOOD)	1
			Western bottlebrush grass (ELEL5)	1
			Western white pine (PIMO3)	1
			Pioneer rockcress (ARPL)	<1
			Roundleaf snowberry (SYRO)	<1
			Spreading groundsmoke (GADI2)	<1
7428:				
Cassenai, moist	California red fir (ABMA)	25	Pinemat manzanita (ARNE)	30
	Western white pine (PIMO3)	15	California red fir (ABMA)	1
	Murray lodgepole pine (PICOM)	2	Mountain monardella (MOOD)	1
			Western bottlebrush grass (ELEL5)	1
			Western white pine (PIMO3)	1
			Pioneer rockcress (ARPL)	<1
			Roundleaf snowberry (SYRO)	<1
			Spreading groundsmoke (GADI2)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7431:				
Celio----------	Murray lodgepole pine (PICOM)	30	Ross' sedge (CARO5)	3
			Murray lodgepole pine (PICOM)	2
	White fir (ABCO)	4		
	Western juniper (JUOC)	2	Bluegrass (POA)	2
	Jeffrey pine (PIJE)	1	Brome (BROMU)	2
			Carex (CAREX)	2
			Gooseberry (RIBES)	2
			Thickstem aster (EUIN9)	2
			Western bottlebrush grass (ELEL5)	2
			Baltic rush (JUBA)	1
			Big sagebrush (ARTR2)	1
			Clover (TRIFO)	1
			Honeysuckle (LONIC)	1
			Western serviceberry (AMUT)	1
			White fir (ABCO)	1
			Whitestem gooseberry (RIINI)	1
			Western juniper (JUOC)	<1
7441:				
Christopher loamy coarse sand----------	Jeffrey pine (PIJE)	65	Greenleaf manzanita (ARPA6)	6
	White fir (ABCO)	5		
	Murray lodgepole pine (PICOM)	2	Prostrate ceanothus (CEPR)	5
	Incense cedar (CADE27)	<1	Whitethorn ceanothus (CECO)	4
			Murray lodgepole pine (PICOM)	3
			Creeping snowberry (SYMO)	1
			Gooseberry (RIBES)	1
			Milk kelloggia (KEGA)	1
			Western needlegrass (ACOC3)	1
			White fir (ABCO)	1
			Holboell's rockcress (ARHO2)	<1
			Lemmon's catchfly (SILE2)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Pinewoods lousewort (PESE2)	<1
			Western bottlebrush grass (ELEL5)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7442: Christopher loamy coarse sand	Jeffrey pine (PIJE)	65	Greenleaf manzanita (ARPA6)	6
	White fir (ABCO)	5	Prostrate ceanothus (CEPR)	5
	Murray lodgepole pine (PICOM)	2	Whitethorn ceanothus (CECO)	4
	Incense cedar (CADE27)	<1	Murray lodgepole pine (PICOM)	3
			Creeping snowberry (SYMO)	1
			Gooseberry (RIBES)	1
			Milk kelloggia (KEGA)	1
			Western needlegrass (ACOC3)	1
			White fir (ABCO)	1
			Holboell's rockcress (ARHO2)	<1
			Lemmon's catchfly (SILE2)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Pinewoods lousewort (PESE2)	<1
			Western bottlebrush grass (ELEL5)	<1
7443: Christopher gravelly loamy coarse sand	Jeffrey pine (PIJE)	65	Greenleaf manzanita (ARPA6)	6
	White fir (ABCO)	5	Prostrate ceanothus (CEPR)	5
	Murray lodgepole pine (PICOM)	2	Whitethorn ceanothus (CECO)	4
	Incense cedar (CADE27)	<1	Murray lodgepole pine (PICOM)	3
			Creeping snowberry (SYMO)	1
			Gooseberry (RIBES)	1
			Milk kelloggia (KEGA)	1
			Western needlegrass (ACOC3)	1
			White fir (ABCO)	1
			Holboell's rockcress (ARHO2)	<1
			Lemmon's catchfly (SILE2)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Pinewoods lousewort (PESE2)	<1
			Western bottlebrush grass (ELEL5)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7444:				
Christopher loamy coarse sand----------	Jeffrey pine (PIJE)	65	Greenleaf manzanita (ARPA6)	6
	White fir (ABCO)	5		
	Murray lodgepole pine (PICOM)	2	Prostrate ceanothus (CEPR)	5
	Incense cedar (CADE27)	<1	Whitethorn ceanothus (CECO)	4
			Murray lodgepole pine (PICOM)	3
			Creeping snowberry (SYMO)	1
			Gooseberry (RIBES)	1
			Milk kelloggia (KEGA)	1
			Western needlegrass (ACOC3)	1
			White fir (ABCO)	1
			Holboell's rockcress (ARHO2)	<1
			Lemmon's catchfly (SILE2)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Pinewoods lousewort (PESE2)	<1
			Western bottlebrush grass (ELEL5)	<1
Gefo gravelly loamy coarse sand----------	Jeffrey pine (PIJE)	65	Greenleaf manzanita (ARPA6)	6
	White fir (ABCO)	5		
	Murray lodgepole pine (PICOM)	2	Prostrate ceanothus (CEPR)	5
	Incense cedar (CADE27)	<1	Whitethorn ceanothus (CECO)	4
			Murray lodgepole pine (PICOM)	3
			Creeping snowberry (SYMO)	1
			Gooseberry (RIBES)	1
			Milk kelloggia (KEGA)	1
			Western needlegrass (ACOC3)	1
			White fir (ABCO)	1
			Holboell's rockcress (ARHO2)	<1
			Lemmon's catchfly (SILE2)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Pinewoods lousewort (PESE2)	<1
			Western bottlebrush grass (ELEL5)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7451: Gefo gravelly loamy coarse sand	Jeffrey pine (PIJE)	65	Greenleaf manzanita (ARPA6)	6
	White fir (ABCO)	5	Prostrate ceanothus (CEPR)	5
	Murray lodgepole pine (PICOM)	2	Whitethorn ceanothus (CECO)	4
	Incense cedar (CADE27)	<1	Murray lodgepole pine (PICOM)	3
			Creeping snowberry (SYMO)	1
			Gooseberry (RIBES)	1
			Milk kelloggia (KEGA)	1
			Western needlegrass (ACOC3)	1
			White fir (ABCO)	1
			Holboell's rockcress (ARHO2)	<1
			Lemmon's catchfly (SILE2)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Pinewoods lousewort (PESE2)	<1
			Western bottlebrush grass (ELEL5)	<1
7452: Gefo gravelly loamy coarse sand	Jeffrey pine (PIJE)	65	Greenleaf manzanita (ARPA6)	6
	White fir (ABCO)	5	Prostrate ceanothus (CEPR)	5
	Murray lodgepole pine (PICOM)	2	Whitethorn ceanothus (CECO)	4
	Incense cedar (CADE27)	<1	Murray lodgepole pine (PICOM)	3
			Creeping snowberry (SYMO)	1
			Gooseberry (RIBES)	1
			Milk kelloggia (KEGA)	1
			Western needlegrass (ACOC3)	1
			White fir (ABCO)	1
			Holboell's rockcress (ARHO2)	<1
			Lemmon's catchfly (SILE2)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Pinewoods lousewort (PESE2)	<1
			Western bottlebrush grass (ELEL5)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7461:				
Jabu----------	Jeffrey pine (PIJE)	65	Greenleaf manzanita (ARPA6)	6
	White fir (ABCO)	5		
	Murray lodgepole pine (PICOM)	2	Prostrate ceanothus (CEPR)	5
	Incense cedar (CADE27)	<1	Whitethorn ceanothus (CECO)	4
			Murray lodgepole pine (PICOM)	3
			Creeping snowberry (SYMO)	1
			Gooseberry (RIBES)	1
			Milk kelloggia (KEGA)	1
			Western needlegrass (ACOC3)	1
			White fir (ABCO)	1
			Holboell's rockcress (ARHO2)	<1
			Lemmon's catchfly (SILE2)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Pinewoods lousewort (PESE2)	<1
			Western bottlebrush grass (ELEL5)	<1
7462:				
Jabu----------	Jeffrey pine (PIJE)	65	Greenleaf manzanita (ARPA6)	6
	White fir (ABCO)	5		
	Murray lodgepole pine (PICOM)	2	Prostrate ceanothus (CEPR)	5
	Incense cedar (CADE27)	<1	Whitethorn ceanothus (CECO)	4
			Murray lodgepole pine (PICOM)	3
			Creeping snowberry (SYMO)	1
			Gooseberry (RIBES)	1
			Milk kelloggia (KEGA)	1
			Western needlegrass (ACOC3)	1
			White fir (ABCO)	1
			Holboell's rockcress (ARHO2)	<1
			Lemmon's catchfly (SILE2)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Pinewoods lousewort (PESE2)	<1
			Western bottlebrush grass (ELEL5)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7471:				
Marla----------	Murray lodgepole pine (PICOM)	45	Bentgrass (AGROS2)	5
			Willow (SALIX)	5
	White fir (ABCO)	7	California brome (BRCA5)	2
	Jeffrey pine (PIJE)	4	Murray lodgepole pine (PICOM)	2
	Incense cedar (CADE27)	1		
			Carex (CAREX)	1
			Gooseberry (RIBES)	1
			White fir (ABCO)	1
			Torrey's blue eyed Mary (COTO)	<1
			Woods' rose (ROWOU)	<1
			False Solomon's seal (MAIAN)	<1
			Groundsel (SENEC)	<1
			Rush (JUNCU)	<1
			Yampah (PERID)	<1
7481:				
Meeks, stony----	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7482:				
Meeks, stony----	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1
7483:				
Meeks, very stony----------	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7484:				
Meeks, extremely bouldery-------	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10		
	Incense cedar (CADE27)	6	Greenleaf manzanita (ARPA6)	3
			Prostrate ceanothus (CEPR)	3
			White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1
7485:				
Meeks, extremely bouldery-------	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10		
	Incense cedar (CADE27)	6	Greenleaf manzanita (ARPA6)	3
			Prostrate ceanothus (CEPR)	3
			White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7486:				
Meeks, extremely bouldery-------	White fir (ABCO)	35	Huckleberry oak (QUVA)	5
	Sugar pine (PILA)	17	Western serviceberry (AMUT)	4
	Jeffrey pine (PIJE)	10		
	Incense cedar (CADE27)	6	Greenleaf manzanita (ARPA6)	3
			Prostrate ceanothus (CEPR)	3
			White fir (ABCO)	3
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Scouler's willow (SASC)	1
			Carex (CAREX)	1
			Incense cedar (CADE27)	1
			Mountain monardella (MOOD)	1
			Sugar pine (PILA)	1
			Dusky onion (ALCA2)	<1
			Whitevein shinleaf (PYPI2)	<1
7487:				
Meeks, rubbly---	Jeffrey pine (PIJE)	22	Greenleaf manzanita (ARPA6)	20
	White fir (ABCO)	5		
			Sierra chinquapin (CHSE11)	2
			Antelope bitterbrush (PUTR2)	2
			Mountain big sagebrush (ARTRV)	2
			Snowbrush ceanothus (CEVE)	2
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Prostrate ceanothus (CEPR)	1
			Holboell's rockcress (ARHO2)	<1
			Pinemat manzanita (ARNE)	<1
			Silverleaf phacelia (PHHA)	<1
			Spreading groundsmoke (GADI2)	<1
			Wax currant (RICE)	<1
			Western bottlebrush grass (ELEL5)	<1
			White fir (ABCO)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7488:				
Meeks, rubbly---	Jeffrey pine (PIJE)	22	Greenleaf manzanita (ARPA6)	20
	White fir (ABCO)	5	Sierra chinquapin (CHSE11)	2
			Antelope bitterbrush (PUTR2)	2
			Mountain big sagebrush (ARTRV)	2
			Snowbrush ceanothus (CEVE)	2
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Prostrate ceanothus (CEPR)	1
			Holboell's rockcress (ARHO2)	<1
			Pinemat manzanita (ARNE)	<1
			Silverleaf phacelia (PHHA)	<1
			Spreading groundsmoke (GADI2)	<1
			Wax currant (RICE)	<1
			Western bottlebrush grass (ELEL5)	<1
			White fir (ABCO)	<1
7489:				
Meeks, rubbly---	Jeffrey pine (PIJE)	22	Greenleaf manzanita (ARPA6)	20
	White fir (ABCO)	5	Sierra chinquapin (CHSE11)	2
			Antelope bitterbrush (PUTR2)	2
			Mountain big sagebrush (ARTRV)	2
			Snowbrush ceanothus (CEVE)	2
			Whitethorn ceanothus (CECO)	2
			Jeffrey pine (PIJE)	1
			Prostrate ceanothus (CEPR)	1
			Holboell's rockcress (ARHO2)	<1
			Pinemat manzanita (ARNE)	<1
			Silverleaf phacelia (PHHA)	<1
			Spreading groundsmoke (GADI2)	<1
			Wax currant (RICE)	<1
			Western bottlebrush grass (ELEL5)	<1
			White fir (ABCO)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7491:				
Oneidas---------	Murray lodgepole pine (PICOM)	35	Ross' sedge (CARO5)	5
			Murray lodgepole pine (PICOM)	3
	Jeffrey pine (PIJE)	6		
	White fir (ABCO)	4	Wax currant (RICE)	2
			Whitethorn ceanothus (CECO)	2
			Western bottlebrush grass (ELEL5)	1
			White fir (ABCO)	1
			Jeffrey pine (PIJE)	<1
			Carex (CAREX)	<1
			Spreading groundsmoke (GADI2)	<1
7492:				
Oneidas---------	Murray lodgepole pine (PICOM)	35	Ross' sedge (CARO5)	5
			Murray lodgepole pine (PICOM)	3
	Jeffrey pine (PIJE)	6		
	White fir (ABCO)	4	Wax currant (RICE)	2
			Whitethorn ceanothus (CECO)	2
			Western bottlebrush grass (ELEL5)	1
			White fir (ABCO)	1
			Jeffrey pine (PIJE)	<1
			Carex (CAREX)	<1
			Spreading groundsmoke (GADI2)	<1
7511:				
Shalgran---------	Jeffrey pine (PIJE)	30	Pinemat manzanita (ARNE)	15
	California red fir (ABMA)	1	Sierra chinkapin (CHSE11)	10
	Whitebark pine (PIAL)	1	Snowbrush ceanothus (CEVE)	10
	Sierra juniper (JUOCA)	<1		
			Misc. perennial forbs (PPFF)	7
			Snowberry (SYMPH)	5
			Big squirreltail (SIJU)	3
			Needlegrass (ACHNA)	2
Rock outcrop.				

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7521:				
Tallac, very stony----------	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1
7522:				
Tallac, very stony----------	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7523:				
Tallac, very stony----------	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1
7524:				
Tallac, moderately well drained--------	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7525:				
Tallac, moderately well drained	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1
7526:				
Tallac, rubbly	White fir (ABCO)	65	White fir (ABCO)	5
	Jeffrey pine (PIJE)	25	Jeffrey pine (PIJE)	3
	California red fir (ABMA)	2	Antelope bitterbrush (PUTR2)	3
	Incense cedar (CADE27)	2		
	Sugar pine (PILA)	2	Western needlegrass (ACOC3)	3
	Quaking aspen (POTR5)	<1		
			Carex (CAREX)	2
			Whitethorn ceanothus (CECO)	2
			Woolly mule-ears (WYMO)	2
			Creeping snowberry (SYMO)	1
			Brewer's fleabane (ERBR4)	<1
			Brown's peony (PABR)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Milk kelloggia (KEGA)	<1
			Pinewoods lousewort (PESE2)	<1
			Sanddune wallflower (ERCAP)	<1
			Wild pea (LATHY)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
7541:				
Ubaj----------	Jeffrey pine (PIJE)	65	Greenleaf manzanita (ARPA6)	6
	White fir (ABCO)	5		
	Murray lodgepole pine (PICOM)	2	Prostrate ceanothus (CEPR)	5
	Incense cedar (CADE27)	<1	Whitethorn ceanothus (CECO)	4
			Murray lodgepole pine (PICOM)	3
			Creeping snowberry (SYMO)	1
			Gooseberry (RIBES)	1
			Milk kelloggia (KEGA)	1
			Western needlegrass (ACOC3)	1
			White fir (ABCO)	1
			Holboell's rockcress (ARHO2)	<1
			Lemmon's catchfly (SILE2)	<1
			Lambstongue ragwort (SEIN2)	<1
			Lettuce wirelettuce (STLA)	<1
			Pinewoods lousewort (PESE2)	<1
			Western bottlebrush grass (ELEL5)	<1
9011:				
Oxyaquic Cryorthents----	Quaking aspen (POTR5)	75	California false hellebore (VECAC2)	10
	White fir (ABCO)	2		
	Murray lodgepole pine (PICOM)	1	Blue wildrye (ELGL)	10
			Quaking aspen (POTR5)	5
			Fendler's meadow-rue (THFE)	1
			Gray's licorice-root (LIGR)	1
			Oregon checkerbloom (SIORS)	1
			Arrowleaf ragwort (SETR)	1
			Slender cinquefoil (POGRF2)	1
			Sweetcicely (OSBE)	1
			Western buttercup (RAOC)	1
			Giant red Indian paintbrush (CAMI12)	<1
			Thickstem aster (EUIN9)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
9011:				
Aquic Xerorthents----	Quaking aspen (POTR5)	75	California false hellebore (VECAC2)	10
	White fir (ABCO)	2	Blue wildrye (ELGL)	10
	Murray lodgepole pine (PICOM)	1	Quaking aspen (POTR5)	5
			Fendler's meadow-rue (THFE)	1
			Gray's licorice-root (LIGR)	1
			Oregon checkerbloom (SIORS)	1
			Arrowleaf ragwort (SETR)	1
			Slender cinquefoil (POGRF2)	1
			Sweetcicely (OSBE)	1
			Western buttercup (RAOC)	1
			Giant red Indian paintbrush (CAMI12)	<1
			Thickstem aster (EUIN9)	<1
Tahoe, gravelly.				
9101:				
Callat----------	Murray lodgepole pine (PICOM)	30	Greenleaf fescue (FEVI)	10
	Greenleaf fescue (FEVI)	10	Longspur lupine (LUAR6)	6
	California red fir (ABMA)	5	Silvery lupine (LUAR3)	3
	Western white pine (PIMO3)	5	Western bottlebrush grass (ELEL5)	3
	White fir (ABCO)	1	Murray lodgepole pine (PICOM)	2
			Mountain big sagebrush (ARTRV)	2
			Needlegrass (ACHNA)	2
			California red fir (ABMA)	1
			Ross' sedge (CARO5)	1
			Aster (ASTER)	1
			Carex (CAREX)	1
			Lupine (LUPIN)	1
			Western white pine (PIMO3)	1
			Torrey's blue eyed Mary (COTO)	<1
			Dusky onion (ALCA2)	<1
			Frosted buckwheat (ERIN9)	<1
			Lambstongue ragwort (SEIN2)	<1
			Marumleaf buckwheat (ERMA4)	<1
			Mountain monardella (MOOD)	<1
			Pinewoods lousewort (PESE2)	<1
			Pioneer rockcress (ARPL)	<1
			Spreading phlox (PHDI3)	<1
			White fir (ABCO)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
9102:				
Callat----------	Murray lodgepole pine (PICOM)	30	Greenleaf fescue (FEVI)	10
	Greenleaf fescue (FEVI)	10	Longspur lupine (LUAR6)	6
	California red fir (ABMA)	5	Silvery lupine (LUAR3)	3
	Western white pine (PIMO3)	5	Western bottlebrush grass (ELEL5)	3
	White fir (ABCO)	1	Murray lodgepole pine (PICOM)	2
			Mountain big sagebrush (ARTRV)	2
			Needlegrass (ACHNA)	2
			California red fir (ABMA)	1
			Ross' sedge (CARO5)	1
			Aster (ASTER)	1
			Carex (CAREX)	1
			Lupine (LUPIN)	1
			Western white pine (PIMO3)	1
			Torrey's blue eyed Mary (COTO)	<1
			Dusky onion (ALCA2)	<1
			Frosted buckwheat (ERIN9)	<1
			Lambstongue ragwort (SEIN2)	<1
			Marumleaf buckwheat (ERMA4)	<1
			Mountain monardella (MOOD)	<1
			Pinewoods lousewort (PESE2)	<1
			Pioneer rockcress (ARPL)	<1
			Spreading phlox (PHDI3)	<1
			White fir (ABCO)	<1
9111:				
Florand---------	California red fir (ABMA)	25	Currant (RIBES)	10
	Lodgepole pine (PICO)	10	Mountain big sagebrush (ARTRV)	10
	Western white pine (PIMO3)	1	Snowberry (SYMPH)	10
	Sierra juniper (JUOCA)	<1	Lupine (LUPIN)	5
	Limber pine (PIFL2)	<1	Mountain brome (BRMA4)	5
			Western needlegrass (ACOCO)	5
			Wild mint (MEAR4)	5
			Ross' sedge (CARO5)	2
Lostridge-------	Lodgepole pine (PICO)	20	Misc. perennial forbs (PPFF)	20
	California red fir (ABMA)	10	Mountain big sagebrush (ARTRV)	15
	Western white pine (PIMO3)	1	Letterman needlegrass (ACLE9)	10
	Limber pine (PIFL2)	<1	Ross' sedge (CARO5)	10
			Mountain brome (BRMA4)	10
			Western needlegrass (ACOCO)	10
			Currant (RIBES)	5
			Misc. perennial grasses (PPGG)	5
			Misc. trees (TTTT)	5
			Snowberry (SYMPH)	5

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
9111:				
Fishsnooze------	Mountain hemlock (TSME)	35	Sierran gooseberry (RIRO)	3
	Western white pine (PIMO3)	5	Currant (RIBES)	3
			Ross' sedge (CARO5)	1
	Lodgepole pine (PICO)	4		
	California red fir (ABMA)	3		
9121:				
Watsonlake------	California red fir (ABMA)	30	Snowbrush ceanothus (CEVE)	8
	White fir (ABCO)	20		
			Sierra chinquapin (CHSE11)	5
			California red fir (ABMA)	3
			Greenleaf manzanita (ARPA6)	3
			Pinemat manzanita (ARNE)	3
			White fir (ABCO)	3
			Bottlebrush squirreltail (ELEL5)	1
			Needlegrass (ACHNA)	<1
9122:				
Watsonlake------	California red fir (ABMA)	30	Snowbrush ceanothus (CEVE)	8
	White fir (ABCO)	20		
			Sierra chinquapin (CHSE11)	5
			California red fir (ABMA)	3
			Greenleaf manzanita (ARPA6)	3
			Pinemat manzanita (ARNE)	3
			White fir (ABCO)	3
			Bottlebrush squirreltail (ELEL5)	1
			Needlegrass (ACHNA)	<1
9123:				
Watsonlake------	California red fir (ABMA)	30	Snowbrush ceanothus (CEVE)	8
	White fir (ABCO)	20		
			Sierra chinquapin (CHSE11)	5
			California red fir (ABMA)	3
			Greenleaf manzanita (ARPA6)	3
			Pinemat manzanita (ARNE)	3
			White fir (ABCO)	3
			Bottlebrush squirreltail (ELEL5)	1
			Needlegrass (ACHNA)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
9151:				
Shakespeare-----	California red fir (ABMA)	20	Roundleaf snowberry (SYRO)	5
	Jeffrey pine (PIJE)	20		
	White fir (ABCO)	2	Silvery lupine (LUAR3)	3
	Murray lodgepole pine (PICOM)	1	Wax currant (RICE)	3
			California red fir (ABMA)	2
	Western white pine (PIMO3)	1	Mountain monardella (MOOD)	2
			Pinemat manzanita (ARNE)	2
			Jeffrey pine (PIJE)	1
			Ross' sedge (CARO5)	1
			Mountain big sagebrush (ARTRV)	1
			Wavyleaf Indian paintbrush (CAAP4)	1
			Western bottlebrush grass (ELEL5)	1
			Sierra pea (LANE3)	<1
			Sierra stickseed (HANE)	<1
			Bluegrass (POA)	<1
			Western white pine (PIMO3)	<1
			White fir (ABCO)	<1
9152:				
Shakespeare-----	California red fir (ABMA)	20	Roundleaf snowberry (SYRO)	5
	Jeffrey pine (PIJE)	20		
	White fir (ABCO)	2	Silvery lupine (LUAR3)	3
	Murray lodgepole pine (PICOM)	1	Wax currant (RICE)	3
			California red fir (ABMA)	2
	Western white pine (PIMO3)	1	Mountain monardella (MOOD)	2
			Pinemat manzanita (ARNE)	2
			Jeffrey pine (PIJE)	1
			Ross' sedge (CARO5)	1
			Mountain big sagebrush (ARTRV)	1
			Wavyleaf Indian paintbrush (CAAP4)	1
			Western bottlebrush grass (ELEL5)	1
			Sierra pea (LANE3)	<1
			Sierra stickseed (HANE)	<1
			Bluegrass (POA)	<1
			Western white pine (PIMO3)	<1
			White fir (ABCO)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
9161:				
Sky	California red fir (ABMA)	20	Brewer's aster (EUBR12)	2
	Murray lodgepole pine (PICOM)	20	Lupine (LUPIN)	2
	Mountain hemlock (TSME)	20	Mountain hemlock (TSME)	2
	Western white pine (PIMO3)	5	Western needlegrass (ACOC3)	2
			Brewer's lupine (LUBR3)	1
			California red fir (ABMA)	1
			Murray lodgepole pine (PICOM)	1
			Aster (ASTER)	1
			Bluegrass (POA)	1
			Carex (CAREX)	1
			Ross' sedge (CARO5)	<1
			Lambstongue ragwort (SEIN2)	<1
			Mountain pride (PENE3)	<1
			Pinewoods lousewort (PESE2)	<1
			Pioneer rockcress (ARPL)	<1
			Western white pine (PIMO3)	<1
			Whitevein shinleaf (PYPI2)	<1
9162:				
Sky	California red fir (ABMA)	20	Brewer's aster (EUBR12)	2
	Murray lodgepole pine (PICOM)	20	Lupine (LUPIN)	2
	Mountain hemlock (TSME)	20	Mountain hemlock (TSME)	2
	Western white pine (PIMO3)	5	Western needlegrass (ACOC3)	2
			Brewer's lupine (LUBR3)	1
			California red fir (ABMA)	1
			Murray lodgepole pine (PICOM)	1
			Aster (ASTER)	1
			Bluegrass (POA)	1
			Carex (CAREX)	1
			Ross' sedge (CARO5)	<1
			Lambstongue ragwort (SEIN2)	<1
			Mountain pride (PENE3)	<1
			Pinewoods lousewort (PESE2)	<1
			Pioneer rockcress (ARPL)	<1
			Western white pine (PIMO3)	<1
			Whitevein shinleaf (PYPI2)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
9163:				
Sky----------	California red fir (ABMA)	20	Brewer's aster (EUBR12)	2
	Murray lodgepole pine (PICOM)	20	Lupine (LUPIN)	2
	Mountain hemlock (TSME)	20	Mountain hemlock (TSME)	2
	Western white pine (PIMO3)	5	Western needlegrass (ACOC3)	2
			Brewer's lupine (LUBR3)	1
			California red fir (ABMA)	1
			Murray lodgepole pine (PICOM)	1
			Aster (ASTER)	1
			Bluegrass (POA)	1
			Carex (CAREX)	1
			Ross' sedge (CARO5)	<1
			Lambstongue ragwort (SEIN2)	<1
			Mountain pride (PENE3)	<1
			Pinewoods lousewort (PESE2)	<1
			Pioneer rockcress (ARPL)	<1
			Western white pine (PIMO3)	<1
			Whitevein shinleaf (PYPI2)	<1
9164:				
Sky----------	California red fir (ABMA)	20	Brewer's aster (EUBR12)	2
	Murray lodgepole pine (PICOM)	20	Lupine (LUPIN)	2
	Mountain hemlock (TSME)	20	Mountain hemlock (TSME)	2
	Western white pine (PIMO3)	5	Western needlegrass (ACOC3)	2
			Brewer's lupine (LUBR3)	1
			California red fir (ABMA)	1
			Murray lodgepole pine (PICOM)	1
			Aster (ASTER)	1
			Bluegrass (POA)	1
			Carex (CAREX)	1
			Ross' sedge (CARO5)	<1
			Lambstongue ragwort (SEIN2)	<1
			Mountain pride (PENE3)	<1
			Pinewoods lousewort (PESE2)	<1
			Pioneer rockcress (ARPL)	<1
			Western white pine (PIMO3)	<1
			Whitevein shinleaf (PYPI2)	<1
Melody.				

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
9165:				
Sky	California red fir (ABMA)	20	Brewer's aster (EUBR12)	2
	Murray lodgepole pine (PICOM)	20	Lupine (LUPIN)	2
	Mountain hemlock (TSME)	20	Mountain hemlock (TSME)	2
	Western white pine (PIMO3)	5	Western needlegrass (ACOC3)	2
			Brewer's lupine (LUBR3)	1
			California red fir (ABMA)	1
			Murray lodgepole pine (PICOM)	1
			Aster (ASTER)	1
			Bluegrass (POA)	1
			Carex (CAREX)	1
			Ross' sedge (CARO5)	<1
			Lambstongue ragwort (SEIN2)	<1
			Mountain pride (PENE3)	<1
			Pinewoods lousewort (PESE2)	<1
			Pioneer rockcress (ARPL)	<1
			Western white pine (PIMO3)	<1
			Whitevein shinleaf (PYPI2)	<1
Melody.				
9166:				
Sky	California red fir (ABMA)	20	Brewer's aster (EUBR12)	2
	Murray lodgepole pine (PICOM)	20	Lupine (LUPIN)	2
	Mountain hemlock (TSME)	20	Mountain hemlock (TSME)	2
	Western white pine (PIMO3)	5	Western needlegrass (ACOC3)	2
			Brewer's lupine (LUBR3)	1
			California red fir (ABMA)	1
			Murray lodgepole pine (PICOM)	1
			Aster (ASTER)	1
			Bluegrass (POA)	1
			Carex (CAREX)	1
			Ross' sedge (CARO5)	<1
			Lambstongue ragwort (SEIN2)	<1
			Mountain pride (PENE3)	<1
			Pinewoods lousewort (PESE2)	<1
			Pioneer rockcress (ARPL)	<1
			Western white pine (PIMO3)	<1
			Whitevein shinleaf (PYPI2)	<1
Melody.				

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
9401:				
Dagget very gravelly loamy coarse sand----	California red fir (ABMA)	25	Pinemat manzanita (ARNE)	30
	Western white pine (PIMO3)	15	California red fir (ABMA)	1
	Murray lodgepole pine (PICOM)	2	Mountain monardella (MOOD)	1
			Western bottlebrush grass (ELEL5)	1
			Western white pine (PIMO3)	1
			Pioneer rockcress (ARPL)	<1
			Roundleaf snowberry (SYRO)	<1
			Spreading groundsmoke (GADI2)	<1
9402:				
Dagget very gravelly loamy coarse sand----	California red fir (ABMA)	25	Pinemat manzanita (ARNE)	30
	Western white pine (PIMO3)	15	California red fir (ABMA)	1
	Murray lodgepole pine (PICOM)	2	Mountain monardella (MOOD)	1
			Western bottlebrush grass (ELEL5)	1
			Western white pine (PIMO3)	1
			Pioneer rockcress (ARPL)	<1
			Roundleaf snowberry (SYRO)	<1
			Spreading groundsmoke (GADI2)	<1
9403:				
Dagget very gravelly loamy coarse sand----	California red fir (ABMA)	25	Pinemat manzanita (ARNE)	30
	Western white pine (PIMO3)	15	California red fir (ABMA)	1
	Murray lodgepole pine (PICOM)	2	Mountain monardella (MOOD)	1
			Western bottlebrush grass (ELEL5)	1
			Western white pine (PIMO3)	1
			Pioneer rockcress (ARPL)	<1
			Roundleaf snowberry (SYRO)	<1
			Spreading groundsmoke (GADI2)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
9404:				
Dagget, moist---	Mountain hemlock (TSME)	27	Purple mountainheath (PHBR4)	10
	Murray lodgepole pine (PICOM)	18	Western mountain aster (SYSPS)	4
	California red fir (ABMA)	15	Pinemat manzanita (ARNE)	3
	Western white pine (PIMO3)	4	California false hellebore (VECAC2)	2
			Scouler's willow (SASC)	2
			Mountain hemlock (TSME)	2
			California red fir (ABMA)	1
			Parry's rush (JUPA)	1
			Lodgepole pine (PICO)	1
			Rose meadowsweet (SPSPS)	1
			Western Labrador tea (LEGL)	1
			Western white pine (PIMO3)	1
9405:				
Dagget, moist---	Mountain hemlock (TSME)	27	Purple mountainheath (PHBR4)	10
	Murray lodgepole pine (PICOM)	18	Western mountain aster (SYSPS)	4
	California red fir (ABMA)	15	Pinemat manzanita (ARNE)	3
	Western white pine (PIMO3)	4	California false hellebore (VECAC2)	2
			Scouler's willow (SASC)	2
			Mountain hemlock (TSME)	2
			California red fir (ABMA)	1
			Parry's rush (JUPA)	1
			Lodgepole pine (PICO)	1
			Rose meadowsweet (SPSPS)	1
			Western Labrador tea (LEGL)	1
			Western white pine (PIMO3)	1
9406:				
Dagget, moist---	Mountain hemlock (TSME)	27	Purple mountainheath (PHBR4)	10
	Murray lodgepole pine (PICOM)	18	Western mountain aster (SYSPS)	4
	California red fir (ABMA)	15	Pinemat manzanita (ARNE)	3
	Western white pine (PIMO3)	4	California false hellebore (VECAC2)	2
			Scouler's willow (SASC)	2
			Mountain hemlock (TSME)	2
			California red fir (ABMA)	1
			Parry's rush (JUPA)	1
			Lodgepole pine (PICO)	1
			Rose meadowsweet (SPSPS)	1
			Western Labrador tea (LEGL)	1
			Western white pine (PIMO3)	1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
9407:				
Dagget, moist---	Mountain hemlock (TSME)	27	Purple mountainheath (PHBR4)	10
	Murray lodgepole pine (PICOM)	18	Western mountain aster (SYSPS)	4
	California red fir (ABMA)	15	Pinemat manzanita (ARNE)	3
	Western white pine (PIMO3)	4	California false hellebore (VECAC2)	2
			Scouler's willow (SASC)	2
			Mountain hemlock (TSME)	2
			California red fir (ABMA)	1
			Parry's rush (JUPA)	1
			Lodgepole pine (PICO)	1
			Rose meadowsweet (SPSPS)	1
			Western Labrador tea (LEGL)	1
			Western white pine (PIMO3)	1
9421:				
Jobsis----------	Whitebark pine (PIAL)	25	Misc. perennial forbs (PPFF)	5
	Lodgepole pine (PICO)	6	Ross' sedge (CARO5)	2
			Lupine (LUPIN)	2
			Needlegrass (ACHNA)	2
			Bluegrass (POA)	1
			Mountain brome (BRMA4)	1
Whittell--------	Whitebark pine (PIAL)	35	Whitebark pine (PIAL)	40
	Lodgepole pine (PICO)	10	Lodgepole pine (PICO)	10
	Mountain hemlock (TSME)	10	Mountain hemlock (TSME)	10
	Western white pine (PIMO3)	1	Bottlebrush squirreltail (ELEL5)	2
			Carex (CAREX)	2
			Marumleaf buckwheat (ERMA4)	2
			Lake Tahoe draba (DRASA2)	1
			Mt. Hood pussypaws (CIUMU)	1
			Shasta knotweed (POSH)	1
			Pioneer rockcress (ARPL)	1
			Spreading phlox (PHDI3)	1
Rock outcrop.				
9431:				
Sofgran---------	Lodgepole pine (PICO)	25	Pinemat manzanita (ARNE)	25
	California red fir (ABMA)	5	Misc. perennial forbs (PPFF)	20
	Mountain hemlock (TSME)	2	Ross' sedge (CARO5)	15
			Bluegrass (POA)	10
			Misc. trees (TTTT)	10
			Western needlegrass (ACOCO)	10
			Misc. shrubs (SSSS)	5

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
9431:				
Klauspeak-------	California red fir (ABMA)	25	Currant (RIBES)	10
	Lodgepole pine (PICO)	10	Mountain big sagebrush (ARTRV)	10
	Western white pine (PIMO3)	1	Snowberry (SYMPH)	10
	Sierra juniper (JUOCA)	<1	Lupine (LUPIN)	5
	Limber pine (PIFL2)	<1	Mountain brome (BRMA4)	5
			Western needlegrass (ACOCO)	5
			Wild mint (MEAR4)	5
			Ross' sedge (CARO5)	2
Temo------------	Lodgepole pine (PICO)	10	Misc. perennial forbs (PPFF)	5
	California red fir (ABMA)	7	Mountain big sagebrush (ARTRV)	3
	Jeffrey pine (PIJE)	1	Western needlegrass (ACOCO)	2
	Sierra juniper (JUOCA)	1	Ross' sedge (CARO5)	1
	Western white pine (PIMO3)	1	Wild mint (MEAR4)	1
9441:				
Temo------------	Lodgepole pine (PICO)	20	Misc. perennial forbs (PPFF)	5
	California red fir (ABMA)	15	Mountain big sagebrush (ARTRV)	3
	Mountain big sagebrush (ARTRV)	2	Western needlegrass (ACOCO)	2
	Ross' sedge (CARO5)	1	Ross' sedge (CARO5)	1
	Western needlegrass (ACOCO)	1	Wild mint (MEAR4)	1
Witefels--------	California red fir (ABMA)	25	Pinemat manzanita (ARNE)	30
	Western white pine (PIMO3)	15	California red fir (ABMA)	1
	Murray lodgepole pine (PICOM)	2	Mountain monardella (MOOD)	1
			Western bottlebrush grass (ELEL5)	1
			Western white pine (PIMO3)	1
			Pioneer rockcress (ARPL)	<1
			Roundleaf snowberry (SYRO)	<1
			Spreading groundsmoke (GADI2)	<1
9442:				
Temo------------	Lodgepole pine (PICO)	20	Misc. perennial forbs (PPFF)	5
	California red fir (ABMA)	15	Mountain big sagebrush (ARTRV)	3
	Mountain big sagebrush (ARTRV)	2	Western needlegrass (ACOCO)	2
	Ross' sedge (CARO5)	1	Ross' sedge (CARO5)	1
	Western needlegrass (ACOCO)	1	Wild mint (MEAR4)	1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
9442:				
Witefels--------	California red fir (ABMA)	25	Pinemat manzanita (ARNE)	30
	Western white pine (PIMO3)	15	California red fir (ABMA)	1
	Murray lodgepole pine (PICOM)	2	Mountain monardella (MOOD)	1
			Western bottlebrush grass (ELEL5)	1
			Western white pine (PIMO3)	1
			Pioneer rockcress (ARPL)	<1
			Roundleaf snowberry (SYRO)	<1
			Spreading groundsmoke (GADI2)	<1
9443:				
Temo----------	Lodgepole pine (PICO)	20	Misc. perennial forbs (PPFF)	5
	California red fir (ABMA)	15		
	Mountain big sagebrush (ARTRV)	2	Mountain big sagebrush (ARTRV)	3
	Ross' sedge (CARO5)	1	Western needlegrass (ACOCO)	2
	Western needlegrass (ACOCO)	1	Ross' sedge (CARO5)	1
			Wild mint (MEAR4)	1
Witefels--------	California red fir (ABMA)	25	Pinemat manzanita (ARNE)	30
	Western white pine (PIMO3)	15	California red fir (ABMA)	1
	Murray lodgepole pine (PICOM)	2	Mountain monardella (MOOD)	1
			Western bottlebrush grass (ELEL5)	1
			Western white pine (PIMO3)	1
			Pioneer rockcress (ARPL)	<1
			Roundleaf snowberry (SYRO)	<1
			Spreading groundsmoke (GADI2)	<1
9444:				
Temo----------	Lodgepole pine (PICO)	20	Misc. perennial forbs (PPFF)	5
	California red fir (ABMA)	15		
	Mountain big sagebrush (ARTRV)	2	Mountain big sagebrush (ARTRV)	3
	Ross' sedge (CARO5)	1	Western needlegrass (ACOCO)	2
	Western needlegrass (ACOCO)	1	Ross' sedge (CARO5)	1
			Wild mint (MEAR4)	1
Witefels--------	California red fir (ABMA)	25	Pinemat manzanita (ARNE)	30
	Western white pine (PIMO3)	15	California red fir (ABMA)	1
	Murray lodgepole pine (PICOM)	2	Mountain monardella (MOOD)	1
			Western bottlebrush grass (ELEL5)	1
			Western white pine (PIMO3)	1
			Pioneer rockcress (ARPL)	<1
			Roundleaf snowberry (SYRO)	<1
			Spreading groundsmoke (GADI2)	<1

Table 6.--Forest Overstory and Understory Cover--Continued

Map symbol and component name	Overstory vegetation >15 ft. in height	Percent cover by species	Understory vegetation <15 ft. in height	Percent cover by species
9461:				
Whittell--------	Whitebark pine (PIAL)	35	Whitebark pine (PIAL)	40
	Lodgepole pine (PICO)	10	Lodgepole pine (PICO)	10
	Mountain hemlock (TSME)	10	Mountain hemlock (TSME)	10
	Western white pine (PIMO3)	1	Bottlebrush squirreltail (ELEL5)	2
			Carex (CAREX)	2
			Marumleaf buckwheat (ERMA4)	2
			Lake Tahoe draba (DRASA2)	1
			Mt. Hood pussypaws (CIUMU)	1
			Shasta knotweed (POSH)	1
			Pioneer rockcress (ARPL)	1
			Spreading phlox (PHDI3)	1
Jobsis----------	Whitebark pine (PIAL)	25	Misc. perennial forbs (PPFF)	5
	Lodgepole pine (PICO)	6	Ross' sedge (CARO5)	2
			Lupine (LUPIN)	2
			Needlegrass (ACHNA)	2
			Bluegrass (POA)	1
			Mountain brome (BRMA4)	1
Rock outcrop.				

Table 7.--Forest Productivity

(Only the map units that are commonly used for forest production are listed)

Map symbol and component name	Potential productivity					Forest trees
	Common trees	Site index avg.	Site index base	Site index base age	Volume of wood fiber (CMAI)	CMAI age	
		Ft		Yrs	cu ft/ac/yr	Yrs	
7101:							
Caverock	Jeffrey pine (PIJE)	80	600	100	62	50	California red fir, Jeffrey pine, white fir
7111:							
Deerhill	Jeffrey pine (PIJE)	77	600	100	64	50	Jeffrey pine, white fir
	White fir (ABCO)	41	030	50	67	70	
7112:							
Deerhill	Jeffrey pine (PIJE)	77	600	100	64	50	Jeffrey pine, white fir
	White fir (ABCO)	41	030	50	67	70	
7131:							
Ellispeak.							
Waca	California red fir (ABMA)	30	050	50	104	140	California red fir, Jeffrey pine, sugar pine, white fir
	Jeffrey pine (PIJE)	90	600	100	85	40	
	White fir (ABCO)	50	030	50	91	70	
7132:							
Ellispeak.							
Waca	California red fir (ABMA)	30	050	50	104	140	California red fir, Jeffrey pine, sugar pine, white fir
	Jeffrey pine (PIJE)	90	600	100	85	40	
	White fir (ABCO)	50	030	50	91	70	
7133:							
Ellispeak.							
Waca	California red fir (ABMA)	30	050	50	104	140	California red fir, Jeffrey pine, sugar pine, white fir
	Jeffrey pine (PIJE)	90	600	100	85	40	
	White fir (ABCO)	50	030	50	91	70	
7141:							
Inville	Jeffrey pine (PIJE)	90	600	100	85	40	Jeffrey pine, incense cedar, white fir
	White fir (ABCO)	30	030	50	51	70	

Table 7.--Forest Productivity--Continued

Map symbol and component name	Potential productivity					Forest trees
	Common trees	Site index avg.	Site index base	Site index base age	Volume of wood fiber (CMAI)	CMAI age	
		Ft		Yrs	cu ft/ac/yr	Yrs	
7142:							
Inville	Jeffrey pine (PIJE)	90	600	100	85	40	Jeffrey pine, incense cedar, white fir
	White fir (ABCO)	30	030	50	51	70	
7143:							
Inville	Jeffrey pine (PIJE)	90	600	100	85	40	Jeffrey pine, incense cedar, white fir
	White fir (ABCO)	30	030	50	51	70	
7151:							
Jorge very cobbly fine sandy loam	Incense cedar (CADE27)	25	300	50	---	---	Jeffrey pine, Sierra lodgepole pine, incense cedar, sugar pine, white fir
	Jeffrey pine (PIJE)	92	600	100	88	40	
	Sugar pine (PILA)	110	605	300	---	---	
	White fir (ABCO)	55	030	50	109	70	
7152:							
Jorge very cobbly fine sandy loam	Incense cedar (CADE27)	25	300	50	---	---	Jeffrey pine, Sierra lodgepole pine, incense cedar, sugar pine, white fir
	Jeffrey pine (PIJE)	92	600	100	88	40	
	Sugar pine (PILA)	110	605	300	---	---	
	White fir (ABCO)	55	030	50	109	70	
7153:							
Jorge very cobbly fine sandy loam	Incense cedar (CADE27)	25	300	50	---	---	Jeffrey pine, Sierra lodgepole pine, incense cedar, sugar pine, white fir
	Jeffrey pine (PIJE)	92	600	100	88	40	
	Sugar pine (PILA)	110	605	300	---	---	
	White fir (ABCO)	55	030	50	109	70	
7154:							
Jorge very cobbly loam	Incense cedar (CADE27)	25	300	50	---	---	Jeffrey pine, Sierra lodgepole pine, incense cedar, sugar pine, white fir
	Jeffrey pine (PIJE)	92	600	100	88	40	
	Sugar pine (PILA)	110	605	300	---	---	
	White fir (ABCO)	55	030	50	109	70	
7155:							
Jorge very cobbly loam	Incense cedar (CADE27)	25	300	50	---	---	Jeffrey pine, Sierra lodgepole pine, incense cedar, sugar pine, white fir
	Jeffrey pine (PIJE)	92	600	100	88	40	
	Sugar pine (PILA)	110	605	300	---	---	
	White fir (ABCO)	55	030	50	109	70	

Table 7.--Forest Productivity--Continued

Map symbol and component name	Potential productivity						Forest trees
	Common trees	Site index avg.	Site index base	Site index base age	Volume of wood fiber (CMAI)	CMAI age	
		Ft		Yrs	cu ft/ac/yr	Yrs	
7156:							
Jorge very gravelly sandy loam	Incense cedar (CADE27)	25	300	50	---	---	Jeffrey pine, Sierra lodgepole pine, incense cedar, sugar pine, white fir
	Jeffrey pine (PIJE)	92	600	100	88	40	
	Sugar pine (PILA)	110	605	300	---	---	
	White fir (ABCO)	55	030	50	109	70	
Tahoma	Incense cedar (CADE27)	25	300	50	---	---	Jeffrey pine, incense cedar, sugar pine, white fir
	Jeffrey pine (PIJE)	92	600	100	88	40	
	Sugar pine (PILA)	110	605	300	---	---	
	White fir (ABCO)	55	030	50	109	70	
7157:							
Jorge very gravelly sandy loam	Incense cedar (CADE27)	25	300	50	---	---	Jeffrey pine, Sierra lodgepole pine, incense cedar, sugar pine, white fir
	Jeffrey pine (PIJE)	92	600	100	88	40	
	Sugar pine (PILA)	110	605	300	---	---	
	White fir (ABCO)	55	030	50	109	70	
Tahoma	Incense cedar (CADE27)	25	300	50	---	---	Jeffrey pine, incense cedar, sugar pine, white fir
	Jeffrey pine (PIJE)	92	600	100	88	40	
	Sugar pine (PILA)	110	605	300	---	---	
	White fir (ABCO)	55	030	50	109	70	
7161:							
Kingsbeach	Incense cedar (CADE27)	25	300	50	---	---	California red fir, Sierra lodgepole pine, incense cedar, sugar pine, white fir
	Jeffrey pine (PIJE)	92	600	100	88	40	
	Sugar pine (PILA)	110	605	300	---	---	
	White fir (ABCO)	55	030	50	109	70	
7171:							
Kneeridge, extremely stony	California red fir (ABMA)	30	050	50	104	140	California red fir, Jeffrey pine, quaking aspen, sugar pine, white fir
	Jeffrey pine (PIJE)	85	600	100	77	40	
	White fir (ABCO)	49	030	50	88	70	
7172:							
Kneeridge, well drained	California red fir (ABMA)	30	050	50	104	140	California red fir, Jeffrey pine, quaking aspen, sugar pine, white fir
	Jeffrey pine (PIJE)	85	600	100	77	40	
	White fir (ABCO)	49	030	50	88	70	

Table 7.--Forest Productivity--Continued

Map symbol and component name	Potential productivity						Forest trees
	Common trees	Site index avg.	Site index base	Site index base age	Volume of wood fiber (CMAI)	CMAI age	
		Ft		Yrs	cu ft/ac/yr	Yrs	
7173:							
Kneeridge, very stony---	California red fir (ABMA)	30	050	50	104	140	California red fir, Jeffrey
	Jeffrey pine (PIJE)------	85	600	100	77	40	pine, quaking aspen, sugar
	White fir (ABCO)---------	49	030	50	88	70	pine, white fir
7174:							
Kneeridge, very stony---	California red fir (ABMA)	30	050	50	104	140	California red fir, Jeffrey
	Jeffrey pine (PIJE)------	85	600	100	77	40	pine, quaking aspen, sugar
	White fir (ABCO)---------	49	030	50	88	70	pine, white fir
7181:							
Paige-------------------	California red fir (ABMA)	35	050	50	119	140	California red fir, Jeffrey
	Jeffrey pine (PIJE)------	84	600	100	75	40	pine, incense cedar, white fir
	White fir (ABCO)---------	48	030	50	86	70	
7182:							
Paige-------------------	California red fir (ABMA)	35	050	50	119	140	California red fir, Jeffrey
	Jeffrey pine (PIJE)------	84	600	100	75	40	pine, incense cedar, white fir
	White fir (ABCO)---------	48	030	50	86	70	
7183:							
Paige-------------------	California red fir (ABMA)	35	050	50	119	140	California red fir, Jeffrey
	Jeffrey pine (PIJE)------	84	600	100	75	40	pine, incense cedar, white fir
	White fir (ABCO)---------	48	030	50	86	70	
7211:							
Southcamp---------------	Incense cedar (CADE27)---	25	300	50	---	---	Jeffrey pine, Sierra lodgepole
	Jeffrey pine (PIJE)------	60	600	100	46	50	pine, sugar pine, western
	Sugar pine (PILA)--------	90	605	300	---	---	white pine, white fir
	White fir (ABCO)---------	30	030	50	51	70	
7221:							
Tahoma------------------	Incense cedar (CADE27)---	25	300	50	---	---	Jeffrey pine, incense cedar,
	Jeffrey pine (PIJE)------	92	600	100	88	40	sugar pine, white fir
	Sugar pine (PILA)--------	110	605	300	---	---	
	White fir (ABCO)---------	55	030	50	109	70	
7222:							
Tahoma------------------	Incense cedar (CADE27)---	25	300	50	---	---	Jeffrey pine, incense cedar,
	Jeffrey pine (PIJE)------	92	600	100	88	40	sugar pine, white fir
	Sugar pine (PILA)--------	110	605	300	---	---	
	White fir (ABCO)---------	55	030	50	109	70	

Table 7.--Forest Productivity--Continued

Map symbol and component name	Potential productivity					Forest trees
	Common trees	Site index avg.	Site index base	Site index base age	Volume of wood fiber (CMAI)	CMAI age	
		Ft		Yrs	cu ft/ac/yr	Yrs	
7222:							
Jorge very gravelly sandy loam	Incense cedar (CADE27)	25	300	50	---	---	Jeffrey pine, Sierra lodgepole pine, incense cedar, sugar pine, white fir
	Jeffrey pine (PIJE)	92	600	100	88	40	
	Sugar pine (PILA)	110	605	300	---	---	
	White fir (ABCO)	55	030	50	109	70	
7231:							
Waca	California red fir (ABMA)	30	050	50	104	140	California red fir, Jeffrey pine, sugar pine, white fir
	Jeffrey pine (PIJE)	90	600	100	85	40	
	White fir (ABCO)	50	030	50	91	70	
7232:							
Waca	California red fir (ABMA)	30	050	50	104	140	California red fir, Jeffrey pine, sugar pine, white fir
	Jeffrey pine (PIJE)	90	600	100	85	40	
	White fir (ABCO)	50	030	50	91	70	
7233:							
Waca	California red fir (ABMA)	30	050	50	104	140	California red fir, Jeffrey pine, sugar pine, white fir
	Jeffrey pine (PIJE)	90	600	100	85	40	
	White fir (ABCO)	50	030	50	91	70	
7241:							
Zephyrcove	Jeffrey pine (PIJE)	75	600	100	62	50	California red fir, Jeffrey pine, white fir
	White fir (ABCO)	40	030	50	64	70	
Southcamp	Incense cedar (CADE27)	25	300	50	---	---	Jeffrey pine, Sierra lodgepole pine, sugar pine, western white pine, white fir
	Jeffrey pine (PIJE)	60	600	100	46	50	
	Sugar pine (PILA)	90	605	300	---	---	
	White fir (ABCO)	30	030	50	51	70	
Genoapeak.							
7242:							
Zephyrcove	Jeffrey pine (PIJE)	75	600	100	62	50	California red fir, Jeffrey pine, white fir
	White fir (ABCO)	40	030	50	64	70	
Southcamp	Incense cedar (CADE27)	25	300	50	---	---	Jeffrey pine, Sierra lodgepole pine, sugar pine, western white pine, white fir
	Jeffrey pine (PIJE)	60	600	100	46	50	
	Sugar pine (PILA)	90	605	300	---	---	
	White fir (ABCO)	30	030	50	51	70	
Genoapeak.							

Table 7.--Forest Productivity--Continued

Map symbol and component name	Potential productivity						Forest trees
	Common trees	Site index avg.	Site index base	Site index base age	Volume of wood fiber (CMAI)	CMAI age	
		Ft		Yrs	cu ft/ac/yr	Yrs	
7401:							
Burnlake	Jeffrey pine (PIJE)	75	600	100	57	100	Jeffrey pine
Roadcat	Lodgepole pine (PICO)	53	520	100	43	100	Lodgepole pine
7411:							
Cagwin	Jeffrey pine (PIJE)	70	600	100	55	40	California red fir, Jeffrey
	White fir (ABCO)	35	030	50	57	70	pine, white fir
Rock outcrop, granitic.							
7412:							
Cagwin	Jeffrey pine (PIJE)	70	600	100	55	40	California red fir, Jeffrey
	White fir (ABCO)	35	030	50	57	70	pine, white fir
Rock outcrop, granitic.							
7413:							
Cagwin	Jeffrey pine (PIJE)	70	600	100	55	40	California red fir, Jeffrey
	White fir (ABCO)	35	030	50	57	70	pine, white fir
Rock outcrop, granitic.							
7414:							
Cagwin	Jeffrey pine (PIJE)	70	600	100	55	40	California red fir, Jeffrey
	White fir (ABCO)	35	030	50	57	70	pine, white fir
Rock outcrop, granitic.							
7421:							
Cassenai gravelly loamy coarse sand	Jeffrey pine (PIJE)	80	600	100	69	40	Jeffrey pine, white fir
	White fir (ABCO)	45	030	50	153	70	
7422:							
Cassenai gravelly loamy coarse sand	Jeffrey pine (PIJE)	80	600	100	69	40	Jeffrey pine, white fir
	White fir (ABCO)	45	030	50	153	70	
7423:							
Cassenai gravelly loamy coarse sand	Jeffrey pine (PIJE)	80	600	100	69	40	Jeffrey pine, white fir
	White fir (ABCO)	45	030	50	153	70	

Table 7.--Forest Productivity--Continued

Map symbol and component name	Potential productivity					Forest trees
	Common trees	Site index avg.	Site index base	Site index base age	Volume of wood fiber (CMAI)	CMAI age	
		Ft		Yrs	cu ft/ac/yr	Yrs	
7424:							
Cassenai gravelly loamy coarse sand	Jeffrey pine (PIJE)	80	600	100	69	40	Jeffrey pine, white fir
	White fir (ABCO)	45	030	50	153	70	
7425:							
Cassenai, moist	California red fir (ABMA)	30	050	50	104	140	California red fir, Sierra lodgepole pine, western white pine, white fir
	Sierra lodgepole pine (PICOM)	60	520	100	50	100	
	Western white pine (PIMO3)	90	605	300	---	---	
7426:							
Cassenai, moist	California red fir (ABMA)	30	050	50	104	140	California red fir, Sierra lodgepole pine, western white pine, white fir
	Sierra lodgepole pine (PICOM)	60	520	100	50	100	
	Western white pine (PIMO3)	90	605	300	---	---	
7427:							
Cassenai, moist	California red fir (ABMA)	30	050	50	104	140	California red fir, Sierra lodgepole pine, western white pine, white fir
	Sierra lodgepole pine (PICOM)	60	520	100	50	100	
	Western white pine (PIMO3)	90	605	300	---	---	
7428:							
Cassenai, moist	California red fir (ABMA)	30	050	50	104	140	California red fir, Sierra lodgepole pine, western white pine, white fir
	Sierra lodgepole pine (PICOM)	60	520	100	50	100	
	Western white pine (PIMO3)	90	605	300	---	---	
7431:							
Celio	Jeffrey pine (PIJE)	80	600	100	69	40	Jeffrey pine, Sierra lodgepole pine, western juniper, white fir
	Sierra lodgepole pine (PICOM)	50	520	100	41	100	
	White fir (ABCO)	40	030	50	64	70	
7441:							
Christopher loamy coarse sand	Jeffrey pine (PIJE)	84	600	100	69	40	Jeffrey pine, Sierra lodgepole pine, incense cedar, white fir
	White fir (ABCO)	30	030	50	51	70	

Table 7.--Forest Productivity--Continued

Map symbol and component name	Potential productivity						Forest trees
	Common trees	Site index avg.	Site index base	Site index base age	Volume of wood fiber (CMAI)	CMAI age	
		Ft		Yrs	cu ft/ac/yr	Yrs	
7442:							
Christopher loamy coarse sand	Jeffrey pine (PIJE)	84	600	100	69	40	Jeffrey pine, Sierra lodgepole pine, incense cedar, white fir
	White fir (ABCO)	30	030	50	51	70	
7443:							
Christopher gravelly loamy coarse sand	Jeffrey pine (PIJE)	84	600	100	69	40	Jeffrey pine, Sierra lodgepole pine, incense cedar, white fir
	White fir (ABCO)	30	030	50	51	70	
7444:							
Christopher loamy coarse sand	Jeffrey pine (PIJE)	84	600	100	69	40	Jeffrey pine, Sierra lodgepole pine, incense cedar, white fir
	White fir (ABCO)	30	030	50	51	70	
Gefo gravelly loamy coarse sand	Jeffrey pine (PIJE)	81	600	100	70	40	Jeffrey pine, Sierra lodgepole pine, incense cedar, white fir
	White fir (ABCO)	30	030	50	51	70	
7451:							
Gefo gravelly loamy coarse sand	Jeffrey pine (PIJE)	81	600	100	70	40	Jeffrey pine, Sierra lodgepole pine, incense cedar, white fir
	White fir (ABCO)	30	030	50	51	70	
7452:							
Gefo gravelly loamy coarse sand	Jeffrey pine (PIJE)	81	600	100	70	40	Jeffrey pine, Sierra lodgepole pine, incense cedar, white fir
	White fir (ABCO)	30	030	50	51	70	
7461:							
Jabu	Jeffrey pine (PIJE)	80	600	100	69	40	Jeffrey pine, Sierra lodgepole pine, incense cedar, white fir
	White fir (ABCO)	30	030	50	51	70	
7462:							
Jabu	Jeffrey pine (PIJE)	80	600	100	69	40	Jeffrey pine, Sierra lodgepole pine, incense cedar, white fir
	White fir (ABCO)	30	030	50	51	70	
7471:							
Marla	Jeffrey pine (PIJE)	80	600	100	69	40	Jeffrey pine, Sierra lodgepole pine, incense cedar, white fir
	Sierra lodgepole pine (PICOM)	80	520	100	69	100	
	White fir (ABCO)	55	030	50	109	70	

Table 7.--Forest Productivity--Continued

Map symbol and component name	Potential productivity					Forest trees
	Common trees	Site index avg.	Site index base	Site index base age	Volume of wood fiber (CMAI)	CMAI age	
		Ft		Yrs	cu ft/ac/yr	Yrs	
7481:							
Meeks, stony	California red fir (ABMA)	30	050	50	104	140	California red fir, Jeffrey
	Jeffrey pine (PIJE)	80	600	100	69	40	pine, sugar pine, white fir
	White fir (ABCO)	50	030	50	91	70	
7482:							
Meeks, stony	California red fir (ABMA)	30	050	50	104	140	California red fir, Jeffrey
	Jeffrey pine (PIJE)	80	600	100	69	40	pine, sugar pine, white fir
	White fir (ABCO)	50	030	50	91	70	
7483:							
Meeks, very stony	California red fir (ABMA)	30	050	50	104	140	California red fir, Jeffrey
	Jeffrey pine (PIJE)	80	600	100	69	40	pine, sugar pine, white fir
	White fir (ABCO)	50	030	50	91	70	
7484:							
Meeks, extremely bouldery	Incense cedar (CADE27)	25	300	50	---	---	Jeffrey pine, Sierra lodgepole
	Jeffrey pine (PIJE)	60	600	100	46	50	pine, incense cedar, sugar
	Sugar pine (PILA)	90	605	300	---	---	pine, white fir
	White fir (ABCO)	30	030	50	51	70	
7485:							
Meeks, extremely bouldery	Incense cedar (CADE27)	25	300	50	---	---	Jeffrey pine, Sierra lodgepole
	Jeffrey pine (PIJE)	60	600	100	46	50	pine, incense cedar, sugar
	Sugar pine (PILA)	90	605	300	---	---	pine, white fir
	White fir (ABCO)	30	030	50	51	70	
7486:							
Meeks, extremely bouldery	Incense cedar (CADE27)	25	300	50	---	---	Jeffrey pine, Sierra lodgepole
	Jeffrey pine (PIJE)	60	600	100	46	50	pine, incense cedar, sugar
	Sugar pine (PILA)	90	605	300	---	---	pine, white fir
	White fir (ABCO)	30	030	50	51	70	
7487:							
Meeks, rubbly	Jeffrey pine (PIJE)	70	600	100	55	50	Jeffrey pine, white fir
	White fir (ABCO)	35	030	50	57	70	
7488:							
Meeks, rubbly	Jeffrey pine (PIJE)	70	600	100	55	50	Jeffrey pine, white fir
	White fir (ABCO)	35	030	50	57	70	

Table 7.--Forest Productivity--Continued

Map symbol and component name	Potential productivity						Forest trees
	Common trees	Site index avg.	Site index base	Site index base age	Volume of wood fiber (CMAI)	CMAI age	
		Ft		Yrs	cu ft/ac/yr	Yrs	
7489:							
Meeks, rubbly----------	Jeffrey pine (PIJE)------	70	600	100	55	50	Jeffrey pine, white fir
	White fir (ABCO)---------	35	030	50	57	70	
7491:							
Oneidas----------	Jeffrey pine (PIJE)------	90	600	100	85	40	Jeffrey pine, Sierra lodgepole
	Sierra lodgepole pine (PICOM)----------	70	520	100	59	100	pine, white fir
	White fir (ABCO)---------	50	030	50	91	70	
7492:							
Oneidas----------	Jeffrey pine (PIJE)------	90	600	100	85	40	Jeffrey pine, Sierra lodgepole
	Sierra lodgepole pine (PICOM)----------	70	520	100	59	100	pine, white fir
	White fir (ABCO)---------	50	030	50	91	70	
7511:							
Shalgran----------	Jeffrey pine (PIJE)------	56	600	100	43	100	Jeffrey pine
Rock outcrop.							
7521:							
Tallac, very stony------	California red fir (ABMA)	30	050	50	104	140	Jeffrey pine, Sierra lodgepole
	Jeffrey pine (PIJE)------	110	600	100	122	40	pine, incense cedar, ponderosa
	White fir (ABCO)---------	50	030	50	91	70	pine, quaking aspen, sugar
							pine, white fir
7522:							
Tallac, very stony------	California red fir (ABMA)	30	050	50	104	140	Jeffrey pine, Sierra lodgepole
	Jeffrey pine (PIJE)------	110	600	100	122	40	pine, incense cedar, ponderosa
	White fir (ABCO)---------	50	030	50	91	70	pine, quaking aspen, sugar
							pine, white fir
7523:							
Tallac, very stony------	California red fir (ABMA)	30	050	50	104	140	Jeffrey pine, Sierra lodgepole
	Jeffrey pine (PIJE)------	110	600	100	122	40	pine, incense cedar, ponderosa
	White fir (ABCO)---------	50	030	50	91	70	pine, quaking aspen, sugar
							pine, white fir

Table 7.--Forest Productivity--Continued

Map symbol and component name	Potential productivity						Forest trees
	Common trees	Site index avg.	Site index base	Site index base age	Volume of wood fiber (CMAI)	CMAI age	
		Ft		Yrs	cu ft/ac/yr	Yrs	
7524:							
Tallac, moderately well drained	California red fir (ABMA)	30	050	50	104	140	Jeffrey pine, Sierra lodgepole pine, incense cedar, ponderosa pine, quaking aspen, sugar pine, white fir
	Jeffrey pine (PIJE)	110	600	100	122	40	
	White fir (ABCO)	50	030	50	91	70	
7525:							
Tallac, moderately well drained	California red fir (ABMA)	30	050	50	104	140	Jeffrey pine, Sierra lodgepole pine, incense cedar, ponderosa pine, quaking aspen, sugar pine, white fir
	Jeffrey pine (PIJE)	110	600	100	122	40	
	White fir (ABCO)	50	030	50	91	70	
7526:							
Tallac, rubbly	California red fir (ABMA)	30	050	50	104	140	Jeffrey pine, Sierra lodgepole pine, incense cedar, ponderosa pine, quaking aspen, sugar pine, white fir
	Jeffrey pine (PIJE)	110	600	100	122	40	
	White fir (ABCO)	50	030	50	91	70	
7541:							
Ubaj	Jeffrey pine (PIJE)	85	600	100	77	40	Jeffrey pine, Sierra lodgepole pine, incense cedar, white fir
	White fir (ABCO)	35	030	50	51	70	
9011:							
Oxyaquic Cryorthents	Quaking aspen (POTR5)	65	730	50	36	70	California red fir, Jeffrey pine, quaking aspen, white fir
Aquic Xerorthents	Quaking aspen (POTR5)	65	730	50	36	70	Quaking aspen, white fir
Tahoe, gravelly.							
9101:							
Callat	California red fir (ABMA)	30	050	50	104	140	California red fir, Sierra lodgepole pine, western white pine, white fir
	Lodgepole pine (PICO)	55	520	100	45	100	
	Western white pine (PIMO3)	87	605	300	---	---	
9102:							
Callat	California red fir (ABMA)	30	050	50	104	140	California red fir, Sierra lodgepole pine, western white pine, white fir
	Lodgepole pine (PICO)	55	520	100	45	100	
	Western white pine (PIMO3)	87	605	300	---	---	

Table 7.--Forest Productivity--Continued

Map symbol and component name	Potential productivity						Forest trees
	Common trees	Site index avg.	Site index base	Site index base age	Volume of wood fiber (CMAI)	CMAI age	
		Ft		Yrs	cu ft/ac/yr	Yrs	
9111:							
Florand	California red fir (ABMA)	29	050	50	104	50	California red fir, lodgepole pine
	Lodgepole pine (PICO)	52	520	100	43	100	
Lostridge	California red fir (ABMA)	29	050	50	104	50	California red fir, lodgepole pine
	Lodgepole pine (PICO)	52	520	100	43	100	
Fishsnooze	Mountain hemlock (TSME)	62	990	100	---	---	Mountain hemlock
9121:							
Watsonlake	California red fir (ABMA)	30	050	50	104	140	California red fir, western white pine, white fir
	White fir (ABCO)	40	030	50	64	70	
9122:							
Watsonlake	California red fir (ABMA)	30	050	50	104	140	California red fir, western white pine, white fir
	White fir (ABCO)	40	030	50	64	70	
9123:							
Watsonlake	California red fir (ABMA)	30	050	50	104	140	California red fir, western white pine, white fir
	White fir (ABCO)	40	030	50	64	70	
9151:							
Shakespeare	California red fir (ABMA)	40	050	50	135	140	California red fir, Jeffrey pine, Sierra lodgepole pine, western white pine, white fir
	Jeffrey pine (PIJE)	80	600	100	69	40	
	White fir (ABCO)	35	030	50	57	70	
9152:							
Shakespeare	California red fir (ABMA)	40	050	50	135	140	California red fir, Jeffrey pine, Sierra lodgepole pine, western white pine, white fir
	Jeffrey pine (PIJE)	80	600	100	69	40	
	White fir (ABCO)	35	030	50	57	70	
9161:							
Sky	California red fir (ABMA)	30	050	50	104	140	California red fir, Sierra lodgepole pine, mountain hemlock, western white pine, white fir
	Mountain hemlock (TSME)	66	990	100	---	---	
	Sierra lodgepole pine (PICOM)	50	520	100	41	100	
	Western white pine (PIMO3)	85	605	300	---	---	

Table 7.--Forest Productivity--Continued

Map symbol and component name	Potential productivity					Forest trees
	Common trees	Site index avg.	Site index base	Site index base age	Volume of wood fiber (CMAI)	CMAI age	
		Ft		Yrs	cu ft/ac/yr	Yrs	
9162:							
Sky	California red fir (ABMA)	30	050	50	104	140	California red fir, Sierra lodgepole pine, mountain hemlock, western white pine, white fir
	Mountain hemlock (TSME)	66	990	100	---	---	
	Sierra lodgepole pine (PICOM)	50	520	100	41	100	
	Western white pine (PIMO3)	85	605	300	---	---	
9163:							
Sky	California red fir (ABMA)	30	050	50	104	140	California red fir, Sierra lodgepole pine, mountain hemlock, western white pine, white fir
	Mountain hemlock (TSME)	66	990	100	---	---	
	Sierra lodgepole pine (PICOM)	50	520	100	41	100	
	Western white pine (PIMO3)	85	605	300	---	---	
9164:							
Sky	California red fir (ABMA)	30	050	50	104	140	California red fir, Sierra lodgepole pine, mountain hemlock, western white pine, white fir
	Mountain hemlock (TSME)	66	990	100	---	---	
	Sierra lodgepole pine (PICOM)	50	520	100	41	100	
	Western white pine (PIMO3)	85	605	300	---	---	
Melody.							
9165:							
Sky	California red fir (ABMA)	30	050	50	104	140	California red fir, Sierra lodgepole pine, mountain hemlock, western white pine, white fir
	Mountain hemlock (TSME)	66	990	100	---	---	
	Sierra lodgepole pine (PICOM)	50	520	100	41	100	
	Western white pine (PIMO3)	85	605	300	---	---	
Melody.							
9166:							
Sky	California red fir (ABMA)	30	050	50	104	140	California red fir, Sierra lodgepole pine, mountain hemlock, western white pine, white fir
	Mountain hemlock (TSME)	66	990	100	---	---	
	Sierra lodgepole pine (PICOM)	50	520	100	41	100	
	Western white pine (PIMO3)	85	605	300	---	---	

Table 7.--Forest Productivity--Continued

Map symbol and component name	Potential productivity						Forest trees
	Common trees	Site index avg.	Site index base	Site index base age	Volume of wood fiber (CMAI)	CMAI age	
		Ft		Yrs	cu ft/ac/yr	Yrs	
9166:							
Melody.							
9401:							
Dagget very gravelly loamy coarse sand------	California red fir (ABMA)	30	050	50	104	140	California red fir, Jeffrey pine, Sierra lodgepole pine, mountain hemlock, western white pine, white fir
	Sierra lodgepole pine (PICOM)----------	60	520	100	50	100	
	Western white pine (PIMO3)----------	90	605	300	---	---	
9402:							
Dagget very gravelly loamy coarse sand------	California red fir (ABMA)	30	050	50	104	140	California red fir, Jeffrey pine, Sierra lodgepole pine, mountain hemlock, western white pine, white fir
	Sierra lodgepole pine (PICOM)----------	60	520	100	50	100	
	Western white pine (PIMO3)----------	90	605	300	---	---	
9403:							
Dagget very gravelly loamy coarse sand------	California red fir (ABMA)	30	050	50	104	140	California red fir, Jeffrey pine, Sierra lodgepole pine, mountain hemlock, western white pine, white fir
	Sierra lodgepole pine (PICOM)----------	60	520	100	50	100	
	Western white pine (PIMO3)----------	90	605	300	---	---	
9404:							
Dagget, moist----------	California red fir (ABMA)	21	050	50	79	140	California red fir, Jeffrey pine, Sierra lodgepole pine, mountain hemlock, western white pine, white fir
	Mountain hemlock (TSME)--	55	990	100	---	---	
	Sierra lodgepole pine (PICOM)----------	53	520	100	43	100	
	Western white pine (PIMO3)----------	80	605	300	---	---	
9405:							
Dagget, moist----------	California red fir (ABMA)	21	050	50	79	140	California red fir, Jeffrey pine, Sierra lodgepole pine, mountain hemlock, western white pine, white fir
	Mountain hemlock (TSME)--	55	990	100	---	---	
	Sierra lodgepole pine (PICOM)----------	53	520	100	43	100	
	Western white pine (PIMO3)----------	80	605	300	---	---	

Table 7.--Forest Productivity--Continued

Map symbol and component name	Potential productivity						Forest trees
	Common trees	Site index avg.	Site index base	Site index base age	Volume of wood fiber (CMAI)	CMAI age	
		Ft		Yrs	cu ft/ac/yr	Yrs	
9406:							
Dagget, moist	California red fir (ABMA)	21	050	50	79	140	California red fir, Jeffrey pine, Sierra lodgepole pine, mountain hemlock, western white pine, white fir
	Mountain hemlock (TSME)	55	990	100	---	---	
	Sierra lodgepole pine (PICOM)	53	520	100	43	100	
	Western white pine (PIMO3)	80	605	300	---	---	
9407:							
Dagget, moist	California red fir (ABMA)	21	050	50	79	140	California red fir, Jeffrey pine, Sierra lodgepole pine, mountain hemlock, western white pine, white fir
	Mountain hemlock (TSME)	55	990	100	---	---	
	Sierra lodgepole pine (PICOM)	53	520	100	43	100	
	Western white pine (PIMO3)	80	605	300	---	---	
Rock outcrop, granitic.							
9421:							
Jobsis	Whitebark pine (PIAL)	---	---	---	---	---	Whitebark pine
Whittell	Whitebark pine (PIAL)	---	---	---	---	---	Whitebark pine
Rock outcrop.							
9431:							
Sofgran	California red fir (ABMA)	29	050	50	101	50	California red fir, lodgepole pine
	Lodgepole pine (PICO)	68	520	100	58	100	
Klauspeak	California red fir (ABMA)	29	050	50	104	50	California red fir, lodgepole pine
	Lodgepole pine (PICO)	52	520	100	43	100	
Temo	Lodgepole pine (PICO)	67	520	100	53	100	California red fir, lodgepole pine
9441:							
Temo	California red fir (ABMA)	20	050	50	104	140	California red fir, lodgepole pine
	Lodgepole pine (PICO)	67	520	100	43	100	

Table 7.--Forest Productivity--Continued

Map symbol and component name	Potential productivity						Forest trees
	Common trees	Site index avg.	Site index base	Site index base age	Volume of wood fiber (CMAI)	CMAI age	
		Ft		Yrs	cu ft/ac/yr	Yrs	
9441:							
Witefels	California red fir (ABMA)	25	050	50	90	140	California red fir, lodgepole pine, western white pine
	Sierra lodgepole pine (PICOM)	60	520	100	50	100	
	Western white pine (PIMO3)	95	605	300	---	---	
9442:							
Temo	California red fir (ABMA)	20	050	50	104	140	California red fir, lodgepole pine
	Lodgepole pine (PICO)	67	520	100	43	100	
Witefels	California red fir (ABMA)	25	050	50	90	140	California red fir, lodgepole pine, western white pine
	Sierra lodgepole pine (PICOM)	60	520	100	50	100	
	Western white pine (PIMO3)	95	605	300	---	---	
9443:							
Temo	California red fir (ABMA)	20	050	50	104	140	California red fir, lodgepole pine
	Lodgepole pine (PICO)	67	520	100	43	100	
Witefels	California red fir (ABMA)	25	050	50	90	140	California red fir, lodgepole pine, western white pine
	Sierra lodgepole pine (PICOM)	60	520	100	50	100	
	Western white pine (PIMO3)	95	605	300	---	---	
9444:							
Temo	California red fir (ABMA)	20	050	50	104	140	California red fir, lodgepole pine
	Lodgepole pine (PICO)	67	520	100	43	100	
Witefels	California red fir (ABMA)	25	050	50	90	140	California red fir, lodgepole pine, western white pine
	Sierra lodgepole pine (PICOM)	60	520	100	50	100	
	Western white pine (PIMO3)	95	605	300	---	---	

Table 7.--Forest Productivity--Continued

Map symbol and component name	Potential productivity						Forest trees
	Common trees	Site index avg.	Site index base	Site index base age	Volume of wood fiber (CMAI)	CMAI age	
		Ft		Yrs	cu ft/ac/yr	Yrs	
9461:							
Whittell----------	Whitebark pine (PIAL)----	---	---	---	---	---	Whitebark pine
Jobsis----------	Whitebark pine (PIAL)----	---	---	---	---	---	Whitebark pine
Rock outcrop.							

Table 8.--Forestland Planting and Harvesting

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table)

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7011:							
Beaches	64	Not rated		Not rated		Not rated	
Oxyaquic Xeropsamments	10	Well suited		Moderately suited Rock fragments	0.50	Poorly suited Wetness	1.00
Watah	7	Well suited		Moderately suited Rock fragments	0.50	Poorly suited Wetness	1.00
Gefo, barrier beach	6	Well suited		Moderately suited Rock fragments	0.50	Well suited	
Marla	5	Well suited		Well suited		Moderately suited Wetness	0.50
Cagwin	1	Moderately suited Rock fragments Sandiness	0.50 0.50	Poorly suited Rock fragments Slope Sandiness	0.75 0.50 0.50	Moderately suited Rock fragments Sandiness	0.50 0.50
Cassenai gravelly loamy coarse sand	1	Moderately suited Sandiness Rock fragments	0.50 0.50	Poorly suited Rock fragments Slope Sandiness	0.75 0.50 0.50	Moderately suited Sandiness Rock fragments	0.50 0.50
Dunes	1	Not rated		Not rated		Not rated	
Jorge very gravelly sandy loam	1	Moderately suited Rock fragments Sandiness	0.50 0.50	Poorly suited Rock fragments Sandiness Slope	0.75 0.50 0.50	Moderately suited Sandiness Rock fragments	0.50 0.50
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe silt loam	1	Well suited		Moderately suited Rock fragments	0.50	Poorly suited Low strength Wetness	1.00 1.00
Tahoma	1	Moderately suited Rock fragments	0.50	Poorly suited Rock fragments Slope	0.75 0.50	Well suited	
Toem	1	Moderately suited Sandiness	0.50	Poorly suited Slope Sandiness	0.75 0.50	Moderately suited Sandiness Slope	0.50 0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7021:							
Hellhole	80	Moderately suited		Poorly suited		Poorly suited	
		Wetness	0.50	Wetness	0.75	Low strength	1.00
						Wetness	1.00
Bidart, wet	10	Well suited		Well suited		Poorly suited	
						Low strength	1.00
						Wetness	1.00
Watah	5	Well suited		Moderately suited		Poorly suited	
				Rock fragments	0.50	Wetness	1.00
Water	5	Not rated		Not rated		Not rated	
7031:							
Pits	45	Not rated		Not rated		Not rated	
Dumps	45	Not rated		Not rated		Not rated	
Arents	5	Not rated		Not rated		Not rated	
Xerorthents	5	Not rated		Not rated		Not rated	
7041:							
Tahoe silt loam	55	Well suited		Moderately suited		Poorly suited	
				Rock fragments	0.50	Low strength	1.00
						Wetness	1.00
Tahoe silt loam, wet	25	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
						Wetness	1.00
						Sandiness	0.50
Marla	10	Well suited		Well suited		Moderately suited	
						Wetness	0.50
Tahoe, gravelly	5	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
Watah	5	Well suited		Moderately suited		Poorly suited	
				Rock fragments	0.50	Wetness	1.00
7042:							
Tahoe, gravelly	55	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
Tahoe, gravelly, wet	25	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
Marla	5	Well suited		Well suited		Moderately suited	
						Wetness	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7042:							
Riverwash	5	Not rated		Not rated		Not rated	
Tahoe silt loam	5	Well suited		Moderately suited		Poorly suited	
				Rock fragments	0.50	Low strength	1.00
						Wetness	1.00
Watah	5	Well suited		Moderately suited		Poorly suited	
				Rock fragments	0.50	Wetness	1.00
7043:							
Tahoe, drained	80	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
						Wetness	0.50
						Sandiness	0.50
Marla	5	Well suited		Well suited		Moderately suited	
						Wetness	0.50
Tahoe, gravelly	5	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
Tahoe silt loam, wet	5	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
						Wetness	1.00
						Sandiness	0.50
Watah	5	Well suited		Moderately suited		Poorly suited	
				Rock fragments	0.50	Wetness	1.00
7051:							
Oxyaquic Xerorthents	60	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Rock fragments	0.50	Sandiness	0.50
				Sandiness	0.50		
Water	38	Not rated		Not rated		Not rated	
Marla	1	Well suited		Well suited		Moderately suited	
						Wetness	0.50
Watah	1	Well suited		Moderately suited		Poorly suited	
				Rock fragments	0.50	Wetness	1.00
7061:							
Urban land	100	Not rated		Not rated		Not rated	
7071:							
Watah	75	Well suited		Moderately suited		Poorly suited	
				Rock fragments	0.50	Wetness	1.00
Tahoe, gravelly, wet	9	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7071:							
Tahoe silt loam, wet	8	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
						Wetness	1.00
						Sandiness	0.50
Marla	3	Well suited		Well suited		Moderately suited	
						Wetness	0.50
Bidart, wet	2	Well suited		Well suited		Poorly suited	
						Low strength	1.00
						Wetness	1.00
Water	2	Not rated		Not rated		Not rated	
Hellhole	1	Moderately suited		Poorly suited		Poorly suited	
		Wetness	0.50	Wetness	0.75	Low strength	1.00
						Wetness	1.00
7101:							
Caverock	80	Well suited		Unsuited		Moderately suited	
				Slope	1.00	Slope	0.50
				Rock fragments	0.50		
Cagwin	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Cassenai gravelly loamy coarse sand	5	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
				Sandiness	0.50	Slope	0.50
Deerhill	3	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
				Rock fragments	0.50		
Genoapeak	2	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Rock fragments	1.00	Sandiness	0.50
		Sandiness	0.50	Slope	0.75	Slope	0.50
				Sandiness	0.50		
Southcamp	2	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00		
Zephyrcove	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	1.00	Slope	1.00
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7111:							
Deerhill	80	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
				Rock fragments	0.50		
Cassenai gravelly loamy coarse sand	5	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
				Sandiness	0.50	Slope	0.50
Cagwin	3	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Shakespeare	3	Moderately suited		Poorly suited		Moderately suited	
		Stickiness; high plasticity index	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
		Rock fragments	0.50	Stickiness; high plasticity index	0.50		
Southcamp	3	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Rock fragments	1.00	Slope	0.50
				Slope	0.75		
Zephyrcove	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Genoapeak	2	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Rock fragments	1.00	Sandiness	0.50
		Sandiness	0.50	Slope	0.75	Slope	0.50
				Sandiness	0.50		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7112:							
Deerhill	80	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Cassenai gravelly loamy coarse sand	5	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Sandiness	0.50	Rock fragments	0.50
Cagwin	3	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7112:							
Shakespeare	3	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Stickiness; high plasticity index	0.50	Rock fragments	0.75	Rock fragments	0.50
		Rock fragments	0.50	Stickiness; high plasticity index	0.50		
Southcamp	3	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00		
Zephyrcove	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	1.00	Slope	1.00
Genoapeak	2	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	1.00	Sandiness	0.50
		Slope	0.50	Sandiness	0.50		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7121:							
Ellispeak	45	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Rock outcrop, volcanic	40	Not rated		Not rated		Not rated	
Waca	10	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Kneeridge, well drained	2	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Paige	2	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
Tahoe, gravelly	1	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
7122:							
Ellispeak	45	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Rock outcrop, volcanic	40	Not rated		Not rated		Not rated	

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7122:							
Waca	10	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.50		
		Slope	0.50	Sandiness	0.50		
Kneeridge, well drained	3	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Paige	1	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
7123:							
Ellispeak	45	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Rock outcrop, volcanic	40	Not rated		Not rated		Not rated	
Waca	10	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.50		
		Sandiness	0.50	Sandiness	0.50		
Kneeridge, well drained	3	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Paige	1	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
7131:							
Ellispeak	45	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Waca	40	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7132:							
Ellispeak	45	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Waca	40	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.50		
		Slope	0.50	Sandiness	0.50		
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7133:							
Ellispeak	45	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Waca	40	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.50		
		Sandiness	0.50	Sandiness	0.50		
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7141:							
Inville	80	Moderately suited		Unsuited		Well suited	
		Rock fragments	0.50	Rock fragments	1.00		
				Slope	0.50		
Christopher loamy coarse sand	10	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Cassenai gravelly loamy coarse sand	4	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Slope	0.50	Rock fragments	0.50
				Sandiness	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7141:							
Jorge very gravelly sandy loam	3	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
		Sandiness	0.50	Sandiness	0.50	Rock fragments	0.50
				Slope	0.50		
Kingsbeach	2	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
				Slope	0.50		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7142:							
Inville	80	Moderately suited		Unsuited		Well suited	
		Rock fragments	0.50	Rock fragments	1.00		
				Slope	0.50		
Cassenai gravelly loamy coarse sand	10	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Slope	0.50	Rock fragments	0.50
				Sandiness	0.50		
Christopher gravelly loamy coarse sand	4	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Jorge very gravelly sandy loam	3	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
		Sandiness	0.50	Sandiness	0.50	Rock fragments	0.50
				Slope	0.50		
Meeks, extremely bouldery	2	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
				Slope	0.50		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7143:							
Inville	80	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Rock fragments	1.00	Slope	0.50
				Slope	0.75		
Cassenai gravelly loamy coarse sand	10	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
				Sandiness	0.50	Slope	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7143:							
Christopher gravelly loamy coarse sand	4	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Jorge very gravelly sandy loam	3	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Sandiness	0.50
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
				Sandiness	0.50	Slope	0.50
Meeks, extremely bouldery	2	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7151:							
Jorge very cobbly fine sandy loam	80	Unsuited		Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.50		
Tahoma	5	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Waca	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Jorge very cobbly loam	4	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	0.50		
Ellispeak	2	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Sky	2	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Rock outcrop	1	Not rated		Not rated		Not rated	
7152:							
Jorge very cobbly fine sandy loam	80	Unsuited		Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7152:							
Tahoma	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
Waca	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Jorge very cobbly loam	4	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	1.00	Slope	0.50
Ellispeak	2	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Sky	2	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Rock outcrop	1	Not rated		Not rated		Not rated	
7153:							
Jorge very cobbly fine sandy loam	80	Unsuited		Unsuited		Poorly suited	
		Rock fragments	1.00	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
Tahoma	5	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.75		
Waca	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.50		
		Slope	0.50	Sandiness	0.50		
Jorge very cobbly loam	4	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	1.00	Slope	0.50
Ellispeak	2	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Sky	2	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Rock outcrop	1	Not rated		Not rated		Not rated	

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7154:							
Jorge very cobbly loam	75	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	0.50		
Rubble land	10	Not rated		Not rated		Not rated	
Tahoma	5	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Ellispeak	3	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Rock outcrop	3	Not rated		Not rated		Not rated	
Waca	3	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Tahoe, gravelly	1	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
7155:							
Jorge very cobbly loam	75	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	1.00	Slope	0.50
Rubble land	10	Not rated		Not rated		Not rated	
Tahoma	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
Ellispeak	3	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Rock outcrop	3	Not rated		Not rated		Not rated	
Waca	3	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Tahoe, gravelly	1	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7156:							
Jorge very gravelly sandy loam	45	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Sandiness	0.50
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
				Sandiness	0.50	Slope	0.50
Tahoma	35	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
Waca	10	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Inville	5	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Rock fragments	1.00	Slope	0.50
				Slope	0.75		
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
7157:							
Jorge very gravelly sandy loam	55	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
		Slope	0.50	Sandiness	0.50	Rock fragments	0.50
Tahoma	25	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.75		
Waca	10	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.50		
		Slope	0.50	Sandiness	0.50		
Inville	5	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Rock fragments	1.00	Slope	0.50
				Slope	0.75		
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7157:							
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
7161:							
Kingsbeach	80	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
				Slope	0.50		
Tahoma	10	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Jorge very gravelly sandy loam	8	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
		Sandiness	0.50	Sandiness	0.50	Rock fragments	0.50
				Slope	0.50		
Beaches	1	Not rated		Not rated		Not rated	
Dunes	1	Not rated		Not rated		Not rated	
7171:							
Kneeridge, extremely stony	80	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
				Slope	0.50		
Jorge very gravelly sandy loam	9	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
		Sandiness	0.50	Sandiness	0.50	Rock fragments	0.50
				Slope	0.50		
Paige	5	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Waca	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Tahoe, gravelly	1	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
7172:							
Kneeridge, well drained	80	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7172:							
Jorge very gravelly sandy loam	9	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
		Sandiness	0.50	Sandiness	0.50	Rock fragments	0.50
				Slope	0.50		
Paige	5	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Waca	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Tahoe, gravelly	1	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
7173:							
Kneeridge, very stony	80	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
Jorge very gravelly sandy loam	9	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
		Sandiness	0.50	Sandiness	0.50	Rock fragments	0.50
				Slope	0.50		
Paige	5	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Waca	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Tahoe, gravelly	1	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
7174:							
Kneeridge, very stony	80	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Jorge very gravelly sandy loam	9	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
		Sandiness	0.50	Sandiness	0.50	Rock fragments	0.50
				Slope	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7174:							
Paige	5	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Waca	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Tahoe, gravelly	1	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
7181:							
Paige	80	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Kneeridge, well drained	7	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Jorge very gravelly sandy loam	6	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
		Sandiness	0.50	Sandiness	0.50	Rock fragments	0.50
				Slope	0.50		
Tahoe, gravelly	5	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
Waca	2	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
7182:							
Paige	80	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
Jorge very gravelly sandy loam	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Sandiness	0.50
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
				Sandiness	0.50	Slope	0.50
Tahoma	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
Waca	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7182:							
Kneeridge, well drained	4	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Tahoe, gravelly	1	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
7183:							
Paige	84	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
Jorge very gravelly sandy loam	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
		Slope	0.50	Sandiness	0.50	Rock fragments	0.50
Tahoma	5	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.75		
Waca	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.50		
		Slope	0.50	Sandiness	0.50		
Tahoe, gravelly	1	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
7191:							
Rock outcrop, volcanic	90	Not rated		Not rated		Not rated	
Glenalpine	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	0.50
Lithnip	2	Unsuited		Unsuited		Poorly suited	
		Restrictive layer	1.00	Restrictive layer	1.00	Slope	1.00
		Sandiness	0.50	Slope	1.00	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75		
		Slope	0.50	Sandiness	0.50		
Meiss	2	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Slope	1.00	Slope	0.50
				Rock fragments	0.75		
Melody	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	1.00	Slope	1.00
Rubble land	2	Not rated		Not rated		Not rated	

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7201:							
Rubble land, talus--	45	Not rated		Not rated		Not rated	
Glenalpine----------	40	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	0.50
Rock outcrop--------	10	Not rated		Not rated		Not rated	
Rockbound very stony loam---------	5	Unsuited		Unsuited		Poorly suited	
		Rock fragments	1.00	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
7211:							
Southcamp----------	80	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	1.00		
Cassenai gravelly loamy coarse sand--	5	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Sandiness	0.50	Rock fragments	0.50
Genoapeak----------	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	1.00	Sandiness	0.50
		Slope	0.50	Sandiness	0.50		
Zephyrcove----------	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	1.00	Slope	1.00
Cagwin--------------	2	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Deerhill------------	2	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Aquic Xerorthents---	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7221:							
Tahoma--------------	80	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Waca----------------	10	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7221:							
Inville	4	Moderately suited		Unsuited		Well suited	
		Rock fragments	0.50	Rock fragments	1.00		
				Slope	0.50		
Rubble land	3	Not rated		Not rated		Not rated	
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Ellispeak	1	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Rock outcrop	1	Not rated		Not rated		Not rated	
7222:							
Tahoma	50	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Jorge very gravelly sandy loam	30	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
		Sandiness	0.50	Sandiness	0.50	Rock fragments	0.50
				Slope	0.50		
Waca	10	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Inville	5	Moderately suited		Unsuited		Well suited	
		Rock fragments	0.50	Rock fragments	1.00		
				Slope	0.50		
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
7231:							
Waca	80	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7231:							
Ellispeak	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Kneeridge, well drained	2	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Paige	2	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7232:							
Waca	80	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.50		
		Slope	0.50	Sandiness	0.50		
Ellispeak	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	4	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Kneeridge, well drained	2	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Paige	2	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Typic Epiaquents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7233:							
Waca	80	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.50		
		Sandiness	0.50	Sandiness	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7233:							
Ellispeak	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Kneeridge, well drained	2	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Paige	2	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7241:							
Zephyrcove	50	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Southcamp	20	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Rock fragments	1.00	Slope	0.50
				Slope	0.75		
Genoapeak	17	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Rock fragments	1.00	Sandiness	0.50
		Sandiness	0.50	Slope	0.75	Slope	0.50
				Sandiness	0.50		
Cagwin	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Cassenai gravelly loamy coarse sand	5	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
				Sandiness	0.50	Slope	0.50
Deerhill	2	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
				Rock fragments	0.50		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7242:							
Zephyrcove	50	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	1.00	Slope	1.00
Southcamp	20	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00		
Genoapeak	17	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	1.00	Sandiness	0.50
		Slope	0.50	Sandiness	0.50		
Cagwin	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Cassenai gravelly loamy coarse sand	5	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Sandiness	0.50	Rock fragments	0.50
Deerhill	2	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7401:							
Burnlake	60	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
Roadcat	25	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
Hardtil	4	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75		
				Sandiness	0.50		
Aquic Haplocryolls	2	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Aspetill	2	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Slope	0.75		
				Rock fragments	0.75		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7401:							
Cumulic Cryaquolls--	2	Moderately suited		Poorly suited		Poorly suited	
		Sandiness	0.50	Rock fragments	0.75	Wetness	1.00
		Rock fragments	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
Stumpatil----------	2	Well suited		Poorly suited		Well suited	
				Slope	0.75		
				Rock fragments	0.50		
Typic Haploxerepts--	2	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Slope	0.75		
				Sandiness	0.50		
Rock outcrop--------	1	Not rated		Not rated		Not rated	
7411:							
Cagwin-------------	50	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
		Sandiness	0.50	Slope	0.50	Sandiness	0.50
				Sandiness	0.50		
Rock outcrop, granitic----------	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand--	10	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Slope	0.50	Rock fragments	0.50
				Sandiness	0.50		
Toem----------	10	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Dagget very gravelly loamy coarse sand--------	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Temo----------	2	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.50	Sandiness	0.50
				Sandiness	0.50		
Witefels----------	2	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
				Slope	0.50		
Marla----------	1	Well suited		Well suited		Moderately suited	
						Wetness	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7412:							
Cagwin	50	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
				Sandiness	0.50	Slope	0.50
Toem	10	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Dagget very gravelly loamy coarse sand	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Temo	2	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Witefels	2	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
				Rock fragments	0.75	Slope	0.50
Marla	1	Well suited		Well suited		Moderately suited	
						Wetness	0.50
7413:							
Cagwin	50	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Sandiness	0.50	Rock fragments	0.50
Toem	10	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7413:							
Dagget very gravelly loamy coarse sand--------	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Temo----------	2	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Witefels----------	2	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	1.00
Marla----------	1	Well suited		Well suited		Moderately suited	
						Wetness	0.50
7414:							
Cagwin----------	50	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Rock outcrop, granitic----------	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand--	10	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Sandiness	0.50	Rock fragments	0.50
Toem----------	10	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Dagget very gravelly loamy coarse sand--------	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Temo----------	2	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Witefels----------	2	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	1.00
Marla----------	1	Well suited		Well suited		Moderately suited	
						Wetness	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7421:							
Cassenai gravelly loamy coarse sand--	78	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Slope	0.50	Rock fragments	0.50
				Sandiness	0.50		
Cagwin----------	12	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
		Sandiness	0.50	Slope	0.50	Sandiness	0.50
				Sandiness	0.50		
Toem----------	4	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Rock outcrop--------	3	Not rated		Not rated		Not rated	
Christopher gravelly loamy coarse sand--------	1	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Christopher loamy coarse sand--------	1	Well suited		Well suited		Well suited	
Marla----------	1	Well suited		Well suited		Moderately suited	
						Wetness	0.50
7422:							
Cassenai gravelly loamy coarse sand--	73	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
				Sandiness	0.50	Slope	0.50
Cagwin----------	12	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Dagget very gravelly loamy coarse sand--------	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Toem----------	4	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Aquic Xerorthents---	2	Well suited		Moderately suited		Well suited	
				Slope	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7422:							
Christopher gravelly loamy coarse sand--------	2	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Rock outcrop--------	2	Not rated		Not rated		Not rated	
7423:							
Cassenai gravelly loamy coarse sand--	78	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Sandiness	0.50	Rock fragments	0.50
Cagwin--------------	12	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Toem----------------	4	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Rock outcrop--------	3	Not rated		Not rated		Not rated	
Christopher gravelly loamy coarse sand--------	2	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Aquic Xerorthents---	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7424:							
Cassenai gravelly loamy coarse sand--	78	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Sandiness	0.50	Rock fragments	0.50
Cagwin--------------	12	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Toem----------------	5	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Rock outcrop--------	4	Not rated		Not rated		Not rated	
Aquic Xerorthents---	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7425:							
Cassenai, moist-----	80	Well suited		Moderately suited		Moderately suited	
				Rock fragments	0.50	Rock fragments	0.50
				Slope	0.50		
Cagwin----------	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
		Sandiness	0.50	Slope	0.50	Sandiness	0.50
				Sandiness	0.50		
Meeks, extremely bouldery----------	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
				Slope	0.50		
Tallac, very stony--	5	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Rock outcrop--------	2	Not rated		Not rated		Not rated	
Toem----------	2	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Marla----------	1	Well suited		Well suited		Moderately suited	
						Wetness	0.50
7426:							
Cassenai, moist-----	80	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Rock fragments	0.50
				Rock fragments	0.50	Slope	0.50
Cagwin----------	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Tallac, very stony--	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
Meeks, extremely bouldery----------	4	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Rock outcrop--------	2	Not rated		Not rated		Not rated	
Toem----------	2	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Aquic Xerorthents---	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Marla----------	1	Well suited		Well suited		Moderately suited	
						Wetness	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7427:							
Cassenai, moist-----	80	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50	Rock fragments	0.50
Cagwin----------	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Meeks, extremely bouldery----------	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	0.75	Slope	1.00
Toem----------	5	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Rock outcrop--------	2	Not rated		Not rated		Not rated	
Tallac, very stony--	2	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.75		
Aquic Xerorthents---	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7428:							
Cassenai, moist-----	80	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50	Rock fragments	0.50
Cagwin----------	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Meeks, extremely bouldery----------	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	0.75	Slope	1.00
Toem----------	5	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Rock outcrop--------	2	Not rated		Not rated		Not rated	
Tallac, very stony--	2	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.75		
Aquic Xerorthents---	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7431:							
Celio	80	Moderately suited Sandiness	0.50	Moderately suited Sandiness Rock fragments	0.50 0.50	Moderately suited Sandiness	0.50
Meeks, stony	7	Moderately suited Rock fragments	0.50	Poorly suited Rock fragments	0.75	Well suited	
Tahoe, gravelly	5	Moderately suited Sandiness	0.50	Moderately suited Sandiness Rock fragments	0.50 0.50	Poorly suited Low strength Wetness Sandiness	1.00 1.00 0.50
Marla	4	Well suited		Well suited		Moderately suited Wetness	0.50
Watah	4	Well suited		Moderately suited Rock fragments	0.50	Poorly suited Wetness	1.00
7441:							
Christopher loamy coarse sand	80	Well suited		Moderately suited Slope	0.50	Well suited	
Gefo gravelly loamy coarse sand	10	Well suited		Moderately suited Rock fragments	0.50	Well suited	
Jabu	5	Well suited		Moderately suited Slope	0.50	Well suited	
Oneidas	3	Well suited		Well suited		Well suited	
Marla	2	Well suited		Well suited		Moderately suited Wetness	0.50
7442:							
Christopher loamy coarse sand	80	Well suited		Poorly suited Slope	0.75	Moderately suited Slope	0.50
Gefo gravelly loamy coarse sand	10	Well suited		Moderately suited Slope Rock fragments	0.50 0.50	Well suited	
Jabu	5	Well suited		Moderately suited Slope	0.50	Well suited	
Oneidas	3	Well suited		Moderately suited Slope	0.50	Well suited	
Marla	2	Well suited		Well suited		Moderately suited Wetness	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7443:							
Christopher gravelly loamy coarse sand	80	Moderately suited Sandiness	0.50	Poorly suited Slope Sandiness	0.75 0.50	Moderately suited Sandiness Slope	0.50 0.50
Gefo gravelly loamy coarse sand	10	Well suited		Moderately suited Slope Rock fragments	0.50 0.50	Well suited	
Jabu	5	Well suited		Moderately suited Slope	0.50	Well suited	
Oneidas	3	Well suited		Moderately suited Slope	0.50	Well suited	
Marla	2	Well suited		Well suited		Moderately suited Wetness	0.50
7444:							
Christopher loamy coarse sand	45	Well suited		Well suited		Well suited	
Gefo gravelly loamy coarse sand	35	Well suited		Moderately suited Rock fragments	0.50	Well suited	
Jabu	5	Well suited		Moderately suited Slope	0.50	Well suited	
Marla	5	Well suited		Well suited		Moderately suited Wetness	0.50
Oneidas	5	Well suited		Well suited		Well suited	
Ubaj	5	Well suited		Moderately suited Slope	0.50	Well suited	
7451:							
Gefo gravelly loamy coarse sand	80	Well suited		Moderately suited Rock fragments	0.50	Well suited	
Christopher loamy coarse sand	10	Well suited		Moderately suited Slope	0.50	Well suited	
Jabu	5	Well suited		Moderately suited Slope	0.50	Well suited	
Oneidas	3	Well suited		Well suited		Well suited	
Marla	2	Well suited		Well suited		Moderately suited Wetness	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7452:							
Gefo gravelly loamy coarse sand	80	Well suited		Moderately suited		Well suited	
				Slope	0.50		
				Rock fragments	0.50		
Christopher loamy coarse sand	10	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
Jabu	5	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Oneidas	3	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Marla	2	Well suited		Well suited		Moderately suited	
						Wetness	0.50
7461:							
Jabu	80	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Christopher loamy coarse sand	10	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Oneidas	5	Well suited		Well suited		Well suited	
Gefo gravelly loamy coarse sand	3	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
Marla	2	Well suited		Well suited		Moderately suited	
						Wetness	0.50
7462:							
Jabu	80	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Christopher loamy coarse sand	10	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
Oneidas	5	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Gefo gravelly loamy coarse sand	3	Well suited		Moderately suited		Well suited	
				Slope	0.50		
				Rock fragments	0.50		
Marla	2	Well suited		Well suited		Moderately suited	
						Wetness	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7471:							
Marla	80	Well suited		Well suited		Moderately suited	
						Wetness	0.50
Christopher loamy coarse sand	4	Well suited		Well suited		Well suited	
Gefo gravelly loamy coarse sand	4	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
Tahoe	4	Well suited		Moderately suited		Poorly suited	
				Rock fragments	0.50	Low strength	1.00
						Wetness	1.00
Ubaj	4	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Watah	4	Well suited		Moderately suited		Poorly suited	
				Rock fragments	0.50	Wetness	1.00
7481:							
Meeks, stony	85	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
Cassenai gravelly loamy coarse sand	5	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Slope	0.50	Rock fragments	0.50
				Sandiness	0.50		
Celio	5	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Rock fragments	0.50		
Gefo gravelly loamy coarse sand	4	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
Tahoe, gravelly	1	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
7482:							
Meeks, stony	80	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Cassenai gravelly loamy coarse sand	10	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Slope	0.50	Rock fragments	0.50
				Sandiness	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7482:							
Oneidas	7	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Celio	3	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Rock fragments	0.50		
7483:							
Meeks, very stony	85	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
Cassenai gravelly loamy coarse sand	5	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Slope	0.50	Rock fragments	0.50
				Sandiness	0.50		
Celio	5	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Rock fragments	0.50		
Jabu	5	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7484:							
Meeks, extremely bouldery	80	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
				Slope	0.50		
Burnlake	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50		
Meeks, rubbly	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.50		
Dagget, moist	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.50	Sandiness	0.50
				Sandiness	0.50		
Tallac, very stony	3	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Roadcat	2	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Jabu	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7485:							
Meeks, extremely bouldery	80	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Burnlake	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50		
Meeks, rubbly	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Dagget, moist	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Tallac, very stony	3	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
Roadcat	2	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Jabu	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7486:							
Meeks, extremely bouldery	80	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	0.75	Slope	1.00
Burnlake	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50		
Meeks, rubbly	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	1.00	Slope	1.00
Dagget, moist	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Tallac, very stony	3	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.75		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7486:							
Roadcat	2	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Jabu	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7487:							
Meeks, rubbly	80	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.50		
Burnlake	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50		
Rockbound very gravelly loam	5	Unsuited		Unsuited		Poorly suited	
		Restrictive layer	1.00	Rock fragments	1.00	Rock fragments	1.00
		Rock fragments	0.75	Restrictive layer	1.00	Sandiness	0.50
		Sandiness	0.50	Slope	0.50		
				Sandiness	0.50		
Roadcat	3	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
Cagwin	2	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
		Sandiness	0.50	Slope	0.50	Sandiness	0.50
				Sandiness	0.50		
Cassenai gravelly loamy coarse sand	2	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Slope	0.50	Rock fragments	0.50
				Sandiness	0.50		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
7488:							
Meeks, rubbly	80	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7488:							
Burnlake	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50		
Rockbound very gravelly loam	5	Unsuited		Unsuited		Poorly suited	
		Restrictive layer	1.00	Rock fragments	1.00	Rock fragments	1.00
		Rock fragments	0.75	Restrictive layer	1.00	Sandiness	0.50
		Sandiness	0.50	Slope	0.50		
				Sandiness	0.50		
Roadcat	3	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
Cagwin	2	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Cassenai gravelly loamy coarse sand	2	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
				Sandiness	0.50	Slope	0.50
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
7489:							
Meeks, rubbly	80	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	1.00	Slope	1.00
Burnlake	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50		
Rockbound very stony loam	5	Unsuited		Unsuited		Poorly suited	
		Rock fragments	1.00	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Roadcat	3	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7489:							
Cassenai gravelly loamy coarse sand--	2	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Sandiness	0.50	Rock fragments	0.50
Aquic Xerorthents---	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Cagwin----------	1	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Rock outcrop--------	1	Not rated		Not rated		Not rated	
Rubble land---------	1	Not rated		Not rated		Not rated	
Toem----------	1	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
7491:							
Oneidas----------	80	Well suited		Well suited		Well suited	
Jabu----------	10	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Christopher loamy coarse sand--------	3	Well suited		Well suited		Well suited	
Meeks, stony--------	3	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
Gefo gravelly loamy coarse sand--------	2	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
Marla----------	2	Well suited		Well suited		Moderately suited	
						Wetness	0.50
7492:							
Oneidas----------	80	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Jabu----------	10	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Christopher loamy coarse sand--------	3	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
Meeks, stony--------	3	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7492:							
Gefo gravelly loamy coarse sand	2	Well suited		Moderately suited		Well suited	
				Slope	0.50		
				Rock fragments	0.50		
Marla	2	Well suited		Well suited		Moderately suited	
						Wetness	0.50
7500:							
Rock outcrop, granitic	90	Not rated		Not rated		Not rated	
Rockbound very stony loam	2	Unsuited		Unsuited		Poorly suited	
		Rock fragments	1.00	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Rubble land	2	Not rated		Not rated		Not rated	
Toem	2	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Windyridge	2	Moderately suited		Poorly suited		Moderately suited	
		Restrictive layer	0.50	Slope	0.75	Sandiness	0.50
		Sandiness	0.50	Rock fragments	0.75	Slope	0.50
		Rock fragments	0.50	Sandiness	0.50		
Freelpeak	1	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50		
Jobsis	1	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
7501:							
Rock outcrop, granitic	50	Not rated		Not rated		Not rated	
Rockbound very gravelly loam	30	Unsuited		Unsuited		Poorly suited	
		Restrictive layer	1.00	Rock fragments	1.00	Rock fragments	1.00
		Rock fragments	0.75	Restrictive layer	1.00	Sandiness	0.50
		Sandiness	0.50	Slope	0.50		
				Sandiness	0.50		
Dagget, moist	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.50	Sandiness	0.50
				Sandiness	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7501:							
Meeks, rubbly-------	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.50		
Temo----------	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.50	Sandiness	0.50
				Sandiness	0.50		
Witefels----------	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
				Slope	0.50		
7502:							
Rock outcrop, granitic----------	50	Not rated		Not rated		Not rated	
Rockbound very stony loam---------	25	Unsuited		Unsuited		Poorly suited	
		Rock fragments	1.00	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Dagget, moist-------	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Glenalpine----------	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	0.50
Rubble land---------	5	Not rated		Not rated		Not rated	
Temo----------	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Witefels----------	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	1.00
7511:							
Shalgran----------	70	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Rock outcrop--------	15	Not rated		Not rated		Not rated	
Sofgran----------	6	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.50	Sandiness	0.50
				Sandiness	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7511:							
Dystric Xerorthents	3	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
		Slope	0.50	Sandiness	0.50		
Burnlake	2	Moderately suited		Unsuited		Moderately suited	
		Sandiness	0.50	Slope	1.00	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50		
Jobsis	2	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.50	Sandiness	0.50
				Sandiness	0.50		
Temo	2	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
				Rock fragments	0.50		
7521:							
Tallac, very stony	75	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Tallac, rubbly	10	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	0.50		
Tallac, moderately well drained	9	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
Meeks, extremely bouldery	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
				Slope	0.50		
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7522:							
Tallac, very stony	85	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
Meeks, extremely bouldery	10	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7522:							
Cagwin	1	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Cassenai gravelly loamy coarse sand	1	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
				Sandiness	0.50	Slope	0.50
Dagget, moist	1	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Rockbound very gravelly loam	1	Unsuited		Unsuited		Poorly suited	
		Restrictive layer	1.00	Rock fragments	1.00	Rock fragments	1.00
		Rock fragments	0.75	Restrictive layer	1.00	Sandiness	0.50
		Sandiness	0.50	Slope	0.50		
				Sandiness	0.50		
7523:							
Tallac, very stony	85	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.75		
Meeks, extremely bouldery	10	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	0.75	Slope	1.00
Aquic Xerorthents	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Cagwin	1	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Cassenai gravelly loamy coarse sand	1	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Sandiness	0.50	Rock fragments	0.50
Dagget, moist	1	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Rockbound very stony loam	1	Unsuited		Unsuited		Poorly suited	
		Rock fragments	1.00	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7524:							
Tallac, moderately well drained-------	80	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
Tallac, moderately well drained, 5 to 9 percent slopes---	10	Well suited		Moderately suited		Well suited	
				Slope	0.50		
				Rock fragments	0.50		
Meeks, very stony---	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
Callat--------------	4	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Rock fragments	0.50
				Rock fragments	0.50	Slope	0.50
Tahoe, gravelly-----	1	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
7525:							
Tallac, moderately well drained-------	80	Well suited		Moderately suited		Well suited	
				Slope	0.50		
				Rock fragments	0.50		
Tallac, moderately well drained, 0 to 5 percent slopes---	10	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
Meeks, extremely bouldery-----------	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
				Slope	0.50		
Callat--------------	4	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Rock fragments	0.50
				Rock fragments	0.50	Slope	0.50
Tahoe, gravelly-----	1	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
7526:							
Tallac, rubbly------	85	Poorly suited		Unsuited		Moderately suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	0.50
				Slope	0.50		
Tallac, moderately well drained-------	10	Well suited		Moderately suited		Well suited	
				Slope	0.50		
				Rock fragments	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7526:							
Tallac, very stony--	4	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Aquic Xerorthents---	1	Well suited		Moderately suited		Well suited	
				Slope	0.50		
7531:							
Toem----------	45	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Rock outcrop, granitic----------	40	Not rated		Not rated		Not rated	
Cagwin----------	10	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Cassenai gravelly loamy coarse sand--	5	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
				Sandiness	0.50	Slope	0.50
7532:							
Toem----------	45	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Rock outcrop, granitic----------	40	Not rated		Not rated		Not rated	
Cagwin----------	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Cassenai gravelly loamy coarse sand--	5	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Sandiness	0.50	Rock fragments	0.50
Dagget very gravelly loamy coarse sand--------	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
7533:							
Toem----------	45	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7533:							
Rock outcrop, granitic	40	Not rated		Not rated		Not rated	
Cagwin	10	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Cassenai gravelly loamy coarse sand	5	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Sandiness	0.50	Rock fragments	0.50
7541:							
Ubaj	80	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Christopher loamy coarse sand	5	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Jabu	5	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Oneidas	5	Well suited		Well suited		Well suited	
Gefo gravelly loamy coarse sand	3	Well suited		Moderately suited		Well suited	
				Rock fragments	0.50		
Marla	2	Well suited		Well suited		Moderately suited	
						Wetness	0.50
9001:							
Bidart mucky silt loam	50	Well suited		Well suited		Poorly suited	
						Low strength	1.00
						Wetness	1.00
Bidart, wet	30	Well suited		Well suited		Poorly suited	
						Low strength	1.00
						Wetness	1.00
Tahoe, gravelly	5	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
Tahoe silt loam	5	Well suited		Moderately suited		Poorly suited	
				Rock fragments	0.50	Low strength	1.00
						Wetness	1.00
Watah	5	Well suited		Moderately suited		Poorly suited	
				Rock fragments	0.50	Wetness	1.00

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9001:							
Water	3	Not rated		Not rated		Not rated	
Hellhole	2	Moderately suited		Poorly suited		Poorly suited	
		Wetness	0.50	Wetness	0.75	Low strength	1.00
						Wetness	1.00
9011:							
Oxyaquic Cryorthents	30	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
Aquic Xerorthents	28	Well suited		Moderately suited		Well suited	
				Slope	0.50		
Tahoe, gravelly	15	Moderately suited		Moderately suited		Poorly suited	
		Sandiness	0.50	Sandiness	0.50	Low strength	1.00
				Rock fragments	0.50	Wetness	1.00
						Sandiness	0.50
Bidart mucky silt loam	10	Well suited		Well suited		Poorly suited	
						Low strength	1.00
						Wetness	1.00
Watah	10	Well suited		Moderately suited		Poorly suited	
				Rock fragments	0.50	Wetness	1.00
Marla	5	Well suited		Well suited		Moderately suited	
						Wetness	0.50
Riverwash	2	Not rated		Not rated		Not rated	
9101:							
Callat	82	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Rock fragments	0.50
				Rock fragments	0.50	Slope	0.50
Glenalpine	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	0.50
Meeks, extremely bouldery	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Tallac, very stony	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
Rock outcrop	2	Not rated		Not rated		Not rated	
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9102:							
Callat	82	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Glenalpine	5	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	0.50
Meeks, extremely bouldery	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	0.75	Slope	1.00
Tallac, very stony	5	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.75		
Rock outcrop	2	Not rated		Not rated		Not rated	
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
9111:							
Florand	40	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Slope	1.00	Slope	0.50
				Rock fragments	0.50		
Lostridge	30	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Slope	1.00	Slope	0.50
				Rock fragments	0.75		
Fishsnooze	15	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Slope	1.00	Slope	0.50
				Rock fragments	0.75		
Aquic Haplocryolls	3	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Rock fragments	0.50	Sandiness	0.50
		Rock fragments	0.50	Sandiness	0.50		
				Slope	0.50		
Lithnip, moist	3	Unsuited		Unsuited		Moderately suited	
		Restrictive layer	1.00	Restrictive layer	1.00	Sandiness	0.50
		Sandiness	0.50	Rock fragments	0.75		
		Rock fragments	0.50	Slope	0.75		
				Sandiness	0.50		
Stumpatil	3	Well suited		Poorly suited		Well suited	
				Slope	0.75		
				Rock fragments	0.50		
Lithnip	2	Unsuited		Unsuited		Poorly suited	
		Restrictive layer	1.00	Restrictive layer	1.00	Slope	1.00
		Sandiness	0.50	Slope	1.00	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75		
		Slope	0.50	Sandiness	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9111:							
Morscour	2	Poorly suited		Poorly suited		Moderately suited	
		Restrictive layer	0.75	Slope	0.75	Sandiness	0.50
		Sandiness	0.50	Rock fragments	0.75		
		Rock fragments	0.50	Sandiness	0.50		
Typic Cryaquolls	2	Moderately suited		Poorly suited		Poorly suited	
		Sandiness	0.50	Slope	0.75	Wetness	1.00
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50		
9121:							
Watsonlake	80	Unsuited		Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.50		
Jorge very cobbly fine sandy loam	5	Unsuited		Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.50		
Sky	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
Tahoma	5	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Rock fragments	0.75		
				Slope	0.50		
Waca	2	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Ellispeak	1	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
Rock outcrop	1	Not rated		Not rated		Not rated	
9122:							
Watsonlake	80	Unsuited		Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Jorge very cobbly fine sandy loam	5	Unsuited		Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Tahoma	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9122:							
Waca	5	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
		Sandiness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Sky	2	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
Ellispeak	1	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
				Rock fragments	0.75	Slope	0.50
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
Rock outcrop	1	Not rated		Not rated		Not rated	
9123:							
Watsonlake	80	Unsuited		Unsuited		Poorly suited	
		Rock fragments	1.00	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	1.00	Slope	1.00
Jorge very cobbly fine sandy loam	5	Unsuited		Unsuited		Poorly suited	
		Rock fragments	1.00	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
Tahoma	5	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.75		
Waca	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.50		
		Slope	0.50	Sandiness	0.50		
Sky	2	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75		
Ellispeak	1	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
Rock outcrop	1	Not rated		Not rated		Not rated	

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9131:							
Lithnip	40	Unsuited		Unsuited		Poorly suited	
		Restrictive layer	1.00	Restrictive layer	1.00	Slope	1.00
		Sandiness	0.50	Slope	1.00	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75		
		Slope	0.50	Sandiness	0.50		
Meiss	30	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Slope	1.00	Slope	0.50
				Rock fragments	0.75		
Hawkinspeak	15	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
Lostridge	4	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Slope	1.00	Slope	0.50
				Rock fragments	0.75		
Fishsnooze	3	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.75		
Rock outcrop	3	Not rated		Not rated		Not rated	
Hawkinspeak, moist	2	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.75		
Aspocket	1	Well suited		Poorly suited		Well suited	
				Slope	0.75		
				Rock fragments	0.50		
Hawkridge	1	Moderately suited		Poorly suited		Well suited	
		Rock fragments	0.50	Slope	0.75		
				Rock fragments	0.75		
Typic Cryaquolls	1	Moderately suited		Poorly suited		Poorly suited	
		Sandiness	0.50	Rock fragments	0.75	Wetness	1.00
		Rock fragments	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
9141:							
Melody	55	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	
Sky	10	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
Mountrose	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9141:							
Wardcreek	2	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Lithnip	1	Unsuited		Unsuited		Poorly suited	
		Restrictive layer	1.00	Restrictive layer	1.00	Slope	1.00
		Sandiness	0.50	Slope	1.00	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75		
		Slope	0.50	Sandiness	0.50		
Meiss	1	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Slope	1.00	Slope	0.50
				Rock fragments	0.75		
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
9142:							
Melody	55	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	1.00	Slope	1.00
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	
Sky	10	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75		
Mountrose	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Wardcreek	2	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Lithnip	1	Unsuited		Unsuited		Poorly suited	
		Restrictive layer	1.00	Restrictive layer	1.00	Slope	1.00
		Sandiness	0.50	Slope	1.00	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75		
		Slope	0.50	Sandiness	0.50		
Meiss	1	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Slope	1.00	Slope	0.50
				Rock fragments	0.75		
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9143:							
Melody	55	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	
Sky	10	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75		
Mountrose	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Wardcreek	2	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Lithnip	1	Unsuited		Unsuited		Poorly suited	
		Restrictive layer	1.00	Restrictive layer	1.00	Slope	1.00
		Sandiness	0.50	Slope	1.00	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75		
		Slope	0.50	Sandiness	0.50		
Meiss	1	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Slope	1.00	Slope	0.50
				Rock fragments	0.75		
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
9151:							
Shakespeare	80	Moderately suited		Poorly suited		Moderately suited	
		Stickiness; high plasticity index	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
		Rock fragments	0.50	Stickiness; high plasticity index	0.50		
Deerhill	5	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Slope	0.50
				Rock fragments	0.50		
Mountrose	4	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Melody	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	1.00	Slope	1.00

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9151:							
Wardcreek	3	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Dagget very gravelly loamy coarse sand	2	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
Temo	1	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Witefels	1	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
				Rock fragments	0.75	Slope	0.50
9152:							
Shakespeare	80	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Stickiness; high plasticity index	0.50	Rock fragments	0.75	Rock fragments	0.50
		Rock fragments	0.50	Stickiness; high plasticity index	0.50		
Deerhill	5	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Mountrose	4	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Melody	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	1.00	Slope	1.00
Wardcreek	3	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Dagget very gravelly loamy coarse sand	2	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9152:							
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
Temo	1	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Witefels	1	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	1.00
9161:							
Sky	80	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
Melody	10	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Mountrose	4	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Wardcreek	3	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Lithnip	1	Unsuited		Unsuited		Poorly suited	
		Restrictive layer	1.00	Restrictive layer	1.00	Slope	1.00
		Sandiness	0.50	Slope	1.00	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75		
		Slope	0.50	Sandiness	0.50		
Meiss	1	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Slope	1.00	Slope	0.50
				Rock fragments	0.75		
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
9162:							
Sky	80	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75		
Melody	10	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	1.00	Slope	1.00

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9162:							
Mountrose	4	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Wardcreek	3	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Lithnip	1	Unsuited		Unsuited		Poorly suited	
		Restrictive layer	1.00	Restrictive layer	1.00	Slope	1.00
		Sandiness	0.50	Slope	1.00	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75		
		Slope	0.50	Sandiness	0.50		
Meiss	1	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Slope	1.00	Slope	0.50
				Rock fragments	0.75		
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
9163:							
Sky	80	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75		
Melody	10	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
Mountrose	4	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Wardcreek	3	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Lithnip	1	Unsuited		Unsuited		Poorly suited	
		Restrictive layer	1.00	Restrictive layer	1.00	Slope	1.00
		Sandiness	0.50	Slope	1.00	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75		
		Slope	0.50	Sandiness	0.50		
Meiss	1	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Slope	1.00	Slope	0.50
				Rock fragments	0.75		
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9164:							
Sky	50	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Slope	0.50
				Rock fragments	0.75		
Melody	40	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
				Slope	0.75	Slope	0.50
Mountrose	4	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Wardcreek	3	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Lithnip	1	Unsuited		Unsuited		Poorly suited	
		Restrictive layer	1.00	Restrictive layer	1.00	Slope	1.00
		Sandiness	0.50	Slope	1.00	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75		
		Slope	0.50	Sandiness	0.50		
Meiss	1	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Slope	1.00	Slope	0.50
				Rock fragments	0.75		
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
9165:							
Sky	50	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75		
Melody	40	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	1.00	Slope	1.00
Mountrose	4	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Wardcreek	3	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Lithnip	1	Unsuited		Unsuited		Poorly suited	
		Restrictive layer	1.00	Restrictive layer	1.00	Slope	1.00
		Sandiness	0.50	Slope	1.00	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75		
		Slope	0.50	Sandiness	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9165:							
Meiss	1	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Slope	1.00	Slope	0.50
				Rock fragments	0.75		
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
9166:							
Sky	50	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75		
Melody	40	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	1.00	Rock fragments	1.00
Mountrose	4	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Wardcreek	3	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Lithnip	1	Unsuited		Unsuited		Poorly suited	
		Restrictive layer	1.00	Restrictive layer	1.00	Slope	1.00
		Sandiness	0.50	Slope	1.00	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75		
		Slope	0.50	Sandiness	0.50		
Meiss	1	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Slope	1.00	Slope	0.50
				Rock fragments	0.75		
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
9171:							
Mountrose	35	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Wardcreek	25	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50		
Melody	20	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Slope	0.50	Rock fragments	1.00	Slope	1.00

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9171:							
Meiss	5	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Slope	1.00	Slope	0.50
				Rock fragments	0.75		
Rock outcrop	5	Not rated		Not rated		Not rated	
Rubble land	5	Not rated		Not rated		Not rated	
Sky	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75		
9401:							
Dagget very gravelly loamy coarse sand	75	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Temo	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Witefels	4	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
				Rock fragments	0.75	Slope	0.50
Jobsis	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
Rock outcrop	3	Not rated		Not rated		Not rated	
Whittell	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
Cagwin	2	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Cassenai, moist	2	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Rock fragments	0.50
				Rock fragments	0.50	Slope	0.50
Toem	2	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9402:							
Dagget very gravelly loamy coarse sand	75	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Temo	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Witefels	4	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	1.00
Jobsis	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Rock outcrop	3	Not rated		Not rated		Not rated	
Whittell	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Cagwin	2	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Cassenai, moist	2	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50	Rock fragments	0.50
Toem	2	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
9403:							
Dagget very gravelly loamy coarse sand	75	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9403:							
Temo	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Witefels	4	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	1.00
Jobsis	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Rock outcrop	3	Not rated		Not rated		Not rated	
Whittell	3	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Cagwin	2	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Cassenai, moist	2	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50	Rock fragments	0.50
Toem	2	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
9404:							
Dagget, moist	80	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.50	Sandiness	0.50
				Sandiness	0.50		
Cassenai, moist	5	Well suited		Moderately suited		Moderately suited	
				Rock fragments	0.50	Rock fragments	0.50
				Slope	0.50		
Rockbound very gravelly loam	5	Unsuited		Unsuited		Poorly suited	
		Restrictive layer	1.00	Rock fragments	1.00	Rock fragments	1.00
		Rock fragments	0.75	Restrictive layer	1.00	Sandiness	0.50
		Sandiness	0.50	Slope	0.50		
				Sandiness	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9404:							
Jobsis	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
Oxyaquic Cryorthents	2	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
Temo	2	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.50	Sandiness	0.50
				Sandiness	0.50		
Whittell	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
Witefels	2	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
				Slope	0.50		
9405:							
Dagget, moist	80	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Cassenai, moist	5	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Rock fragments	0.50
				Rock fragments	0.50	Slope	0.50
Rockbound very gravelly loam	5	Unsuited		Unsuited		Poorly suited	
		Restrictive layer	1.00	Rock fragments	1.00	Rock fragments	1.00
		Rock fragments	0.75	Restrictive layer	1.00	Sandiness	0.50
		Sandiness	0.50	Slope	0.50		
				Sandiness	0.50		
Jobsis	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
Oxyaquic Cryorthents	2	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
Temo	2	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9405:							
Whittell	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
Witefels	2	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
				Rock fragments	0.75	Slope	0.50
9406:							
Dagget, moist	80	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Cassenai, moist	5	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50	Rock fragments	0.50
Rockbound very stony loam	5	Unsuited		Unsuited		Poorly suited	
		Rock fragments	1.00	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Jobsis	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Oxyaquic Cryorthents	2	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
Temo	2	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Whittell	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Witefels	2	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	1.00
9407:							
Dagget, moist	55	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Rock outcrop, granitic	25	Not rated		Not rated		Not rated	

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9407:							
Temo	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Witefels	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	1.00
Whittell	4	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Cassenai, moist	2	Moderately suited		Unsuited		Poorly suited	
		Slope	0.50	Slope	1.00	Slope	1.00
				Rock fragments	0.50	Rock fragments	0.50
Jobsis	2	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Oxyaquic Cryorthents	2	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
9411:							
Freelpeak	50	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50		
Windyridge	25	Moderately suited		Poorly suited		Moderately suited	
		Restrictive layer	0.50	Slope	0.75	Sandiness	0.50
		Sandiness	0.50	Rock fragments	0.75	Slope	0.50
		Rock fragments	0.50	Sandiness	0.50		
Rock outcrop	10	Not rated		Not rated		Not rated	
Jobsis	8	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	1.00	Slope	0.50
				Sandiness	0.50	Sandiness	0.50
Whittell	3	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.50	Sandiness	0.50
		Rock fragments	0.50	Sandiness	0.50		
Waterpeak	2	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Slope	0.50
				Sandiness	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9411:							
Buggin	1	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	1.00	Slope	0.50
		Restrictive layer	0.50	Sandiness	0.50	Sandiness	0.50
Glaciers	1	Not rated		Not rated		Not rated	
9421:							
Jobsis	45	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
Whittell	25	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Rock outcrop	15	Not rated		Not rated		Not rated	
Typic Cryorthents, 8 to 30 percent slopes	4	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.75		
				Sandiness	0.50		
Windyridge	4	Moderately suited		Poorly suited		Moderately suited	
		Restrictive layer	0.50	Slope	0.75	Sandiness	0.50
		Sandiness	0.50	Rock fragments	0.75		
		Rock fragments	0.50	Sandiness	0.50		
Klauspeak	2	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
				Rock fragments	0.50		
Shalgran	2	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
		Slope	0.50	Sandiness	0.50		
Buggin	1	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
		Restrictive layer	0.50	Sandiness	0.50		
Typic Cryorthents, 4 to 30 percent slopes	1	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
		Rock fragments	0.50	Slope	0.75		
				Sandiness	0.50		
Waterpeak	1	Moderately suited		Poorly suited		Well suited	
		Sandiness	0.50	Slope	0.75		
		Rock fragments	0.50	Rock fragments	0.75		
				Sandiness	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9431:							
Sofgran	40	Moderately suited		Unsuited		Moderately suited	
		Rock fragments	0.50	Slope	1.00	Rock fragments	0.50
		Sandiness	0.50	Rock fragments	0.75	Slope	0.50
				Sandiness	0.50	Sandiness	0.50
Klauspeak	30	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Slope	0.50
				Sandiness	0.50	Sandiness	0.50
Temo	15	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Slope	0.50
				Sandiness	0.50	Sandiness	0.50
Rock outcrop	4	Not rated		Not rated		Not rated	
Shalgran	4	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
		Slope	0.50	Sandiness	0.50		
Xeric Humicryepts	3	Moderately suited		Unsuited		Moderately suited	
		Sandiness	0.50	Slope	1.00	Slope	0.50
				Sandiness	0.50	Sandiness	0.50
				Rock fragments	0.50		
Stumpatil	2	Well suited		Poorly suited		Well suited	
				Slope	0.75		
				Rock fragments	0.50		
Aquic Haplocryolls	1	Moderately suited		Poorly suited		Moderately suited	
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
		Rock fragments	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Hopeval	1	Well suited		Moderately suited		Poorly suited	
				Slope	0.50	Wetness	1.00
						Low strength	0.50
9441:							
Temo	45	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.50	Sandiness	0.50
				Sandiness	0.50		
Witefels	35	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
				Slope	0.50		
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9441:							
Cagwin	4	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	0.50
		Sandiness	0.50	Slope	0.50	Sandiness	0.50
				Sandiness	0.50		
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
9442:							
Temo	45	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Witefels	35	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	1.00
				Rock fragments	0.75	Slope	0.50
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Moderately suited		Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Cagwin	4	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Rock fragments	0.50
		Sandiness	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50	Slope	0.50
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
9443:							
Temo	45	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Witefels	35	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9443:							
Cagwin	4	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Sandiness	0.50	Rock fragments	0.75	Rock fragments	0.50
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
9444:							
Temo	45	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Witefels	35	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	1.00
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Cagwin	4	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75	Rock fragments	0.50
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
Oxyaquic Cryorthents	1	Moderately suited		Moderately suited		Moderately suited	
		Sandiness	0.50	Sandiness	0.50	Sandiness	0.50
				Slope	0.50		
				Rock fragments	0.50		
9451:							
Waterpeak	80	Moderately suited		Unsuited		Poorly suited	
		Rock fragments	0.50	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	0.75	Slope	1.00
		Slope	0.50	Sandiness	0.50		
Rock outcrop	10	Not rated		Not rated		Not rated	
Shalgran	4	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
		Slope	0.50	Sandiness	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9451:							
Typic Cryorthents---	4	Moderately suited		Unsuited		Moderately suited	
		Sandiness	0.50	Slope	1.00	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50		
Pachic Haplocryolls	2	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50		
				Rock fragments	0.50		
9461:							
Whittell----------	45	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.50	Sandiness	0.50
		Rock fragments	0.50	Sandiness	0.50		
Jobsis----------	25	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
Rock outcrop--------	15	Not rated		Not rated		Not rated	
Jobsis, 8 to 30 percent slopes-----	4	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Rock fragments	1.00	Rock fragments	1.00
		Sandiness	0.50	Slope	0.75	Sandiness	0.50
				Sandiness	0.50		
Windyridge----------	4	Moderately suited		Poorly suited		Moderately suited	
		Restrictive layer	0.50	Slope	0.75	Sandiness	0.50
		Sandiness	0.50	Rock fragments	0.75		
		Rock fragments	0.50	Sandiness	0.50		
Klauspeak----------	2	Moderately suited		Unsuited		Moderately suited	
		Sandiness	0.50	Slope	1.00	Slope	0.50
				Sandiness	0.50	Sandiness	0.50
				Rock fragments	0.50		
Shalgran----------	2	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
		Slope	0.50	Sandiness	0.50		
Buggin----------	1	Poorly suited		Unsuited		Poorly suited	
		Rock fragments	0.75	Slope	1.00	Rock fragments	1.00
		Sandiness	0.50	Rock fragments	1.00	Slope	1.00
		Slope	0.50	Sandiness	0.50	Sandiness	0.50
		Restrictive layer	0.50				
Typic Cryorthents---	1	Moderately suited		Unsuited		Moderately suited	
		Sandiness	0.50	Slope	1.00	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.75	Sandiness	0.50
				Sandiness	0.50		

Table 8.--Forestland Planting and Harvesting--Continued

Map symbol and component name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9461:							
Waterpeak	1	Moderately suited		Unsuited		Poorly suited	
		Sandiness	0.50	Slope	1.00	Slope	1.00
		Slope	0.50	Rock fragments	0.75		
		Rock fragments	0.50	Sandiness	0.50		
W:							
Water	100	Not rated		Not rated		Not rated	

Table 9.--Forestland Site Preparation

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table)

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7011:					
Beaches	64	Not rated		Not rated	
Oxyaquic Xeropsamments	10	Well suited		Unsuited Wetness	1.00
Watah	7	Well suited		Unsuited Wetness	1.00
Gefo, barrier beach	6	Well suited		Well suited	
Marla	5	Well suited		Unsuited Wetness	1.00
Cagwin	1	Poorly suited Rock fragments	0.50	Poorly suited Rock fragments	0.50
Cassenai gravelly loamy coarse sand	1	Poorly suited Rock fragments	0.50	Poorly suited Rock fragments	0.50
Dunes	1	Not rated		Not rated	
Jorge very gravelly sandy loam	1	Poorly suited Rock fragments	0.50	Poorly suited Rock fragments	0.50
Rock outcrop	1	Not rated		Not rated	
Tahoe silt loam	1	Well suited		Unsuited Wetness	1.00
Tahoma	1	Poorly suited Rock fragments	0.50	Well suited	
Toem	1	Poorly suited Slope	0.50	Poorly suited Slope	0.50
7021:					
Hellhole	80	Poorly suited Wetness	0.50	Unsuited Wetness	1.00
Bidart, wet	10	Well suited		Unsuited Wetness	1.00
Watah	5	Well suited		Unsuited Wetness	1.00
Water	5	Not rated		Not rated	

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7031:					
Pits	45	Not rated		Not rated	
Dumps	45	Not rated		Not rated	
Arents	5	Not rated		Not rated	
Xerorthents	5	Not rated		Not rated	
7041:					
Tahoe silt loam	55	Well suited		Unsuited Wetness	1.00
Tahoe silt loam, wet	25	Well suited		Unsuited Wetness	1.00
Marla	10	Well suited		Unsuited Wetness	1.00
Tahoe, gravelly	5	Well suited		Unsuited Wetness	1.00
Watah	5	Well suited		Unsuited Wetness	1.00
7042:					
Tahoe, gravelly	55	Well suited		Unsuited Wetness	1.00
Tahoe, gravelly, wet	25	Well suited		Unsuited Wetness	1.00
Marla	5	Well suited		Unsuited Wetness	1.00
Riverwash	5	Not rated		Not rated	
Tahoe silt loam	5	Well suited		Unsuited Wetness	1.00
Watah	5	Well suited		Unsuited Wetness	1.00
7043:					
Tahoe, drained	80	Well suited		Unsuited Wetness	1.00
Marla	5	Well suited		Unsuited Wetness	1.00
Tahoe, gravelly	5	Well suited		Unsuited Wetness	1.00
Tahoe silt loam, wet	5	Well suited		Unsuited Wetness	1.00
Watah	5	Well suited		Unsuited Wetness	1.00

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7051:					
Oxyaquic Xerorthents	60	Well suited		Well suited	
Water	38	Not rated		Not rated	
Marla	1	Well suited		Unsuited	
				Wetness	1.00
Watah	1	Well suited		Unsuited	
				Wetness	1.00
7061:					
Urban land	100	Not rated		Not rated	
7071:					
Watah	75	Well suited		Unsuited	
				Wetness	1.00
Tahoe, gravelly, wet	9	Well suited		Unsuited	
				Wetness	1.00
Tahoe silt loam, wet	8	Well suited		Unsuited	
				Wetness	1.00
Marla	3	Well suited		Unsuited	
				Wetness	1.00
Bidart, wet	2	Well suited		Unsuited	
				Wetness	1.00
Water	2	Not rated		Not rated	
Hellhole	1	Poorly suited		Unsuited	
		Wetness	0.50	Wetness	1.00
7101:					
Caverock	80	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Cagwin	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Cassenai gravelly loamy coarse sand	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.50
Deerhill	3	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Genoapeak	2	Poorly suited		Unsuited	
		Rock fragments	0.50	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Southcamp	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7101:					
Zephyrcove	2	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
Aquic Xerorthents	1	Well suited		Well suited	
7111:					
Deerhill	80	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Cassenai gravelly loamy coarse sand	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.50
Cagwin	3	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Shakespeare	3	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Southcamp	3	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Zephyrcove	3	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Genoapeak	2	Poorly suited		Unsuited	
		Rock fragments	0.50	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Aquic Xerorthents	1	Well suited		Well suited	
7112:					
Deerhill	80	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Cassenai gravelly loamy coarse sand	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Cagwin	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Shakespeare	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Southcamp	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7112:					
Zephyrcove	3	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
Genoapeak	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	1.00
Aquic Xerorthents	1	Well suited		Well suited	
7121:					
Ellispeak	45	Poorly suited		Unsuited	
		Rock fragments	0.50	Restrictive layer	1.00
		Slope	0.50	Slope	0.50
Rock outcrop, volcanic	40	Not rated		Not rated	
Waca	10	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Kneeridge, well drained	2	Well suited		Well suited	
Paige	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Tahoe, gravelly	1	Well suited		Unsuited	
				Wetness	1.00
7122:					
Ellispeak	45	Unsuited		Unsuited	
		Slope	1.00	Restrictive layer	1.00
		Rock fragments	0.50	Slope	1.00
Rock outcrop, volcanic	40	Not rated		Not rated	
Waca	10	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Kneeridge, well drained	3	Well suited		Well suited	
Aquic Xerorthents	1	Well suited		Well suited	
Paige	1	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
7123:					
Ellispeak	45	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Restrictive layer	1.00

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7123:					
Rock outcrop, volcanic	40	Not rated		Not rated	
Waca	10	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Kneeridge, well drained	3	Well suited		Well suited	
Aquic Xerorthents	1	Well suited		Well suited	
Paige	1	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
7131:					
Ellispeak	45	Poorly suited		Unsuited	
		Rock fragments	0.50	Restrictive layer	1.00
		Slope	0.50	Slope	0.50
Waca	40	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Rock outcrop	10	Not rated		Not rated	
Windy	4	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Aquic Xerorthents	1	Well suited		Well suited	
7132:					
Ellispeak	45	Unsuited		Unsuited	
		Slope	1.00	Restrictive layer	1.00
		Rock fragments	0.50	Slope	1.00
Waca	40	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Rock outcrop	10	Not rated		Not rated	
Windy	4	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Aquic Xerorthents	1	Well suited		Well suited	
7133:					
Ellispeak	45	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Restrictive layer	1.00
Waca	40	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7133:					
Rock outcrop--------	10	Not rated		Not rated	
Windy---------------	4	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Aquic Xerorthents---	1	Well suited		Well suited	
7141:					
Inville-------------	80	Poorly suited		Well suited	
		Rock fragments	0.50		
Christopher loamy coarse sand--------	10	Well suited		Well suited	
Cassenai gravelly loamy coarse sand--	4	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Jorge very gravelly sandy loam---------	3	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Kingsbeach----------	2	Well suited		Well suited	
Aquic Xerorthents---	1	Well suited		Well suited	
7142:					
Inville-------------	80	Poorly suited		Well suited	
		Rock fragments	0.50		
Cassenai gravelly loamy coarse sand--	10	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Christopher gravelly loamy coarse sand--------	4	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Jorge very gravelly sandy loam---------	3	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Meeks, extremely bouldery-----------	2	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
Aquic Xerorthents---	1	Well suited		Well suited	
7143:					
Inville-------------	80	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7143:					
Cassenai gravelly loamy coarse sand--	10	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.50
Christopher gravelly loamy coarse sand--------	4	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Jorge very gravelly sandy loam---------	3	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.50
Meeks, extremely bouldery-----------	2	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Aquic Xerorthents---	1	Well suited		Well suited	
7151:					
Jorge very cobbly fine sandy loam----	80	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
Tahoma--------------	5	Poorly suited		Well suited	
		Rock fragments	0.50		
Waca----------------	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Jorge very cobbly loam---------------	4	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Ellispeak-----------	2	Poorly suited		Unsuited	
		Rock fragments	0.50	Restrictive layer	1.00
		Slope	0.50	Slope	0.50
Sky-----------------	2	Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.50
		Slope	0.50		
Aquic Xerorthents---	1	Well suited		Well suited	
Rock outcrop--------	1	Not rated		Not rated	
7152:					
Jorge very cobbly fine sandy loam----	80	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7152:					
Tahoma	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Waca	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Jorge very cobbly loam	4	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.50
Ellispeak	2	Poorly suited		Unsuited	
		Rock fragments	0.50	Restrictive layer	1.00
		Slope	0.50	Slope	0.50
Sky	2	Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.50
		Slope	0.50		
Aquic Xerorthents	1	Well suited		Well suited	
Rock outcrop	1	Not rated		Not rated	
7153:					
Jorge very cobbly fine sandy loam	80	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Tahoma	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Waca	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Jorge very cobbly loam	4	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.50
Ellispeak	2	Unsuited		Unsuited	
		Slope	1.00	Restrictive layer	1.00
		Rock fragments	0.50	Slope	1.00
Sky	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Aquic Xerorthents	1	Well suited		Well suited	
Rock outcrop	1	Not rated		Not rated	

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7154:					
Jorge very cobbly loam	75	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Rubble land	10	Not rated		Not rated	
Tahoma	5	Poorly suited		Well suited	
		Rock fragments	0.50		
Ellispeak	3	Poorly suited		Unsuited	
		Rock fragments	0.50	Restrictive layer	1.00
		Slope	0.50	Slope	0.50
Rock outcrop	3	Not rated		Not rated	
Waca	3	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Tahoe, gravelly	1	Well suited		Unsuited	
				Wetness	1.00
7155:					
Jorge very cobbly loam	75	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.50
Rubble land	10	Not rated		Not rated	
Tahoma	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Ellispeak	3	Poorly suited		Unsuited	
		Rock fragments	0.50	Restrictive layer	1.00
		Slope	0.50	Slope	0.50
Rock outcrop	3	Not rated		Not rated	
Waca	3	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Tahoe, gravelly	1	Well suited		Unsuited	
				Wetness	1.00
7156:					
Jorge very gravelly sandy loam	45	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.50
Tahoma	35	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7156:					
Waca	10	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Inville	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Rubble land	2	Not rated		Not rated	
Ellispeak	1	Poorly suited		Unsuited	
		Rock fragments	0.50	Restrictive layer	1.00
		Slope	0.50	Slope	0.50
Rock outcrop	1	Not rated		Not rated	
Tahoe, gravelly	1	Well suited		Unsuited	
				Wetness	1.00
7157:					
Jorge very gravelly sandy loam	55	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Tahoma	25	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Waca	10	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Inville	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Rubble land	2	Not rated		Not rated	
Ellispeak	1	Unsuited		Unsuited	
		Slope	1.00	Restrictive layer	1.00
		Rock fragments	0.50	Slope	1.00
Rock outcrop	1	Not rated		Not rated	
Tahoe, gravelly	1	Well suited		Unsuited	
				Wetness	1.00
7161:					
Kingsbeach	80	Well suited		Well suited	
Tahoma	10	Poorly suited		Well suited	
		Rock fragments	0.50		
Jorge very gravelly sandy loam	8	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7161:					
Beaches	1	Not rated		Not rated	
Dunes	1	Not rated		Not rated	
7171:					
Kneeridge, extremely stony	80	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Jorge very gravelly sandy loam	9	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Paige	5	Well suited		Well suited	
Waca	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Tahoe, gravelly	1	Well suited		Unsuited	
				Wetness	1.00
7172:					
Kneeridge, well drained	80	Well suited		Well suited	
Jorge very gravelly sandy loam	9	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Paige	5	Well suited		Well suited	
Waca	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Tahoe, gravelly	1	Well suited		Unsuited	
				Wetness	1.00
7173:					
Kneeridge, very stony	80	Well suited		Well suited	
Jorge very gravelly sandy loam	9	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Paige	5	Well suited		Well suited	
Waca	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Tahoe, gravelly	1	Well suited		Unsuited	
				Wetness	1.00

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7174:					
Kneeridge, very stony	80	Well suited		Well suited	
Jorge very gravelly sandy loam	9	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Paige	5	Well suited		Well suited	
Waca	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Tahoe, gravelly	1	Well suited		Unsuited	
				Wetness	1.00
7181:					
Paige	80	Well suited		Well suited	
Kneeridge, well drained	7	Well suited		Well suited	
Jorge very gravelly sandy loam	6	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Tahoe, gravelly	5	Well suited		Unsuited	
				Wetness	1.00
Waca	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
7182:					
Paige	80	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Jorge very gravelly sandy loam	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.50
Tahoma	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Waca	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Kneeridge, well drained	4	Well suited		Well suited	
Tahoe, gravelly	1	Well suited		Unsuited	
				Wetness	1.00

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7183:					
Paige	84	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Jorge very gravelly sandy loam	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Tahoma	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Waca	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Tahoe, gravelly	1	Well suited		Unsuited	
				Wetness	1.00
7191:					
Rock outcrop, volcanic	90	Not rated		Not rated	
Glenalpine	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Lithnip	2	Unsuited		Unsuited	
		Restrictive layer	1.00	Restrictive layer	1.00
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Meiss	2	Poorly suited		Unsuited	
		Slope	0.50	Restrictive layer	1.00
				Slope	0.50
Melody	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Rubble land	2	Not rated		Not rated	
7201:					
Rubble land, talus	45	Not rated		Not rated	
Glenalpine	40	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Rock outcrop	10	Not rated		Not rated	
Rockbound very stony loam	5	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
				Restrictive layer	1.00

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7211:					
Southcamp	80	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Cassenai gravelly loamy coarse sand	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Genoapeak	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	1.00
Zephyrcove	5	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
Cagwin	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Deerhill	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Aquic Xerorthents	1	Well suited		Well suited	
7221:					
Tahoma	80	Poorly suited		Well suited	
		Rock fragments	0.50		
Waca	10	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Inville	4	Poorly suited		Well suited	
		Rock fragments	0.50		
Rubble land	3	Not rated		Not rated	
Aquic Xerorthents	1	Well suited		Well suited	
Ellispeak	1	Poorly suited		Unsuited	
		Rock fragments	0.50	Restrictive layer	1.00
		Slope	0.50	Slope	0.50
Rock outcrop	1	Not rated		Not rated	
7222:					
Tahoma	50	Poorly suited		Well suited	
		Rock fragments	0.50		
Jorge very gravelly sandy loam	30	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7222:					
Waca	10	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Inville	5	Poorly suited		Well suited	
		Rock fragments	0.50		
Rubble land	2	Not rated		Not rated	
Ellispeak	1	Poorly suited		Unsuited	
		Rock fragments	0.50	Restrictive layer	1.00
		Slope	0.50	Slope	0.50
Rock outcrop	1	Not rated		Not rated	
Tahoe, gravelly	1	Well suited		Unsuited	
				Wetness	1.00
7231:					
Waca	80	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Ellispeak	5	Poorly suited		Unsuited	
		Rock fragments	0.50	Restrictive layer	1.00
		Slope	0.50	Slope	0.50
Rock outcrop	5	Not rated		Not rated	
Windy	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Kneeridge, well drained	2	Well suited		Well suited	
Paige	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Aquic Xerorthents	1	Well suited		Well suited	
7232:					
Waca	80	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Ellispeak	5	Unsuited		Unsuited	
		Slope	1.00	Restrictive layer	1.00
		Rock fragments	0.50	Slope	1.00
Rock outcrop	5	Not rated		Not rated	
Windy	4	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7232:					
Kneeridge, well drained	2	Well suited		Well suited	
Paige	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Aquic Xerorthents	1	Well suited		Well suited	
Typic Epiaquents	1	Well suited		Well suited	
7233:					
Waca	80	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Ellispeak	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Restrictive layer	1.00
Rock outcrop	5	Not rated		Not rated	
Windy	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Kneeridge, well drained	2	Well suited		Well suited	
Paige	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Aquic Xerorthents	1	Well suited		Well suited	
7241:					
Zephyrcove	50	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Southcamp	20	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Genoapeak	17	Poorly suited		Unsuited	
		Rock fragments	0.50	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Cagwin	5	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Cassenai gravelly loamy coarse sand	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.50
Deerhill	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Aquic Xerorthents	1	Well suited		Well suited	

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7242:					
Zephyrcove	50	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
Southcamp	20	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Genoapeak	17	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	1.00
Cagwin	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Cassenai gravelly loamy coarse sand	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Deerhill	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Aquic Xerorthents	1	Well suited		Well suited	
7401:					
Burnlake	60	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Roadcat	25	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Hardtil	4	Poorly suited		Unsuited	
		Slope	0.50	Restrictive layer	1.00
		Rock fragments	0.50	Slope	0.50
Aquic Haplocryolls	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Aspetill	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Cumulic Cryaquolls	2	Poorly suited		Unsuited	
		Rock fragments	0.50	Wetness	1.00
		Slope	0.50	Slope	0.50
Stumpatil	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Typic Haploxerepts	2	Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.50
		Slope	0.50		
Rock outcrop	1	Not rated		Not rated	

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7411:					
Cagwin	50	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Toem	10	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Dagget very gravelly loamy coarse sand	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Temo	2	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
Witefels	2	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
Marla	1	Well suited		Unsuited	
				Wetness	1.00
7412:					
Cagwin	50	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.50
Toem	10	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Dagget very gravelly loamy coarse sand	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Temo	2	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Witefels	2	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7412:					
Marla	1	Well suited		Unsuited	
				Wetness	1.00
7413:					
Cagwin	50	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Toem	10	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Dagget very gravelly loamy coarse sand	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Temo	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Witefels	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Marla	1	Well suited		Unsuited	
				Wetness	1.00
7414:					
Cagwin	50	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Toem	10	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Dagget very gravelly loamy coarse sand	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7414:					
Temo	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Witefels	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Marla	1	Well suited		Unsuited	
				Wetness	1.00
7421:					
Cassenai gravelly loamy coarse sand	78	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Cagwin	12	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Toem	4	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Rock outcrop	3	Not rated		Not rated	
Christopher gravelly loamy coarse sand	1	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Christopher loamy coarse sand	1	Well suited		Well suited	
Marla	1	Well suited		Unsuited	
				Wetness	1.00
7422:					
Cassenai gravelly loamy coarse sand	73	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.50
Cagwin	12	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Dagget very gravelly loamy coarse sand	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Toem	4	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Aquic Xerorthents	2	Well suited		Well suited	

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7422:					
Christopher gravelly loamy coarse sand	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Rock outcrop	2	Not rated		Not rated	
7423:					
Cassenai gravelly loamy coarse sand	78	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Cagwin	12	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Toem	4	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Rock outcrop	3	Not rated		Not rated	
Christopher gravelly loamy coarse sand	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Aquic Xerorthents	1	Well suited		Well suited	
7424:					
Cassenai gravelly loamy coarse sand	78	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Cagwin	12	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Toem	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Rock outcrop	4	Not rated		Not rated	
Aquic Xerorthents	1	Well suited		Well suited	
7425:					
Cassenai, moist	80	Poorly suited		Well suited	
		Rock fragments	0.50		
Cagwin	5	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Meeks, extremely bouldery	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7425:					
Tallac, very stony--	5	Well suited		Poorly suited	
				Rock fragments	0.50
Rock outcrop--------	2	Not rated		Not rated	
Toem----------	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Marla----------	1	Well suited		Unsuited	
				Wetness	1.00
7426:					
Cassenai, moist-----	80	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Cagwin----------	5	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Tallac, very stony--	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
				Rock fragments	0.50
Meeks, extremely bouldery----------	4	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Rock outcrop--------	2	Not rated		Not rated	
Toem----------	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Aquic Xerorthents---	1	Well suited		Well suited	
Marla----------	1	Well suited		Unsuited	
				Wetness	1.00
7427:					
Cassenai, moist-----	80	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Cagwin----------	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Meeks, extremely bouldery----------	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Toem----------	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7427:					
Rock outcrop	2	Not rated		Not rated	
Tallac, very stony	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
				Rock fragments	0.50
Aquic Xerorthents	1	Well suited		Well suited	
7428:					
Cassenai, moist	80	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Cagwin	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Meeks, extremely bouldery	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Toem	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Rock outcrop	2	Not rated		Not rated	
Tallac, very stony	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
				Rock fragments	0.50
Aquic Xerorthents	1	Well suited		Well suited	
7431:					
Celio	80	Well suited		Well suited	
Meeks, stony	7	Poorly suited		Well suited	
		Rock fragments	0.50		
Tahoe, gravelly	5	Well suited		Unsuited	
				Wetness	1.00
Marla	4	Well suited		Unsuited	
				Wetness	1.00
Watah	4	Well suited		Unsuited	
				Wetness	1.00
7441:					
Christopher loamy coarse sand	80	Well suited		Well suited	
Gefo gravelly loamy coarse sand	10	Well suited		Well suited	

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7441:					
Jabu	5	Well suited		Well suited	
Oneidas	3	Well suited		Well suited	
Marla	2	Well suited		Unsuited Wetness	1.00
7442:					
Christopher loamy coarse sand	80	Poorly suited Slope	0.50	Poorly suited Slope	0.50
Gefo gravelly loamy coarse sand	10	Well suited		Well suited	
Jabu	5	Poorly suited Slope	0.50	Poorly suited Slope	0.50
Oneidas	3	Well suited		Well suited	
Marla	2	Well suited		Unsuited Wetness	1.00
7443:					
Christopher gravelly loamy coarse sand	80	Poorly suited Slope	0.50	Poorly suited Slope	0.50
Gefo gravelly loamy coarse sand	10	Well suited		Well suited	
Jabu	5	Poorly suited Slope	0.50	Poorly suited Slope	0.50
Oneidas	3	Well suited		Well suited	
Marla	2	Well suited		Unsuited Wetness	1.00
7444:					
Christopher loamy coarse sand	45	Well suited		Well suited	
Gefo gravelly loamy coarse sand	35	Well suited		Well suited	
Jabu	5	Well suited		Well suited	
Marla	5	Well suited		Unsuited Wetness	1.00
Oneidas	5	Well suited		Well suited	
Ubaj	5	Well suited		Well suited	

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7451:					
Gefo gravelly loamy coarse sand	80	Well suited		Well suited	
Christopher loamy coarse sand	10	Well suited		Well suited	
Jabu	5	Well suited		Well suited	
Oneidas	3	Well suited		Well suited	
Marla	2	Well suited		Unsuited Wetness	1.00
7452:					
Gefo gravelly loamy coarse sand	80	Well suited		Well suited	
Christopher loamy coarse sand	10	Poorly suited Slope	0.50	Poorly suited Slope	0.50
Jabu	5	Poorly suited Slope	0.50	Poorly suited Slope	0.50
Oneidas	3	Well suited		Well suited	
Marla	2	Well suited		Unsuited Wetness	1.00
7461:					
Jabu	80	Well suited		Well suited	
Christopher loamy coarse sand	10	Well suited		Well suited	
Oneidas	5	Well suited		Well suited	
Gefo gravelly loamy coarse sand	3	Well suited		Well suited	
Marla	2	Well suited		Unsuited Wetness	1.00
7462:					
Jabu	80	Poorly suited Slope	0.50	Poorly suited Slope	0.50
Christopher loamy coarse sand	10	Poorly suited Slope	0.50	Poorly suited Slope	0.50
Oneidas	5	Well suited		Well suited	
Gefo gravelly loamy coarse sand	3	Well suited		Well suited	
Marla	2	Well suited		Unsuited Wetness	1.00

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7471:					
Marla	80	Well suited		Unsuited Wetness	1.00
Christopher loamy coarse sand	4	Well suited		Well suited	
Gefo gravelly loamy coarse sand	4	Well suited		Well suited	
Tahoe silt loam	4	Well suited		Unsuited Wetness	1.00
Ubaj	4	Well suited		Well suited	
Watah	4	Well suited		Unsuited Wetness	1.00
7481:					
Meeks, stony	85	Poorly suited Rock fragments	0.50	Well suited	
Cassenai gravelly loamy coarse sand	5	Poorly suited Rock fragments	0.50	Poorly suited Rock fragments	0.50
Celio	5	Well suited		Well suited	
Gefo gravelly loamy coarse sand	4	Well suited		Well suited	
Tahoe, gravelly	1	Well suited		Unsuited Wetness	1.00
7482:					
Meeks, stony	80	Poorly suited Rock fragments	0.50	Well suited	
Cassenai gravelly loamy coarse sand	10	Poorly suited Rock fragments	0.50	Poorly suited Rock fragments	0.50
Oneidas	7	Well suited		Well suited	
Celio	3	Well suited		Well suited	
7483:					
Meeks, very stony	85	Poorly suited Rock fragments	0.50	Well suited	
Cassenai gravelly loamy coarse sand	5	Poorly suited Rock fragments	0.50	Poorly suited Rock fragments	0.50
Celio	5	Well suited		Well suited	
Jabu	5	Well suited		Well suited	

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7484:					
Meeks, extremely bouldery	80	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
Burnlake	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Meeks, rubbly	5	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
Dagget, moist	3	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
Tallac, very stony	3	Well suited		Poorly suited	
				Rock fragments	0.50
Roadcat	2	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Aquic Xerorthents	1	Well suited		Well suited	
Jabu	1	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
7485:					
Meeks, extremely bouldery	80	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Burnlake	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Meeks, rubbly	5	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Dagget, moist	3	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Tallac, very stony	3	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
				Rock fragments	0.50
Roadcat	2	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Aquic Xerorthents	1	Well suited		Well suited	
Jabu	1	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7486:					
Meeks, extremely bouldery	80	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Burnlake	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Meeks, rubbly	5	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
Dagget, moist	3	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	1.00	Slope	1.00
Tallac, very stony	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
				Rock fragments	0.50
Roadcat	2	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Aquic Xerorthents	1	Well suited		Well suited	
Jabu	1	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
7487:					
Meeks, rubbly	80	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
Burnlake	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Rockbound very gravelly loam	5	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Restrictive layer	1.00	Restrictive layer	1.00
Roadcat	3	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Cagwin	2	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Cassenai gravelly loamy coarse sand	2	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Aquic Xerorthents	1	Well suited		Well suited	
Rock outcrop	1	Not rated		Not rated	
Rubble land	1	Not rated		Not rated	

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7488:					
Meeks, rubbly-------	80	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Burnlake------------	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Rockbound very gravelly loam------	5	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Restrictive layer	1.00	Restrictive layer	1.00
Roadcat-------------	3	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Cagwin--------------	2	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Cassenai gravelly loamy coarse sand--	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.50
Aquic Xerorthents---	1	Well suited		Well suited	
Rock outcrop--------	1	Not rated		Not rated	
Rubble land---------	1	Not rated		Not rated	
7489:					
Meeks, rubbly-------	80	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
Burnlake------------	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Rockbound very stony loam---------	5	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
				Restrictive layer	1.00
Roadcat-------------	3	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Cassenai gravelly loamy coarse sand--	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7489:					
Aquic Xerorthents---	1	Well suited		Well suited	
Cagwin----------	1	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Rock outcrop--------	1	Not rated		Not rated	
Rubble land---------	1	Not rated		Not rated	
Toem----------	1	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
7491:					
Oneidas----------	80	Well suited		Well suited	
Jabu----------	10	Well suited		Well suited	
Christopher loamy coarse sand--------	3	Well suited		Well suited	
Meeks, stony--------	3	Poorly suited		Well suited	
		Rock fragments	0.50		
Gefo gravelly loamy coarse sand--------	2	Well suited		Well suited	
Marla----------	2	Well suited		Unsuited	
				Wetness	1.00
7492:					
Oneidas----------	80	Well suited		Well suited	
Jabu----------	10	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Christopher loamy coarse sand--------	3	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Meeks, stony--------	3	Poorly suited		Well suited	
		Rock fragments	0.50		
Gefo gravelly loamy coarse sand--------	2	Well suited		Well suited	
Marla----------	2	Well suited		Unsuited	
				Wetness	1.00
7500:					
Rock outcrop, granitic-----------	90	Not rated		Not rated	
Rockbound very stony loam---------	2	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
				Restrictive layer	1.00

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7500:					
Rubble land	2	Not rated		Not rated	
Toem	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Windyridge	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Freelpeak	1	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Jobsis	1	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
7501:					
Rock outcrop, granitic	50	Not rated		Not rated	
Rockbound very gravelly loam	30	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Restrictive layer	1.00	Restrictive layer	1.00
Dagget, moist	5	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
Meeks, rubbly	5	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
Temo	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
Witefels	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
7502:					
Rock outcrop, granitic	50	Not rated		Not rated	
Rockbound very stony loam	25	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
				Restrictive layer	1.00
Dagget, moist	5	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Glenalpine	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Rubble land	5	Not rated		Not rated	

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7502:					
Temo	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Witefels	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
7511:					
Shalgran	70	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
Rock outcrop	15	Not rated		Not rated	
Sofgran	6	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Dystric Xerorthents	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Burnlake	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Jobsis	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Temo	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
7521:					
Tallac, very stony	75	Well suited		Poorly suited	
				Rock fragments	0.50
Tallac, rubbly	10	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Tallac, moderately well drained	9	Well suited		Poorly suited	
				Rock fragments	0.50
Meeks, extremely bouldery	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
Aquic Xerorthents	1	Well suited		Well suited	
7522:					
Tallac, very stony	85	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
				Rock fragments	0.50
Meeks, extremely bouldery	10	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7522:					
Aquic Xerorthents	1	Well suited		Well suited	
Cagwin	1	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Cassenai gravelly loamy coarse sand	1	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.50
Dagget, moist	1	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Rockbound very gravelly loam	1	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Restrictive layer	1.00	Restrictive layer	1.00
7523:					
Tallac, very stony	85	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
				Rock fragments	0.50
Meeks, extremely bouldery	10	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Aquic Xerorthents	1	Well suited		Well suited	
Cagwin	1	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Cassenai gravelly loamy coarse sand	1	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Dagget, moist	1	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	1.00	Slope	1.00
Rockbound very stony loam	1	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
				Restrictive layer	1.00
7524:					
Tallac, moderately well drained	80	Well suited		Poorly suited	
				Rock fragments	0.50

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7524:					
Tallac, moderately well drained, 5 to 9 percent slopes	10	Well suited		Poorly suited Rock fragments	0.50
Meeks, very stony	5	Poorly suited Rock fragments	0.50	Well suited	
Callat	4	Poorly suited Slope Rock fragments	0.50 0.50	Poorly suited Slope	0.50
Tahoe, gravelly	1	Well suited		Unsuited Wetness	1.00
7525:					
Tallac, moderately well drained	80	Well suited		Poorly suited Rock fragments	0.50
Tallac, moderately well drained, 0 to 5 percent slopes	10	Well suited		Poorly suited Rock fragments	0.50
Meeks, extremely bouldery	5	Unsuited Rock fragments	1.00	Poorly suited Rock fragments	0.50
Callat	4	Poorly suited Slope Rock fragments	0.50 0.50	Poorly suited Slope	0.50
Tahoe, gravelly	1	Well suited		Unsuited Wetness	1.00
7526:					
Tallac, rubbly	85	Poorly suited Rock fragments	0.50	Poorly suited Rock fragments	0.50
Tallac, moderately well drained	10	Well suited		Poorly suited Rock fragments	0.50
Tallac, very stony	4	Well suited		Poorly suited Rock fragments	0.50
Aquic Xerorthents	1	Well suited		Well suited	
7531:					
Toem	45	Poorly suited Slope	0.50	Poorly suited Slope	0.50
Rock outcrop, granitic	40	Not rated		Not rated	

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7531:					
Cagwin	10	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Cassenai gravelly loamy coarse sand	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.50
7532:					
Toem	45	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Rock outcrop, granitic	40	Not rated		Not rated	
Cagwin	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Cassenai gravelly loamy coarse sand	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Dagget very gravelly loamy coarse sand	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
7533:					
Toem	45	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Rock outcrop, granitic	40	Not rated		Not rated	
Cagwin	10	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Cassenai gravelly loamy coarse sand	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
7541:					
Ubaj	80	Well suited		Well suited	
Christopher loamy coarse sand	5	Well suited		Well suited	
Jabu	5	Well suited		Well suited	

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7541:					
Oneidas	5	Well suited		Well suited	
Gefo gravelly loamy coarse sand	3	Well suited		Well suited	
Marla	2	Well suited		Unsuited	
				Wetness	1.00
9001:					
Bidart mucky silt loam	50	Well suited		Unsuited	
				Wetness	1.00
Bidart, wet	30	Well suited		Unsuited	
				Wetness	1.00
Tahoe, gravelly	5	Well suited		Unsuited	
				Wetness	1.00
Tahoe silt loam	5	Well suited		Unsuited	
				Wetness	1.00
Watah	5	Well suited		Unsuited	
				Wetness	1.00
Water	3	Not rated		Not rated	
Hellhole	2	Poorly suited		Unsuited	
		Wetness	0.50	Wetness	1.00
9011:					
Oxyaquic Cryorthents	30	Well suited		Well suited	
Aquic Xerorthents	28	Well suited		Well suited	
Tahoe, gravelly	15	Well suited		Unsuited	
				Wetness	1.00
Bidart mucky silt loam	10	Well suited		Unsuited	
				Wetness	1.00
Watah	10	Well suited		Unsuited	
				Wetness	1.00
Marla	5	Well suited		Unsuited	
				Wetness	1.00
Riverwash	2	Not rated		Not rated	
9101:					
Callat	82	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9101:					
Glenalpine	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Meeks, extremely bouldery	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Tallac, very stony	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
				Rock fragments	0.50
Rock outcrop	2	Not rated		Not rated	
Oxyaquic Cryorthents	1	Well suited		Well suited	
9102:					
Callat	82	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Glenalpine	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Meeks, extremely bouldery	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Tallac, very stony	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
				Rock fragments	0.50
Rock outcrop	2	Not rated		Not rated	
Oxyaquic Cryorthents	1	Well suited		Well suited	
9111:					
Florand	40	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Lostridge	30	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Fishsnooze	15	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.50
				Restrictive layer	0.50
Aquic Haplocryolls	3	Poorly suited		Well suited	
		Rock fragments	0.50		

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9111:					
Lithnip, moist	3	Unsuited		Unsuited	
		Restrictive layer	1.00	Restrictive layer	1.00
		Rock fragments	0.50	Slope	0.50
		Slope	0.50		
Stumpatil	3	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Lithnip	2	Unsuited		Unsuited	
		Restrictive layer	1.00	Restrictive layer	1.00
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Morscour	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Typic Cryaquolls	2	Poorly suited		Unsuited	
		Rock fragments	0.50	Wetness	1.00
		Slope	0.50	Slope	0.50
9121:					
Watsonlake	80	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
Jorge very cobbly fine sandy loam	5	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
Sky	5	Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.50
		Slope	0.50		
Tahoma	5	Poorly suited		Well suited	
		Rock fragments	0.50		
Waca	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Ellispeak	1	Poorly suited		Unsuited	
		Rock fragments	0.50	Restrictive layer	1.00
		Slope	0.50	Slope	0.50
Oxyaquic Cryorthents	1	Well suited		Well suited	
Rock outcrop	1	Not rated		Not rated	
9122:					
Watsonlake	80	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Jorge very cobbly fine sandy loam	5	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9122:					
Tahoma	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Waca	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Sky	2	Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.50
		Slope	0.50		
Ellispeak	1	Poorly suited		Unsuited	
		Rock fragments	0.50	Restrictive layer	1.00
		Slope	0.50	Slope	0.50
Oxyaquic Cryorthents	1	Well suited		Well suited	
Rock outcrop	1	Not rated		Not rated	
9123:					
Watsonlake	80	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Jorge very cobbly fine sandy loam	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Tahoma	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Waca	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Sky	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Ellispeak	1	Unsuited		Unsuited	
		Slope	1.00	Restrictive layer	1.00
		Rock fragments	0.50	Slope	1.00
Oxyaquic Cryorthents	1	Well suited		Well suited	
Rock outcrop	1	Not rated		Not rated	
9131:					
Lithnip	40	Unsuited		Unsuited	
		Restrictive layer	1.00	Restrictive layer	1.00
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9131:					
Meiss	30	Poorly suited		Unsuited	
		Slope	0.50	Restrictive layer	1.00
				Slope	0.50
Hawkinspeak	15	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
				Restrictive layer	0.50
Lostridge	4	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Fishsnooze	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
				Restrictive layer	0.50
Rock outcrop	3	Not rated		Not rated	
Hawkinspeak, moist	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Restrictive layer	0.50
Aspocket	1	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Hawkridge	1	Poorly suited		Unsuited	
		Rock fragments	0.50	Restrictive layer	1.00
		Slope	0.50	Slope	0.50
Typic Cryaquolls	1	Poorly suited		Unsuited	
		Rock fragments	0.50	Wetness	1.00
9141:					
Melody	55	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Rock outcrop, volcanic	25	Not rated		Not rated	
Sky	10	Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.50
		Slope	0.50		
Mountrose	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Wardcreek	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
				Restrictive layer	0.50

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9141:					
Lithnip	1	Unsuited		Unsuited	
		Restrictive layer	1.00	Restrictive layer	1.00
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Meiss	1	Poorly suited		Unsuited	
		Slope	0.50	Restrictive layer	1.00
				Slope	0.50
Oxyaquic Cryorthents	1	Well suited		Well suited	
9142:					
Melody	55	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Rock outcrop, volcanic	25	Not rated		Not rated	
Sky	10	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Mountrose	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Wardcreek	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
				Restrictive layer	0.50
Lithnip	1	Unsuited		Unsuited	
		Restrictive layer	1.00	Restrictive layer	1.00
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Meiss	1	Poorly suited		Unsuited	
		Slope	0.50	Restrictive layer	1.00
				Slope	0.50
Oxyaquic Cryorthents	1	Well suited		Well suited	
9143:					
Melody	55	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Rock outcrop, volcanic	25	Not rated		Not rated	
Sky	10	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Mountrose	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9143:					
Wardcreek	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
				Restrictive layer	0.50
Lithnip	1	Unsuited		Unsuited	
		Restrictive layer	1.00	Restrictive layer	1.00
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Meiss	1	Poorly suited		Unsuited	
		Slope	0.50	Restrictive layer	1.00
				Slope	0.50
Oxyaquic Cryorthents	1	Well suited		Well suited	
9151:					
Shakespeare	80	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Deerhill	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Mountrose	4	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Melody	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Wardcreek	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
				Restrictive layer	0.50
Dagget very gravelly loamy coarse sand	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Oxyaquic Cryorthents	1	Well suited		Well suited	
Temo	1	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Witefels	1	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
9152:					
Shakespeare	80	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9152:					
Deerhill	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Mountrose	4	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Melody	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Wardcreek	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
				Restrictive layer	0.50
Dagget very gravelly loamy coarse sand	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Oxyaquic Cryorthents	1	Well suited		Well suited	
Temo	1	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Witefels	1	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
9161:					
Sky	80	Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.50
		Slope	0.50		
Melody	10	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Mountrose	4	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Wardcreek	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
				Restrictive layer	0.50
Lithnip	1	Unsuited		Unsuited	
		Restrictive layer	1.00	Restrictive layer	1.00
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Meiss	1	Poorly suited		Unsuited	
		Slope	0.50	Restrictive layer	1.00
				Slope	0.50
Oxyaquic Cryorthents	1	Well suited		Well suited	

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9162:					
Sky	80	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Melody	10	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Mountrose	4	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Wardcreek	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
				Restrictive layer	0.50
Lithnip	1	Unsuited		Unsuited	
		Restrictive layer	1.00	Restrictive layer	1.00
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Meiss	1	Poorly suited		Unsuited	
		Slope	0.50	Restrictive layer	1.00
				Slope	0.50
Oxyaquic Cryorthents	1	Well suited		Well suited	
9163:					
Sky	80	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Melody	10	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Mountrose	4	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Wardcreek	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
				Restrictive layer	0.50
Lithnip	1	Unsuited		Unsuited	
		Restrictive layer	1.00	Restrictive layer	1.00
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Meiss	1	Poorly suited		Unsuited	
		Slope	0.50	Restrictive layer	1.00
				Slope	0.50
Oxyaquic Cryorthents	1	Well suited		Well suited	

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9164:					
Sky	50	Poorly suited		Poorly suited	
		Rock fragments	0.50	Slope	0.50
		Slope	0.50		
Melody	40	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Mountrose	4	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Wardcreek	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
				Restrictive layer	0.50
Lithnip	1	Unsuited		Unsuited	
		Restrictive layer	1.00	Restrictive layer	1.00
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Meiss	1	Poorly suited		Unsuited	
		Slope	0.50	Restrictive layer	1.00
				Slope	0.50
Oxyaquic Cryorthents	1	Well suited		Well suited	
9165:					
Sky	50	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Melody	40	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Mountrose	4	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Wardcreek	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
				Restrictive layer	0.50
Lithnip	1	Unsuited		Unsuited	
		Restrictive layer	1.00	Restrictive layer	1.00
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Meiss	1	Poorly suited		Unsuited	
		Slope	0.50	Restrictive layer	1.00
				Slope	0.50
Oxyaquic Cryorthents	1	Well suited		Well suited	

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9166:					
Sky	50	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Melody	40	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Mountrose	4	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Wardcreek	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
				Restrictive layer	0.50
Lithnip	1	Unsuited		Unsuited	
		Restrictive layer	1.00	Restrictive layer	1.00
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Meiss	1	Poorly suited		Unsuited	
		Slope	0.50	Restrictive layer	1.00
				Slope	0.50
Oxyaquic Cryorthents	1	Well suited		Well suited	
9171:					
Mountrose	35	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Wardcreek	25	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
				Restrictive layer	0.50
Melody	20	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Meiss	5	Poorly suited		Unsuited	
		Slope	0.50	Restrictive layer	1.00
				Slope	0.50
Rock outcrop	5	Not rated		Not rated	
Rubble land	5	Not rated		Not rated	
Sky	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
9401:					
Dagget very gravelly loamy coarse sand	75	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9401:					
Temo	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Witefels	4	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Jobsis	3	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Rock outcrop	3	Not rated		Not rated	
Whittell	3	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Cagwin	2	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Cassenai, moist	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Toem	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Oxyaquic Cryorthents	1	Well suited		Well suited	
9402:					
Dagget very gravelly loamy coarse sand	75	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Temo	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Witefels	4	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Jobsis	3	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
Rock outcrop	3	Not rated		Not rated	
Whittell	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9402:					
Cagwin	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Cassenai, moist	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Toem	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Oxyaquic Cryorthents	1	Well suited		Well suited	
9403:					
Dagget very gravelly loamy coarse sand	75	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Temo	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Witefels	4	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Jobsis	3	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
Rock outcrop	3	Not rated		Not rated	
Whittell	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Cagwin	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Cassenai, moist	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Toem	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Oxyaquic Cryorthents	1	Well suited		Well suited	
9404:					
Dagget, moist	80	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
Cassenai, moist	5	Poorly suited		Well suited	
		Rock fragments	0.50		

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9404:					
Rockbound very gravelly loam	5	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Restrictive layer	1.00	Restrictive layer	1.00
Jobsis	2	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Oxyaquic Cryorthents	2	Well suited		Well suited	
Temo	2	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
Whittell	2	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Witefels	2	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
9405:					
Dagget, moist	80	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Cassenai, moist	5	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Rockbound very gravelly loam	5	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Restrictive layer	1.00	Restrictive layer	1.00
Jobsis	2	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Oxyaquic Cryorthents	2	Well suited		Well suited	
Temo	2	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Whittell	2	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Witefels	2	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
9406:					
Dagget, moist	80	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	1.00	Slope	1.00

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9406:					
Cassenai, moist-----	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Rockbound very stony loam---------	5	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
				Restrictive layer	1.00
Jobsis--------------	2	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
Oxyaquic Cryorthents	2	Well suited		Well suited	
Temo----------------	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Whittell------------	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Witefels------------	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
9407:					
Dagget, moist-------	55	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	1.00	Slope	1.00
Rock outcrop, granitic-----------	25	Not rated		Not rated	
Temo----------------	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Witefels------------	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Whittell------------	4	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	1.00
Cassenai, moist-----	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Jobsis--------------	2	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
Oxyaquic Cryorthents	2	Well suited		Well suited	

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9411:					
Freelpeak	50	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Windyridge	25	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Rock outcrop	10	Not rated		Not rated	
Jobsis	8	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Whittell	3	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Waterpeak	2	Unsuited		Poorly suited	
		Rock fragments	1.00	Slope	0.50
		Slope	0.50	Rock fragments	0.50
Buggin	1	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Glaciers	1	Not rated		Not rated	
9421:					
Jobsis	45	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Whittell	25	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Rock outcrop	15	Not rated		Not rated	
Typic Cryorthents, 8 to 30 percent slopes	4	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Windyridge	4	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Klauspeak	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
Shalgran	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Buggin	1	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9421:					
Typic Cryorthents, 4 to 30 percent slopes	1	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Waterpeak	1	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
9431:					
Sofgran	40	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.50
Klauspeak	30	Unsuited		Poorly suited	
		Rock fragments	1.00	Slope	0.50
		Slope	0.50	Rock fragments	0.50
Temo	15	Unsuited		Poorly suited	
		Rock fragments	1.00	Slope	0.50
		Slope	0.50	Rock fragments	0.50
Rock outcrop	4	Not rated		Not rated	
Shalgran	4	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Xeric Humicryepts	3	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Stumpatil	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Aquic Haplocryolls	1	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Hopeval	1	Well suited		Unsuited	
				Wetness	1.00
9441:					
Temo	45	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
Witefels	35	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Cagwin	4	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
Oxyaquic Cryorthents	1	Well suited		Well suited	

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9442:					
Temo	45	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Witefels	35	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Unsuited		Poorly suited	
		Rock fragments	1.00	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Cagwin	4	Poorly suited		Poorly suited	
		Rock fragments	0.50	Rock fragments	0.50
		Slope	0.50	Slope	0.50
Oxyaquic Cryorthents	1	Well suited		Well suited	
9443:					
Temo	45	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Witefels	35	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Cagwin	4	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Oxyaquic Cryorthents	1	Well suited		Well suited	
9444:					
Temo	45	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Witefels	35	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Rock outcrop	10	Not rated		Not rated	

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9444:					
Dagget very gravelly loamy coarse sand	5	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Cagwin	4	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50	Rock fragments	0.50
Oxyaquic Cryorthents	1	Well suited		Well suited	
9451:					
Waterpeak	80	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	1.00	Rock fragments	0.50
Rock outcrop	10	Not rated		Not rated	
Shalgran	4	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Typic Cryorthents	4	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Pachic Haplocryolls	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
9461:					
Whittell	45	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
Jobsis	25	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
Rock outcrop	15	Not rated		Not rated	
Jobsis, 8 to 30 percent slopes	4	Unsuited		Unsuited	
		Rock fragments	1.00	Rock fragments	1.00
		Slope	0.50	Slope	0.50
Windyridge	4	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Klauspeak	2	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
Shalgran	2	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		

Table 9.--Forestland Site Preparation--Continued

Map symbol and component name	Pct. of map unit	Suitability for mechanical site preparation (surface)		Suitability for mechanical site preparation (deep)	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9461:					
Buggin	1	Unsuited		Unsuited	
		Rock fragments	1.00	Slope	1.00
		Slope	1.00	Rock fragments	1.00
Typic Cryorthents	1	Poorly suited		Poorly suited	
		Slope	0.50	Slope	0.50
		Rock fragments	0.50		
Waterpeak	1	Unsuited		Unsuited	
		Slope	1.00	Slope	1.00
		Rock fragments	0.50		
W:					
Water	100	Not rated		Not rated	

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table)

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7011:							
Beaches	64	Not rated		Not rated		Not rated	
Oxyaquic Xeropsamments	10	Severe		Moderately suited		Moderate	
		Wetness	1.00	Wetness	0.50	Low strength	0.50
Watah	7	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Wetness	1.00	Flooding	1.00		
		Landslides	0.10	Wetness	1.00		
				Landslides	0.10		
Gefo, barrier beach	6	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Marla	5	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Cagwin	1	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Rock fragments	0.50	Low strength	0.50
		Landslides	0.50	Slope	0.50		
		Sandiness	0.50	Sandiness	0.50		
				Landslides	0.50		
Cassenai gravelly loamy coarse sand	1	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Slope	0.50	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Rock fragments	0.50		
				Landslides	0.10		
Dunes	1	Not rated		Not rated		Not rated	
Jorge very gravelly sandy loam	1	Moderate		Moderately suited		Slight	
		Stoniness	0.50	Slope	0.50	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
				Rock fragments	0.50		
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe silt loam	1	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Wetness	0.50		
		Flooding	0.50	Ponding	0.50		
		Landslides	0.10	Flooding	0.50		
				Landslides	0.10		
Tahoma	1	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7011:							
Toem	1	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		
7021:							
Hellhole	80	Severe		Poorly suited		Severe	
		Wetness	1.00	Ponding	1.00	Low strength	1.00
		Landslides	0.10	Low strength	1.00	Wetness	0.50
				Wetness	1.00		
				Landslides	0.10		
Bidart, wet	10	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Low strength	1.00	Flooding	1.00		
		Wetness	1.00	Low strength	1.00		
		Landslides	0.10	Wetness	1.00		
				Landslides	0.10		
Watah	5	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Wetness	1.00	Flooding	1.00		
		Landslides	0.10	Wetness	1.00		
				Landslides	0.10		
Water	5	Not rated		Not rated		Not rated	
7031:							
Pits	45	Not rated		Not rated		Not rated	
Dumps	45	Not rated		Not rated		Not rated	
Arents	5	Not rated		Not rated		Not rated	
Xerorthents	5	Not rated		Not rated		Not rated	
7041:							
Tahoe silt loam	55	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Wetness	0.50		
		Flooding	0.50	Ponding	0.50		
		Landslides	0.10	Flooding	0.50		
				Landslides	0.10		
Tahoe silt loam, wet	25	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Low strength	1.00	Flooding	1.00		
		Wetness	1.00	Low strength	1.00		
		Sandiness	0.50	Wetness	0.50		
		Landslides	0.10	Sandiness	0.50		
Marla	10	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7041:							
Tahoe, gravelly-----	5	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
Watah----------	5	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Wetness	1.00	Flooding	1.00		
		Landslides	0.10	Wetness	1.00		
				Landslides	0.10		
7042:							
Tahoe, gravelly-----	55	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
Tahoe, gravelly, wet	25	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Low strength	1.00	Flooding	1.00		
		Wetness	1.00	Low strength	1.00		
		Sandiness	0.50	Wetness	0.50		
		Landslides	0.10	Sandiness	0.50		
Marla----------	5	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Riverwash----------	5	Not rated		Not rated		Not rated	
Tahoe silt loam-----	5	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Wetness	0.50		
		Flooding	0.50	Ponding	0.50		
		Landslides	0.10	Flooding	0.50		
				Landslides	0.10		
Watah----------	5	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Wetness	1.00	Flooding	1.00		
		Landslides	0.10	Wetness	1.00		
				Landslides	0.10		
7043:							
Tahoe, drained------	80	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	0.50	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7043:							
Marla	5	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Tahoe, gravelly	5	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
Tahoe silt loam, wet	5	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Low strength	1.00	Flooding	1.00		
		Wetness	1.00	Low strength	1.00		
		Sandiness	0.50	Wetness	0.50		
		Landslides	0.10	Sandiness	0.50		
Watah	5	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Wetness	1.00	Flooding	1.00		
		Landslides	0.10	Wetness	1.00		
				Landslides	0.10		
7051:							
Oxyaquic Xerorthents	60	Moderate		Moderately suited		Moderate	
		Sandiness	0.50	Sandiness	0.50	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Water	38	Not rated		Not rated		Not rated	
Marla	1	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Watah	1	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Wetness	1.00	Flooding	1.00		
		Landslides	0.10	Wetness	1.00		
				Landslides	0.10		
7061:							
Urban land	100	Not rated		Not rated		Not rated	
7071:							
Watah	75	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Wetness	1.00	Flooding	1.00		
		Landslides	0.10	Wetness	1.00		
				Landslides	0.10		
Tahoe, gravelly, wet	9	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Low strength	1.00	Flooding	1.00		
		Wetness	1.00	Low strength	1.00		
		Sandiness	0.50	Wetness	0.50		
		Landslides	0.10	Sandiness	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7071:							
Tahoe silt loam, wet	8	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Low strength	1.00	Flooding	1.00		
		Wetness	1.00	Low strength	1.00		
		Sandiness	0.50	Wetness	0.50		
		Landslides	0.10	Sandiness	0.50		
Marla	3	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Bidart, wet	2	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Low strength	1.00	Flooding	1.00		
		Wetness	1.00	Low strength	1.00		
		Landslides	0.10	Wetness	1.00		
				Landslides	0.10		
Water	2	Not rated		Not rated		Not rated	
Hellhole	1	Severe		Poorly suited		Severe	
		Wetness	1.00	Ponding	1.00	Low strength	1.00
		Landslides	0.10	Low strength	1.00	Wetness	0.50
				Wetness	1.00		
				Landslides	0.10		
7101:							
Caverock	80	Moderate		Poorly suited		Severe	
		Slope	0.50	Slope	1.00	Low strength	1.00
		Landslides	0.10	Landslides	0.10		
Cagwin	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Cassenai gravelly loamy coarse sand	5	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
		Stoniness	0.50	Rock fragments	0.50		
Deerhill	3	Moderate		Poorly suited		Moderate	
		Landslides	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Landslides	0.50		
Genoapeak	2	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Southcamp	2	Severe		Poorly suited		Severe	
		Slope	1.00	Slope	1.00	Low strength	1.00
		Landslides	0.50	Landslides	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7101:							
Zephyrcove----------	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Rock fragments	1.00	Low strength	0.50
		Stoniness	1.00	Slope	1.00		
		Landslides	0.50	Landslides	0.50		
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7111:							
Deerhill----------	80	Moderate		Poorly suited		Moderate	
		Landslides	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Landslides	0.50		
Cassenai gravelly loamy coarse sand--	5	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
		Stoniness	0.50	Rock fragments	0.50		
Cagwin----------	3	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Shakespeare---------	3	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
Southcamp----------	3	Moderate		Poorly suited		Severe	
		Landslides	0.50	Slope	1.00	Low strength	1.00
		Slope	0.50	Landslides	0.50		
Zephyrcove----------	3	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Rock fragments	1.00	Low strength	0.50
		Landslides	0.50	Slope	1.00		
		Slope	0.50	Landslides	0.50		
Genoapeak----------	2	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7112:							
Deerhill----------	80	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.50	Landslides	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7112:							
Cassenai gravelly loamy coarse sand--	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Stoniness	0.50	Landslides	0.50		
				Rock fragments	0.50		
Cagwin----------	3	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Shakespeare---------	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Rock fragments	0.50		
				Landslides	0.50		
Southcamp----------	3	Severe		Poorly suited		Severe	
		Slope	1.00	Slope	1.00	Low strength	1.00
		Landslides	0.50	Landslides	0.50		
Zephyrcove----------	3	Severe		Poorly suited		Moderate	
		Slope	1.00	Rock fragments	1.00	Low strength	0.50
		Stoniness	1.00	Slope	1.00		
		Landslides	0.50	Landslides	0.50		
Genoapeak----------	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7121:							
Ellispeak----------	45	Severe		Poorly suited		Moderate	
		Landslides	1.00	Landslides	1.00	Low strength	0.50
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Rock fragments	0.50		
Rock outcrop, volcanic----------	40	Not rated		Not rated		Not rated	
Waca----------	10	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Kneeridge, well drained----------	2	Moderate		Moderately suited		Moderate	
		Landslides	0.50	Slope	0.50	Low strength	0.50
				Landslides	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7121:							
Paige	2	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Tahoe, gravelly	1	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
7122:							
Ellispeak	45	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
				Rock fragments	0.50		
Rock outcrop, volcanic	40	Not rated		Not rated		Not rated	
Waca	10	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Kneeridge, well drained	3	Moderate		Moderately suited		Moderate	
		Landslides	0.50	Slope	0.50	Low strength	0.50
				Landslides	0.50		
Aquic Xerorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
Paige	1	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
7123:							
Ellispeak	45	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	1.00	Landslides	1.00		
				Rock fragments	0.50		
Rock outcrop, volcanic	40	Not rated		Not rated		Not rated	
Waca	10	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Kneeridge, well drained	3	Moderate		Moderately suited		Moderate	
		Landslides	0.50	Slope	0.50	Low strength	0.50
				Landslides	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7123:							
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
Paige---	1	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
7131:							
Ellispeak---	45	Severe		Poorly suited		Moderate	
		Landslides	1.00	Landslides	1.00	Low strength	0.50
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Rock fragments	0.50		
Waca---	40	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Rock outcrop, volcanic---	10	Not rated		Not rated		Not rated	
Windy---	4	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7132:							
Ellispeak---	45	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
				Rock fragments	0.50		
Waca---	40	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Rock outcrop---	10	Not rated		Not rated		Not rated	
Windy---	4	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7133:							
Ellispeak	45	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	1.00	Landslides	1.00		
				Rock fragments	0.50		
Waca	40	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Aquic Xerorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7141:							
Inville	80	Slight		Moderately suited		Moderate	
		Landslides	0.10	Slope	0.50	Low strength	0.50
				Landslides	0.10		
Christopher loamy coarse sand	10	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Cassenai gravelly loamy coarse sand	4	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Slope	0.50	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Rock fragments	0.50		
				Landslides	0.10		
Jorge very gravelly sandy loam	3	Moderate		Moderately suited		Slight	
		Stoniness	0.50	Slope	0.50	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
				Rock fragments	0.50		
Kingsbeach	2	Moderate		Moderately suited		Moderate	
		Low strength	0.50	Slope	0.50	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Aquic Xerorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7142:							
Inville	80	Slight		Moderately suited		Moderate	
		Landslides	0.10	Slope	0.50	Low strength	0.50
				Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7142:							
Cassenai gravelly loamy coarse sand--	10	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Slope	0.50	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Rock fragments	0.50		
				Landslides	0.10		
Christopher gravelly loamy coarse sand--------	4	Moderate		Poorly suited		Moderate	
		Landslides	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Jorge very gravelly sandy loam---------	3	Moderate		Moderately suited		Slight	
		Stoniness	0.50	Slope	0.50	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
				Rock fragments	0.50		
Meeks, extremely bouldery----------	2	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Rock fragments	1.00	Low strength	0.50
		Landslides	0.50	Slope	0.50		
				Landslides	0.50		
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7143:							
Inville----------	80	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Cassenai gravelly loamy coarse sand--	10	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
		Stoniness	0.50	Rock fragments	0.50		
Christopher gravelly loamy coarse sand--------	4	Moderate		Poorly suited		Moderate	
		Landslides	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Jorge very gravelly sandy loam---------	3	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
		Stoniness	0.50	Rock fragments	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7143:							
Meeks, extremely bouldery	2	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Landslides	1.00		
		Slope	0.50	Rock fragments	1.00		
Aquic Xerorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7151:							
Jorge very cobbly fine sandy loam	80	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Landslides	0.50	Slope	0.50		
				Landslides	0.50		
Tahoma	5	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10
Waca	5	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Jorge very cobbly loam	4	Moderate		Moderately suited		Slight	
		Stoniness	0.50	Rock fragments	0.50	Strength	0.10
				Slope	0.50		
Ellispeak	2	Severe		Poorly suited		Moderate	
		Landslides	1.00	Landslides	1.00	Low strength	0.50
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Rock fragments	0.50		
Sky	2	Severe		Poorly suited		Slight	
		Landslides	1.00	Landslides	1.00	Strength	0.10
		Slope	0.50	Slope	1.00		
		Stickiness/slope	0.50				
Aquic Xerorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
Rock outcrop	1	Not rated		Not rated		Not rated	
7152:							
Jorge very cobbly fine sandy loam	80	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		
		Landslides	0.50	Landslides	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7152:							
Tahoma	5	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Sandiness	0.50				
Waca	5	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Jorge very cobbly loam	4	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
Ellispeak	2	Severe		Poorly suited		Moderate	
		Landslides	1.00	Landslides	1.00	Low strength	0.50
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Rock fragments	0.50		
Sky	2	Severe		Poorly suited		Slight	
		Landslides	1.00	Landslides	1.00	Strength	0.10
		Slope	0.50	Slope	1.00		
		Stickiness/slope	0.50				
Aquic Xerorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
Rock outcrop	1	Not rated		Not rated		Not rated	
7153:							
Jorge very cobbly fine sandy loam	80	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Landslides	0.50	Landslides	0.50		
Tahoma	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Low strength	0.50				
Waca	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Jorge very cobbly loam	4	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
Ellispeak	2	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
				Rock fragments	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7153:							
Sky	2	Severe		Poorly suited		Slight	
		Landslides	1.00	Slope	1.00	Strength	0.10
		Slope	1.00	Landslides	1.00		
Aquic Xerorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
Rock outcrop	1	Not rated		Not rated		Not rated	
7154:							
Jorge very cobbly loam	75	Moderate		Moderately suited		Slight	
		Stoniness	0.50	Rock fragments	0.50	Strength	0.10
				Slope	0.50		
Rubble land	10	Not rated		Not rated		Not rated	
Tahoma	5	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10
Ellispeak	3	Severe		Poorly suited		Moderate	
		Landslides	1.00	Landslides	1.00	Low strength	0.50
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Rock fragments	0.50		
Rock outcrop	3	Not rated		Not rated		Not rated	
Waca	3	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Tahoe, gravelly	1	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
7155:							
Jorge very cobbly loam	75	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
Rubble land	10	Not rated		Not rated		Not rated	
Tahoma	5	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Sandiness	0.50				
Ellispeak	3	Severe		Poorly suited		Moderate	
		Landslides	1.00	Landslides	1.00	Low strength	0.50
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Rock fragments	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7155:							
Rock outcrop	3	Not rated		Not rated		Not rated	
Waca	3	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Tahoe, gravelly	1	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
7156:							
Jorge very gravelly sandy loam	45	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
		Stoniness	0.50	Rock fragments	0.50		
Tahoma	35	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Sandiness	0.50				
Waca	10	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Inville	5	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Severe		Poorly suited		Moderate	
		Landslides	1.00	Landslides	1.00	Low strength	0.50
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Rock fragments	0.50		
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
7157:							
Jorge very gravelly sandy loam	55	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Sandiness	0.50		
				Rock fragments	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7157:							
Tahoma	25	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Low strength	0.50				
Waca	10	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Inville	5	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
				Rock fragments	0.50		
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
7161:							
Kingsbeach	80	Moderate		Moderately suited		Moderate	
		Low strength	0.50	Slope	0.50	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Tahoma	10	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10
Jorge very gravelly sandy loam	8	Moderate		Moderately suited		Slight	
		Stoniness	0.50	Slope	0.50	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
				Rock fragments	0.50		
Beaches	1	Not rated		Not rated		Not rated	
Dunes	1	Not rated		Not rated		Not rated	
7171:							
Kneeridge, extremely stony	80	Moderate		Moderately suited		Moderate	
		Landslides	0.50	Rock fragments	0.50	Low strength	0.50
		Stoniness	0.50	Landslides	0.50		
Jorge very gravelly sandy loam	9	Moderate		Moderately suited		Slight	
		Stoniness	0.50	Slope	0.50	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
				Rock fragments	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7171:							
Paige	5	Slight		Moderately suited		Moderate	
		Landslides	0.10	Slope	0.50	Low strength	0.50
				Landslides	0.10		
Waca	5	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Tahoe, gravelly	1	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
7172:							
Kneeridge, well drained	80	Moderate		Moderately suited		Moderate	
		Landslides	0.50	Slope	0.50	Low strength	0.50
				Landslides	0.50		
Jorge very gravelly sandy loam	9	Moderate		Moderately suited		Slight	
		Stoniness	0.50	Slope	0.50	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
				Rock fragments	0.50		
Paige	5	Slight		Moderately suited		Moderate	
		Landslides	0.10	Slope	0.50	Low strength	0.50
				Landslides	0.10		
Waca	5	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Tahoe, gravelly	1	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
7173:							
Kneeridge, very stony	80	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Jorge very gravelly sandy loam	9	Moderate		Moderately suited		Slight	
		Stoniness	0.50	Slope	0.50	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
				Rock fragments	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7173:							
Paige	5	Slight		Moderately suited		Moderate	
		Landslides	0.10	Slope	0.50	Low strength	0.50
				Landslides	0.10		
Waca	5	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Tahoe, gravelly	1	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
7174:							
Kneeridge, very stony	80	Moderate		Moderately suited		Moderate	
		Landslides	0.50	Slope	0.50	Low strength	0.50
				Landslides	0.50		
Jorge very gravelly sandy loam	9	Moderate		Moderately suited		Slight	
		Stoniness	0.50	Slope	0.50	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
				Rock fragments	0.50		
Paige	5	Slight		Moderately suited		Moderate	
		Landslides	0.10	Slope	0.50	Low strength	0.50
				Landslides	0.10		
Waca	5	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Tahoe, gravelly	1	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
7181:							
Paige	80	Slight		Moderately suited		Moderate	
		Landslides	0.10	Slope	0.50	Low strength	0.50
				Landslides	0.10		
Kneeridge, well drained	7	Moderate		Moderately suited		Moderate	
		Landslides	0.50	Slope	0.50	Low strength	0.50
				Landslides	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7181:							
Jorge very gravelly sandy loam	6	Moderate		Moderately suited		Slight	
		Stoniness	0.50	Slope	0.50	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
				Rock fragments	0.50		
Tahoe, gravelly	5	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
Waca	2	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
7182:							
Paige	80	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Jorge very gravelly sandy loam	5	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
		Stoniness	0.50	Rock fragments	0.50		
Tahoma	5	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Sandiness	0.50				
Waca	5	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Kneeridge, well drained	4	Moderate		Moderately suited		Moderate	
		Landslides	0.50	Slope	0.50	Low strength	0.50
				Landslides	0.50		
Tahoe, gravelly	1	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
7183:							
Paige	84	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7183:							
Jorge very gravelly sandy loam	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Sandiness	0.50		
				Rock fragments	0.50		
Tahoma	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Low strength	0.50				
Waca	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Tahoe, gravelly	1	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
7191:							
Rock outcrop, volcanic	90	Not rated		Not rated		Not rated	
Glenalpine	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	0.50		
Lithnip	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Meiss	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.10	Landslides	0.10		
Melody	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
Rubble land	2	Not rated		Not rated		Not rated	
7201:							
Rubble land, talus	45	Not rated		Not rated		Not rated	
Glenalpine	40	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	0.50		
Rock outcrop	10	Not rated		Not rated		Not rated	

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7201:							
Rockbound very stony loam	5	Severe		Poorly suited		Slight	
		Slope	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Slope	1.00		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
7211:							
Southcamp	80	Severe		Poorly suited		Severe	
		Slope	1.00	Slope	1.00	Low strength	1.00
		Landslides	0.50	Landslides	0.50		
Cassenai gravelly loamy coarse sand	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Stoniness	0.50	Landslides	0.50		
				Rock fragments	0.50		
Genoapeak	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Zephyrcove	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Rock fragments	1.00	Low strength	0.50
		Stoniness	1.00	Slope	1.00		
		Landslides	0.50	Landslides	0.50		
Cagwin	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Deerhill	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.50	Landslides	0.50		
Aquic Xerorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7221:							
Tahoma	80	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10
Waca	10	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Inville	4	Slight		Moderately suited		Moderate	
		Landslides	0.10	Slope	0.50	Low strength	0.50
				Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7221:							
Rubble land---	3	Not rated		Not rated		Not rated	
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
Ellispeak---	1	Severe		Poorly suited		Moderate	
		Landslides	1.00	Landslides	1.00	Low strength	0.50
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Rock fragments	0.50		
Rock outcrop---	1	Not rated		Not rated		Not rated	
7222:							
Tahoma---	50	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10
Jorge very gravelly sandy loam---	30	Moderate		Moderately suited		Slight	
		Stoniness	0.50	Slope	0.50	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		
				Rock fragments	0.50		
Waca---	10	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Inville---	5	Slight		Moderately suited		Moderate	
		Landslides	0.10	Slope	0.50	Low strength	0.50
				Landslides	0.10		
Rubble land---	2	Not rated		Not rated		Not rated	
Ellispeak---	1	Severe		Poorly suited		Moderate	
		Landslides	1.00	Landslides	1.00	Low strength	0.50
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Rock fragments	0.50		
Rock outcrop---	1	Not rated		Not rated		Not rated	
Tahoe, gravelly---	1	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
7231:							
Waca---	80	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7231:							
Ellispeak	5	Severe		Poorly suited		Moderate	
		Landslides	1.00	Landslides	1.00	Low strength	0.50
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Rock fragments	0.50		
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	5	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Kneeridge, well drained	2	Moderate		Moderately suited		Moderate	
		Landslides	0.50	Slope	0.50	Low strength	0.50
				Landslides	0.50		
Paige	2	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Aquic Xerorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7232:							
Waca	80	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Ellispeak	5	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
				Rock fragments	0.50		
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	4	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Kneeridge, well drained	2	Moderate		Moderately suited		Moderate	
		Landslides	0.50	Slope	0.50	Low strength	0.50
				Landslides	0.50		
Paige	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Aquic Xerorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7232:							
Typic Epiaquents----	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7233:							
Waca----------	80	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Ellispeak----------	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	1.00	Landslides	1.00		
				Rock fragments	0.50		
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Windy----------	5	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Kneeridge, well drained----------	2	Moderate		Moderately suited		Moderate	
		Landslides	0.50	Slope	0.50	Low strength	0.50
				Landslides	0.50		
Paige----------	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7241:							
Zephyrcove----------	50	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Rock fragments	1.00	Low strength	0.50
		Landslides	0.50	Slope	1.00		
		Slope	0.50	Landslides	0.50		
Southcamp----------	20	Moderate		Poorly suited		Severe	
		Landslides	0.50	Slope	1.00	Low strength	1.00
		Slope	0.50	Landslides	0.50		
Genoapeak----------	17	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Cagwin----------	5	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7241:							
Cassenai gravelly loamy coarse sand--	5	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
		Stoniness	0.50	Rock fragments	0.50		
Deerhill----------	2	Moderate		Poorly suited		Moderate	
		Landslides	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Landslides	0.50		
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7242:							
Zephyrcove----------	50	Severe		Poorly suited		Moderate	
		Slope	1.00	Rock fragments	1.00	Low strength	0.50
		Stoniness	1.00	Slope	1.00		
		Landslides	0.50	Landslides	0.50		
Southcamp----------	20	Severe		Poorly suited		Severe	
		Slope	1.00	Slope	1.00	Low strength	1.00
		Landslides	0.50	Landslides	0.50		
Genoapeak----------	17	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Cagwin----------	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Cassenai gravelly loamy coarse sand--	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Stoniness	0.50	Landslides	0.50		
				Rock fragments	0.50		
Deerhill----------	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.50	Landslides	0.50		
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7401:							
Burnlake----------	60	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Rock fragments	1.00	Strength	0.10
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7401:							
Roadcat	25	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Rock fragments	1.00	Low strength	0.50
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		
Hardtil	4	Severe		Poorly suited		Moderate	
		Restrictive layer	1.00	Slope	1.00	Low strength	0.50
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				
Aquic Haplocryolls	2	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				
Aspetill	2	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
Cumulic Cryaquolls	2	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Wetness	1.00	Slope	1.00		
		Stoniness	1.00	Wetness	0.50		
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				
Stumpatil	2	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Sandiness	0.50				
Typic Haploxerepts	2	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
Rock outcrop	1	Not rated		Not rated		Not rated	
7411:							
Cagwin	50	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Rock fragments	0.50	Low strength	0.50
		Landslides	0.50	Slope	0.50		
		Sandiness	0.50	Sandiness	0.50		
				Landslides	0.50		
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Slope	0.50	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Rock fragments	0.50		
				Landslides	0.10		
Toem	10	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7411:							
Dagget very gravelly loamy coarse sand	5	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		
		Sandiness	0.50	Sandiness	0.50		
Temo	2	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Rock fragments	1.00	Low strength	0.50
		Sandiness	0.50	Slope	0.50		
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Witefels	2	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Rock fragments	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
Marla	1	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
7412:							
Cagwin	50	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
		Stoniness	0.50	Rock fragments	0.50		
Toem	10	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		
Dagget very gravelly loamy coarse sand	5	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		
		Sandiness	0.50	Sandiness	0.50		
Temo	2	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	1.00		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7412:							
Witefels	2	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
Marla	1	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
7413:							
Cagwin	50	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Stoniness	0.50	Landslides	0.50		
				Rock fragments	0.50		
Toem	10	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Dagget very gravelly loamy coarse sand	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	1.00		
				Sandiness	0.50		
Temo	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Witefels	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
Marla	1	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7414:							
Cagwin	50	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Stoniness	0.50	Landslides	0.50		
				Rock fragments	0.50		
Toem	10	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Dagget very gravelly loamy coarse sand	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	1.00		
				Sandiness	0.50		
Temo	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Witefels	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
Marla	1	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
7421:							
Cassenai gravelly loamy coarse sand	78	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Slope	0.50	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Rock fragments	0.50		
				Landslides	0.10		
Cagwin	12	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Rock fragments	0.50	Low strength	0.50
		Landslides	0.50	Slope	0.50		
		Sandiness	0.50	Sandiness	0.50		
				Landslides	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7421:							
Toem	4	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		
Rock outcrop	3	Not rated		Not rated		Not rated	
Christopher gravelly loamy coarse sand	1	Moderate		Poorly suited		Moderate	
		Landslides	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Christopher loamy coarse sand	1	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Marla	1	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
7422:							
Cassenai gravelly loamy coarse sand	73	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
		Stoniness	0.50	Rock fragments	0.50		
Cagwin	12	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Dagget very gravelly loamy coarse sand	5	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		
		Sandiness	0.50	Sandiness	0.50		
Toem	4	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		
Aquic Xerorthents	2	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7422:							
Christopher gravelly loamy coarse sand	2	Moderate		Poorly suited		Moderate	
		Landslides	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Rock outcrop	2	Not rated		Not rated		Not rated	
7423:							
Cassenai gravelly loamy coarse sand	78	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Stoniness	0.50	Landslides	0.50		
				Rock fragments	0.50		
Cagwin	12	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Toem	4	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Rock outcrop	3	Not rated		Not rated		Not rated	
Christopher gravelly loamy coarse sand	2	Moderate		Poorly suited		Moderate	
		Landslides	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Aquic Xerorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7424:							
Cassenai gravelly loamy coarse sand	78	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Stoniness	0.50	Landslides	0.50		
				Rock fragments	0.50		
Cagwin	12	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7424:							
Toem	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Rock outcrop	4	Not rated		Not rated		Not rated	
Aquic Xerorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7425:							
Cassenai, moist	80	Slight		Moderately suited		Moderate	
		Landslides	0.10	Slope	0.50	Low strength	0.50
				Rock fragments	0.50		
				Landslides	0.10		
Cagwin	5	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Rock fragments	0.50	Low strength	0.50
		Landslides	0.50	Slope	0.50		
		Sandiness	0.50	Sandiness	0.50		
				Landslides	0.50		
Meeks, extremely bouldery	5	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Rock fragments	1.00	Low strength	0.50
		Landslides	0.50	Slope	0.50		
				Landslides	0.50		
Tallac, very stony	5	Slight		Moderately suited		Moderate	
				Slope	0.50	Low strength	0.50
Rock outcrop	2	Not rated		Not rated		Not rated	
Toem	2	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		
Marla	1	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
7426:							
Cassenai, moist	80	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Landslides	0.50	Rock fragments	0.50		
				Landslides	0.50		
Cagwin	5	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7426:							
Tallac, very stony--	5	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
Meeks, extremely bouldery----------	4	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Landslides	1.00		
		Slope	0.50	Rock fragments	1.00		
Rock outcrop--------	2	Not rated		Not rated		Not rated	
Toem----------	2	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
Marla----------	1	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
7427:							
Cassenai, moist-----	80	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.50	Rock fragments	0.50		
				Landslides	0.50		
Cagwin----------	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Meeks, extremely bouldery----------	5	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	1.00		
Toem----------	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Rock outcrop--------	2	Not rated		Not rated		Not rated	
Tallac, very stony--	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7428:							
Cassenai, moist-----	80	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	1.00	Landslides	1.00		
				Rock fragments	0.50		
Cagwin----------	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Meeks, extremely bouldery----------	5	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	1.00		
Toem----------	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Rock outcrop--------	2	Not rated		Not rated		Not rated	
Tallac, very stony--	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7431:							
Celio----------	80	Moderate		Moderately suited		Moderate	
		Sandiness	0.50	Ponding	0.50	Low strength	0.50
		Landslides	0.10	Sandiness	0.50		
				Wetness	0.50		
				Landslides	0.10		
Meeks, stony--------	7	Severe		Well suited		Moderate	
		Stoniness	1.00	Landslides	0.10	Low strength	0.50
		Landslides	0.10				
Tahoe, gravelly-----	5	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
Marla----------	4	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Watah----------	4	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Wetness	1.00	Flooding	1.00		
		Landslides	0.10	Wetness	1.00		
				Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7441:							
Christopher loamy coarse sand	80	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Gefo gravelly loamy coarse sand	10	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Jabu	5	Slight		Well suited		Moderate	
						Low strength	0.50
Oneidas	3	Slight		Poorly suited		Moderate	
				Wetness	1.00	Low strength	0.50
Marla	2	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
7442:							
Christopher loamy coarse sand	80	Moderate		Poorly suited		Moderate	
		Landslides	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Landslides	0.50		
Gefo gravelly loamy coarse sand	10	Slight		Moderately suited		Moderate	
		Landslides	0.10	Slope	0.50	Low strength	0.50
				Landslides	0.10		
Jabu	5	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
Oneidas	3	Slight		Poorly suited		Moderate	
				Wetness	1.00	Low strength	0.50
				Slope	0.50		
Marla	2	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
7443:							
Christopher gravelly loamy coarse sand	80	Moderate		Poorly suited		Moderate	
		Landslides	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Gefo gravelly loamy coarse sand	10	Slight		Moderately suited		Moderate	
		Landslides	0.10	Slope	0.50	Low strength	0.50
				Landslides	0.10		
Jabu	5	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7443:							
Oneidas	3	Slight		Poorly suited		Moderate	
				Wetness	1.00	Low strength	0.50
				Slope	0.50		
Marla	2	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
7444:							
Christopher loamy coarse sand	45	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Gefo gravelly loamy coarse sand	35	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Jabu	5	Slight		Well suited		Moderate	
						Low strength	0.50
Marla	5	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Oneidas	5	Slight		Poorly suited		Moderate	
				Wetness	1.00	Low strength	0.50
Ubaj	5	Moderate		Moderately suited		Moderate	
		Stickiness/slope	0.50	Slope	0.50	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
7451:							
Gefo gravelly loamy coarse sand	80	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Christopher loamy coarse sand	10	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Jabu	5	Slight		Well suited		Moderate	
						Low strength	0.50
Oneidas	3	Slight		Poorly suited		Moderate	
				Wetness	1.00	Low strength	0.50
Marla	2	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
7452:							
Gefo gravelly loamy coarse sand	80	Slight		Moderately suited		Moderate	
		Landslides	0.10	Slope	0.50	Low strength	0.50
				Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7452:							
Christopher loamy coarse sand	10	Moderate		Poorly suited		Moderate	
		Landslides	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Landslides	0.50		
Jabu	5	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
Oneidas	3	Slight		Poorly suited		Moderate	
				Wetness	1.00	Low strength	0.50
				Slope	0.50		
Marla	2	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
7461:							
Jabu	80	Slight		Well suited		Moderate	
						Low strength	0.50
Christopher loamy coarse sand	10	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Oneidas	5	Slight		Poorly suited		Moderate	
				Wetness	1.00	Low strength	0.50
Gefo gravelly loamy coarse sand	3	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Marla	2	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
7462:							
Jabu	80	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
Christopher loamy coarse sand	10	Moderate		Poorly suited		Moderate	
		Landslides	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Landslides	0.50		
Oneidas	5	Slight		Poorly suited		Moderate	
				Wetness	1.00	Low strength	0.50
				Slope	0.50		
Gefo gravelly loamy coarse sand	3	Slight		Moderately suited		Moderate	
		Landslides	0.10	Slope	0.50	Low strength	0.50
				Landslides	0.10		
Marla	2	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7471:							
Marla	80	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Christopher loamy coarse sand	4	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Gefo gravelly loamy coarse sand	4	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Tahoe silt loam	4	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Wetness	0.50		
		Flooding	0.50	Ponding	0.50		
		Landslides	0.10	Flooding	0.50		
				Landslides	0.10		
Ubaj	4	Moderate		Moderately suited		Moderate	
		Stickiness/slope	0.50	Slope	0.50	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Watah	4	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Wetness	1.00	Flooding	1.00		
		Landslides	0.10	Wetness	1.00		
				Landslides	0.10		
7481:							
Meeks, stony	85	Severe		Well suited		Moderate	
		Stoniness	1.00	Landslides	0.10	Low strength	0.50
		Landslides	0.10				
Cassenai gravelly loamy coarse sand	5	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Slope	0.50	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Rock fragments	0.50		
				Landslides	0.10		
Celio	5	Moderate		Moderately suited		Moderate	
		Sandiness	0.50	Ponding	0.50	Low strength	0.50
		Landslides	0.10	Sandiness	0.50		
				Wetness	0.50		
				Landslides	0.10		
Gefo gravelly loamy coarse sand	4	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Tahoe, gravelly	1	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7482:							
Meeks, stony--------	80	Severe		Moderately suited		Moderate	
		Stoniness	1.00	Slope	0.50	Low strength	0.50
Cassenai gravelly loamy coarse sand--	10	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Slope	0.50	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Rock fragments	0.50		
				Landslides	0.10		
Oneidas-------------	7	Slight		Poorly suited		Moderate	
				Wetness	1.00	Low strength	0.50
				Slope	0.50		
Celio---------------	3	Moderate		Moderately suited		Moderate	
		Sandiness	0.50	Ponding	0.50	Low strength	0.50
		Landslides	0.10	Sandiness	0.50		
				Wetness	0.50		
				Landslides	0.10		
7483:							
Meeks, very stony---	85	Severe		Moderately suited		Moderate	
		Stoniness	1.00	Rock fragments	0.50	Low strength	0.50
Cassenai gravelly loamy coarse sand--	5	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Slope	0.50	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Rock fragments	0.50		
				Landslides	0.10		
Celio---------------	5	Moderate		Moderately suited		Moderate	
		Sandiness	0.50	Ponding	0.50	Low strength	0.50
		Landslides	0.10	Sandiness	0.50		
				Wetness	0.50		
				Landslides	0.10		
Jabu----------------	5	Slight		Well suited		Moderate	
						Low strength	0.50
7484:							
Meeks, extremely bouldery-----------	80	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Rock fragments	1.00	Low strength	0.50
		Landslides	0.50	Slope	0.50		
				Landslides	0.50		
Burnlake------------	5	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Rock fragments	1.00	Strength	0.10
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		
Meeks, rubbly-------	5	Severe		Poorly suited		Moderate	
		Landslides	1.00	Rock fragments	1.00	Low strength	0.50
		Stoniness	1.00	Landslides	1.00		
				Slope	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7484:							
Dagget, moist-------	3	Severe		Poorly suited		Slight	
		Landslides	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Landslides	1.00		
		Sandiness	0.50	Slope	0.50		
				Sandiness	0.50		
Tallac, very stony--	3	Slight		Moderately suited		Moderate	
				Slope	0.50	Low strength	0.50
Roadcat-------------	2	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Rock fragments	1.00	Low strength	0.50
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
Jabu----------------	1	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
7485:							
Meeks, extremely bouldery-----------	80	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Landslides	1.00		
		Slope	0.50	Rock fragments	1.00		
Burnlake------------	5	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Rock fragments	1.00	Strength	0.10
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		
Meeks, rubbly-------	5	Severe		Poorly suited		Moderate	
		Landslides	1.00	Rock fragments	1.00	Low strength	0.50
		Stoniness	1.00	Slope	1.00		
		Slope	0.50	Landslides	1.00		
Dagget, moist-------	3	Severe		Poorly suited		Slight	
		Landslides	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Slope	1.00		
		Slope	0.50	Landslides	1.00		
		Sandiness	0.50	Sandiness	0.50		
Tallac, very stony--	3	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
Roadcat-------------	2	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Rock fragments	1.00	Low strength	0.50
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7485:							
Jabu----------	1	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
7486:							
Meeks, extremely bouldery----------	80	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	1.00		
Burnlake----------	5	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Rock fragments	1.00	Strength	0.10
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		
Meeks, rubbly-------	5	Severe		Poorly suited		Moderate	
		Landslides	1.00	Rock fragments	1.00	Low strength	0.50
		Slope	1.00	Slope	1.00		
		Stoniness	1.00	Landslides	1.00		
Dagget, moist-------	3	Severe		Poorly suited		Slight	
		Landslides	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Slope	1.00		
		Slope	1.00	Landslides	1.00		
				Sandiness	0.50		
Tallac, very stony--	3	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
Roadcat----------	2	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Rock fragments	1.00	Low strength	0.50
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
Jabu----------	1	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
7487:							
Meeks, rubbly-------	80	Severe		Poorly suited		Moderate	
		Landslides	1.00	Rock fragments	1.00	Low strength	0.50
		Stoniness	1.00	Landslides	1.00		
				Slope	0.50		
Burnlake----------	5	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Rock fragments	1.00	Strength	0.10
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7487:							
Rockbound very gravelly loam------	5	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	1.00	Slope	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		
Roadcat----------	3	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Rock fragments	1.00	Low strength	0.50
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		
Cagwin----------	2	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Rock fragments	0.50	Low strength	0.50
		Landslides	0.50	Slope	0.50		
		Sandiness	0.50	Sandiness	0.50		
				Landslides	0.50		
Cassenai gravelly loamy coarse sand--	2	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Slope	0.50	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Rock fragments	0.50		
				Landslides	0.10		
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
Rock outcrop--------	1	Not rated		Not rated		Not rated	
Rubble land---------	1	Not rated		Not rated		Not rated	
7488:							
Meeks, rubbly-------	80	Severe		Poorly suited		Moderate	
		Landslides	1.00	Rock fragments	1.00	Low strength	0.50
		Stoniness	1.00	Slope	1.00		
		Slope	0.50	Landslides	1.00		
Burnlake----------	5	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Rock fragments	1.00	Strength	0.10
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		
Rockbound very gravelly loam------	5	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	1.00	Slope	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		
Roadcat----------	3	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Rock fragments	1.00	Low strength	0.50
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7488:							
Cagwin	2	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Cassenai gravelly loamy coarse sand	2	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
		Stoniness	0.50	Rock fragments	0.50		
Aquic Xerorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
7489:							
Meeks, rubbly	80	Severe		Poorly suited		Moderate	
		Landslides	1.00	Rock fragments	1.00	Low strength	0.50
		Slope	1.00	Slope	1.00		
		Stoniness	1.00	Landslides	1.00		
Burnlake	5	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Rock fragments	1.00	Strength	0.10
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		
Rockbound very stony loam	5	Severe		Poorly suited		Slight	
		Slope	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Slope	1.00		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Roadcat	3	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Rock fragments	1.00	Low strength	0.50
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		
Cassenai gravelly loamy coarse sand	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Stoniness	0.50	Landslides	0.50		
				Rock fragments	0.50		
Aquic Xerorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7489:							
Cagwin	1	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
Toem	1	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
7491:							
Oneidas	80	Slight		Poorly suited		Moderate	
				Wetness	1.00	Low strength	0.50
Jabu	10	Slight		Well suited		Moderate	
						Low strength	0.50
Christopher loamy coarse sand	3	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Meeks, stony	3	Severe		Well suited		Moderate	
		Stoniness	1.00	Landslides	0.10	Low strength	0.50
		Landslides	0.10				
Gefo gravelly loamy coarse sand	2	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Marla	2	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
7492:							
Oneidas	80	Slight		Poorly suited		Moderate	
				Wetness	1.00	Low strength	0.50
				Slope	0.50		
Jabu	10	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
Christopher loamy coarse sand	3	Moderate		Poorly suited		Moderate	
		Landslides	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Landslides	0.50		
Meeks, stony	3	Severe		Moderately suited		Moderate	
		Stoniness	1.00	Slope	0.50	Low strength	0.50
Gefo gravelly loamy coarse sand	2	Slight		Moderately suited		Moderate	
		Landslides	0.10	Slope	0.50	Low strength	0.50
				Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7492:							
Marla	2	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
7500:							
Rock outcrop, granitic	90	Not rated		Not rated		Not rated	
Rockbound very stony loam	2	Severe		Poorly suited		Slight	
		Slope	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Slope	1.00		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Rubble land	2	Not rated		Not rated		Not rated	
Toem	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Windyridge	2	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
Freelpeak	1	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Landslides	0.50		
Jobsis	1	Severe		Poorly suited		Moderate	
		Slope	1.00	Rock fragments	1.00	Low strength	0.50
		Stoniness	1.00	Slope	1.00		
				Sandiness	0.50		
7501:							
Rock outcrop, granitic	50	Not rated		Not rated		Not rated	
Rockbound very gravelly loam	30	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	1.00	Slope	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		
Dagget, moist	5	Severe		Poorly suited		Slight	
		Landslides	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Landslides	1.00		
		Sandiness	0.50	Slope	0.50		
				Sandiness	0.50		
Meeks, rubbly	5	Severe		Poorly suited		Moderate	
		Landslides	1.00	Rock fragments	1.00	Low strength	0.50
		Stoniness	1.00	Landslides	1.00		
				Slope	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7501:							
Temo	5	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Rock fragments	1.00	Low strength	0.50
		Sandiness	0.50	Slope	0.50		
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Witefels	5	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Rock fragments	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7502:							
Rock outcrop, granitic	50	Not rated		Not rated		Not rated	
Rockbound very stony loam	25	Severe		Poorly suited		Slight	
		Slope	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Slope	1.00		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Dagget, moist	5	Severe		Poorly suited		Slight	
		Landslides	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Slope	1.00		
		Slope	0.50	Landslides	1.00		
		Sandiness	0.50	Sandiness	0.50		
Glenalpine	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	0.50		
Rubble land	5	Not rated		Not rated		Not rated	
Temo	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Witefels	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
7511:							
Shalgran	70	Severe		Poorly suited		Slight	
		Slope	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Slope	1.00		
				Sandiness	0.50		
Rock outcrop	15	Not rated		Not rated		Not rated	
Sofgran	6	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
				Sandiness	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7511:							
Dystric Xerorthents	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Burnlake	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Jobsis	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
				Sandiness	0.50		
Temo	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
				Sandiness	0.50		
7521:							
Tallac, very stony	75	Slight		Moderately suited		Moderate	
				Slope	0.50	Low strength	0.50
Tallac, rubbly	10	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Rock fragments	0.50	Low strength	0.50
				Slope	0.50		
Tallac, moderately well drained	9	Slight		Well suited		Moderate	
						Low strength	0.50
Meeks, extremely bouldery	5	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Rock fragments	1.00	Low strength	0.50
		Landslides	0.50	Slope	0.50		
				Landslides	0.50		
Aquic Xerorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7522:							
Tallac, very stony	85	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
Meeks, extremely bouldery	10	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Landslides	1.00		
		Slope	0.50	Rock fragments	1.00		
Aquic Xerorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7522:							
Cagwin	1	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Cassenai gravelly loamy coarse sand	1	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
		Stoniness	0.50	Rock fragments	0.50		
Dagget, moist	1	Severe		Poorly suited		Slight	
		Landslides	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Slope	1.00		
		Slope	0.50	Landslides	1.00		
		Sandiness	0.50	Sandiness	0.50		
Rockbound very gravelly loam	1	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	1.00	Slope	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		
7523:							
Tallac, very stony	85	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
Meeks, extremely bouldery	10	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	1.00		
Aquic Xerorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
Cagwin	1	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Cassenai gravelly loamy coarse sand	1	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Stoniness	0.50	Landslides	0.50		
				Rock fragments	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7523:							
Dagget, moist-------	1	Severe		Poorly suited		Slight	
		Landslides	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Slope	1.00		
		Slope	1.00	Landslides	1.00		
				Sandiness	0.50		
Rockbound very stony loam---------	1	Severe		Poorly suited		Slight	
		Slope	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Slope	1.00		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
7524:							
Tallac, moderately well drained-------	80	Slight		Well suited		Moderate	
						Low strength	0.50
Tallac, moderately well drained, 5 to 9 percent slopes---	10	Slight		Moderately suited		Moderate	
				Slope	0.50	Low strength	0.50
Meeks, very stony---	5	Severe		Moderately suited		Moderate	
		Stoniness	1.00	Rock fragments	0.50	Low strength	0.50
Callat--------------	4	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
				Rock fragments	0.50		
Tahoe, gravelly-----	1	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
7525:							
Tallac, moderately well drained-------	80	Slight		Moderately suited		Moderate	
				Slope	0.50	Low strength	0.50
Tallac, moderately well drained, 0 to 5 percent slopes---	10	Slight		Well suited		Moderate	
						Low strength	0.50
Meeks, extremely bouldery-----------	5	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Rock fragments	1.00	Low strength	0.50
		Landslides	0.50	Slope	0.50		
				Landslides	0.50		
Callat--------------	4	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
				Rock fragments	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7525:							
Tahoe, gravelly-----	1	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
7526:							
Tallac, rubbly------	85	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Rock fragments	0.50	Low strength	0.50
				Slope	0.50		
Tallac, moderately well drained-------	10	Slight		Moderately suited		Moderate	
				Slope	0.50	Low strength	0.50
Tallac, very stony--	4	Slight		Moderately suited		Moderate	
				Slope	0.50	Low strength	0.50
Aquic Xerorthents---	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
7531:							
Toem----------	45	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		
Rock outcrop, granitic----------	40	Not rated		Not rated		Not rated	
Cagwin----------	10	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Cassenai gravelly loamy coarse sand--	5	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
		Stoniness	0.50	Rock fragments	0.50		
7532:							
Toem----------	45	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Rock outcrop, granitic----------	40	Not rated		Not rated		Not rated	

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7532:							
Cagwin	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Cassenai gravelly loamy coarse sand	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Stoniness	0.50	Landslides	0.50		
				Rock fragments	0.50		
Dagget very gravelly loamy coarse sand	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	1.00		
				Sandiness	0.50		
7533:							
Toem	45	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Rock outcrop, granitic	40	Not rated		Not rated		Not rated	
Cagwin	10	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Cassenai gravelly loamy coarse sand	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.50	Sandiness	0.50		
		Stoniness	0.50	Landslides	0.50		
				Rock fragments	0.50		
7541:							
Ubaj	80	Moderate		Moderately suited		Moderate	
		Stickiness/slope	0.50	Slope	0.50	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Christopher loamy coarse sand	5	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Jabu	5	Slight		Well suited		Moderate	
						Low strength	0.50
Oneidas	5	Slight		Poorly suited		Moderate	
				Wetness	1.00	Low strength	0.50

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7541:							
Gefo gravelly loamy coarse sand	3	Slight		Well suited		Moderate	
		Landslides	0.10	Landslides	0.10	Low strength	0.50
Marla	2	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
9001:							
Bidart mucky silt loam	50	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Wetness	0.50		
		Flooding	0.50	Ponding	0.50		
		Landslides	0.10	Flooding	0.50		
				Landslides	0.10		
Bidart, wet	30	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Low strength	1.00	Flooding	1.00		
		Wetness	1.00	Low strength	1.00		
		Landslides	0.10	Wetness	1.00		
				Landslides	0.10		
Tahoe, gravelly	5	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
Tahoe silt loam	5	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Wetness	0.50		
		Flooding	0.50	Ponding	0.50		
		Landslides	0.10	Flooding	0.50		
				Landslides	0.10		
Watah	5	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Wetness	1.00	Flooding	1.00		
		Landslides	0.10	Wetness	1.00		
				Landslides	0.10		
Water	3	Not rated		Not rated		Not rated	
Hellhole	2	Severe		Poorly suited		Severe	
		Wetness	1.00	Ponding	1.00	Low strength	1.00
		Landslides	0.10	Low strength	1.00	Wetness	0.50
				Wetness	1.00		
				Landslides	0.10		
9011:							
Oxyaquic Cryorthents	30	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9011:							
Aquic Xerorthents---	28	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
Tahoe, gravelly-----	15	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Ponding	0.50		
		Flooding	0.50	Flooding	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Wetness	0.50		
Bidart mucky silt loam----------	10	Severe		Poorly suited		Severe	
		Low strength	1.00	Low strength	1.00	Low strength	1.00
		Wetness	1.00	Wetness	0.50		
		Flooding	0.50	Ponding	0.50		
		Landslides	0.10	Flooding	0.50		
				Landslides	0.10		
Watah----------	10	Severe		Poorly suited		Severe	
		Flooding	1.00	Ponding	1.00	Low strength	1.00
		Wetness	1.00	Flooding	1.00		
		Landslides	0.10	Wetness	1.00		
				Landslides	0.10		
Marla----------	5	Moderate		Poorly suited		Moderate	
		Wetness	0.50	Ponding	1.00	Low strength	0.50
		Landslides	0.10	Landslides	0.10		
Riverwash----------	2	Not rated		Not rated		Not rated	
9101:							
Callat----------	82	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
				Rock fragments	0.50		
Glenalpine----------	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	0.50		
Meeks, extremely bouldery----------	5	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Landslides	1.00		
		Slope	0.50	Rock fragments	1.00		
Tallac, very stony--	5	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
Rock outcrop--------	2	Not rated		Not rated		Not rated	
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9102:							
Callat	82	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Rock fragments	0.50		
Glenalpine	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	0.50		
Meeks, extremely bouldery	5	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	1.00		
Tallac, very stony	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
Rock outcrop	2	Not rated		Not rated		Not rated	
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
9111:							
Florand	40	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
Lostridge	30	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
Fishsnooze	15	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
Aquic Haplocryolls	3	Moderate		Moderately suited		Slight	
		Sandiness	0.50	Slope	0.50	Strength	0.10
				Sandiness	0.50		
Lithnip, moist	3	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				
Stumpatil	3	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Sandiness	0.50				
Lithnip	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Morscour	2	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Sandiness	0.50	Sandiness	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9111:							
Typic Cryaquolls	2	Severe		Poorly suited		Slight	
		Flooding	1.00	Flooding	1.00	Strength	0.10
		Wetness	1.00	Slope	1.00		
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50	Wetness	0.50		
9121:							
Watsonlake	80	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Landslides	0.50	Slope	0.50		
				Landslides	0.50		
Jorge very cobbly fine sandy loam	5	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Landslides	0.50	Slope	0.50		
				Landslides	0.50		
Sky	5	Severe		Poorly suited		Slight	
		Landslides	1.00	Landslides	1.00	Strength	0.10
		Slope	0.50	Slope	1.00		
		Stickiness/slope	0.50				
Tahoma	5	Slight		Moderately suited		Slight	
				Slope	0.50	Strength	0.10
Waca	2	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Ellispeak	1	Severe		Poorly suited		Moderate	
		Landslides	1.00	Landslides	1.00	Low strength	0.50
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Rock fragments	0.50		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
Rock outcrop	1	Not rated		Not rated		Not rated	
9122:							
Watsonlake	80	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		
		Landslides	0.50	Landslides	0.50		
Jorge very cobbly fine sandy loam	5	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		
		Landslides	0.50	Landslides	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9122:							
Tahoma	5	Moderate		Poorly suited		Slight	
		Slope	0.50	Slope	1.00	Strength	0.10
		Sandiness	0.50				
Waca	5	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
		Sandiness	0.50				
Sky	2	Severe		Poorly suited		Slight	
		Landslides	1.00	Landslides	1.00	Strength	0.10
		Slope	0.50	Slope	1.00		
		Stickiness/slope	0.50				
Ellispeak	1	Severe		Poorly suited		Moderate	
		Landslides	1.00	Landslides	1.00	Low strength	0.50
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Rock fragments	0.50		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
Rock outcrop	1	Not rated		Not rated		Not rated	
9123:							
Watsonlake	80	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Landslides	0.50	Landslides	0.50		
Jorge very cobbly fine sandy loam	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Landslides	0.50	Landslides	0.50		
Tahoma	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Low strength	0.50				
Waca	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Sky	2	Severe		Poorly suited		Slight	
		Landslides	1.00	Slope	1.00	Strength	0.10
		Slope	1.00	Landslides	1.00		
Ellispeak	1	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
				Rock fragments	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9123:							
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
Rock outcrop	1	Not rated		Not rated		Not rated	
9131:							
Lithnip	40	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Meiss	30	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.10	Landslides	0.10		
Hawkinspeak	15	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
Lostridge	4	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
Fishsnooze	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
Rock outcrop	3	Not rated		Not rated		Not rated	
Hawkinspeak, moist	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
Aspocket	1	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
Hawkridge	1	Severe		Poorly suited		Slight	
		Restrictive layer	1.00	Slope	1.00	Strength	0.10
		Slope	0.50				
Typic Cryaquolls	1	Severe		Poorly suited		Slight	
		Flooding	1.00	Flooding	1.00	Strength	0.10
		Wetness	1.00	Slope	0.50		
		Sandiness	0.50	Sandiness	0.50		
				Wetness	0.50		
9141:							
Melody	55	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Landslides	0.10		
		Landslides	0.10				
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9141:							
Sky	10	Severe		Poorly suited		Slight	
		Landslides	1.00	Landslides	1.00	Strength	0.10
		Slope	0.50	Slope	1.00		
		Stickiness/slope	0.50				
Mountrose	5	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Wardcreek	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Lithnip	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Meiss	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.10	Landslides	0.10		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
9142:							
Melody	55	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	
Sky	10	Severe		Poorly suited		Slight	
		Landslides	1.00	Slope	1.00	Strength	0.10
		Slope	1.00	Landslides	1.00		
Mountrose	5	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Wardcreek	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Lithnip	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9142:							
Meiss	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.10	Landslides	0.10		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
9143:							
Melody	55	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	
Sky	10	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	1.00	Landslides	1.00		
Mountrose	5	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Wardcreek	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Lithnip	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Meiss	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.10	Landslides	0.10		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
9151:							
Shakespeare	80	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Landslides	0.50		
Deerhill	5	Moderate		Poorly suited		Moderate	
		Landslides	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Landslides	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9151:							
Mountrose	4	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Melody	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
Wardcreek	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Dagget very gravelly loamy coarse sand	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	1.00		
				Sandiness	0.50		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
Temo	1	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	1.00		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		
Witefels	1	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
9152:							
Shakespeare	80	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Rock fragments	0.50		
				Landslides	0.50		
Deerhill	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.50	Landslides	0.50		
Mountrose	4	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	0.50		
				Sandiness	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9152:							
Melody	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
Wardcreek	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Dagget very gravelly loamy coarse sand	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	1.00		
				Sandiness	0.50		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
Temo	1	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Witefels	1	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
9161:							
Sky	80	Severe		Poorly suited		Slight	
		Landslides	1.00	Landslides	1.00	Strength	0.10
		Slope	0.50	Slope	1.00		
		Stickiness/slope	0.50				
Melody	10	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Landslides	0.10		
		Landslides	0.10				
Mountrose	4	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Wardcreek	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9161:							
Lithnip	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Meiss	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.10	Landslides	0.10		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
9162:							
Sky	80	Severe		Poorly suited		Slight	
		Landslides	1.00	Slope	1.00	Strength	0.10
		Slope	1.00	Landslides	1.00		
Melody	10	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
Mountrose	4	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Wardcreek	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Lithnip	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Meiss	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.10	Landslides	0.10		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
9163:							
Sky	80	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	1.00	Landslides	1.00		
Melody	10	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9163:							
Mountrose	4	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Wardcreek	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Lithnip	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Meiss	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.10	Landslides	0.10		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
9164:							
Sky	50	Severe		Poorly suited		Slight	
		Landslides	1.00	Landslides	1.00	Strength	0.10
		Slope	0.50	Slope	1.00		
		Stickiness/slope	0.50				
Melody	40	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	1.00	Slope	1.00		
		Slope	0.50	Landslides	0.10		
		Landslides	0.10				
Mountrose	4	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Wardcreek	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Lithnip	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Meiss	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.10	Landslides	0.10		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9165:							
Sky	50	Severe		Poorly suited		Slight	
		Landslides	1.00	Slope	1.00	Strength	0.10
		Slope	1.00	Landslides	1.00		
Melody	40	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
Mountrose	4	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Wardcreek	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Lithnip	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Meiss	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.10	Landslides	0.10		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
9166:							
Sky	50	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	1.00	Landslides	1.00		
Melody	40	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
Mountrose	4	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Wardcreek	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Lithnip	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9166:							
Meiss	1	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.10	Landslides	0.10		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
9171:							
Mountrose	35	Severe		Poorly suited		Moderate	
		Landslides	1.00	Slope	1.00	Low strength	0.50
		Slope	1.00	Landslides	1.00		
		Stoniness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Wardcreek	25	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Landslides	0.50		
Melody	20	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
Meiss	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.10	Landslides	0.10		
Rock outcrop	5	Not rated		Not rated		Not rated	
Rubble land	5	Not rated		Not rated		Not rated	
Sky	5	Severe		Poorly suited		Slight	
		Landslides	1.00	Slope	1.00	Strength	0.10
		Slope	1.00	Landslides	1.00		
9401:							
Dagget very gravelly loamy coarse sand	75	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		
		Sandiness	0.50	Sandiness	0.50		
Temo	5	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	1.00		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		
Witefels	4	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9401:							
Jobsis	3	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Rock fragments	1.00	Low strength	0.50
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		
Rock outcrop	3	Not rated		Not rated		Not rated	
Whittell	3	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Landslides	0.50	Slope	1.00		
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Cagwin	2	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Cassenai, moist	2	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Landslides	0.50	Rock fragments	0.50		
				Landslides	0.50		
Toem	2	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
9402:							
Dagget very gravelly loamy coarse sand	75	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	1.00		
				Sandiness	0.50		
Temo	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Witefels	4	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
Jobsis	3	Severe		Poorly suited		Moderate	
		Slope	1.00	Rock fragments	1.00	Low strength	0.50
		Stoniness	1.00	Slope	1.00		
				Sandiness	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9402:							
Rock outcrop--------	3	Not rated		Not rated		Not rated	
Whittell----------	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Cagwin----------	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Cassenai, moist-----	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.50	Rock fragments	0.50		
				Landslides	0.50		
Toem----------	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
9403:							
Dagget very gravelly loamy coarse sand--------	75	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	1.00		
				Sandiness	0.50		
Temo----------	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Witefels----------	4	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
Jobsis----------	3	Severe		Poorly suited		Moderate	
		Slope	1.00	Rock fragments	1.00	Low strength	0.50
		Stoniness	1.00	Slope	1.00		
				Sandiness	0.50		
Rock outcrop--------	3	Not rated		Not rated		Not rated	

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9403:							
Whittell	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Cagwin	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Cassenai, moist	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	1.00	Landslides	1.00		
				Rock fragments	0.50		
Toem	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
9404:							
Dagget, moist	80	Severe		Poorly suited		Slight	
		Landslides	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Landslides	1.00		
		Sandiness	0.50	Slope	0.50		
				Sandiness	0.50		
Cassenai, moist	5	Slight		Moderately suited		Moderate	
		Landslides	0.10	Slope	0.50	Low strength	0.50
				Rock fragments	0.50		
				Landslides	0.10		
Rockbound very gravelly loam	5	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	1.00	Slope	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		
Jobsis	2	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Rock fragments	1.00	Low strength	0.50
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		
Oxyaquic Cryorthents	2	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9404:							
Temo	2	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Rock fragments	1.00	Low strength	0.50
		Sandiness	0.50	Slope	0.50		
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Whittell	2	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Landslides	0.50	Slope	1.00		
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Witefels	2	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Rock fragments	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
9405:							
Dagget, moist	80	Severe		Poorly suited		Slight	
		Landslides	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Slope	1.00		
		Slope	0.50	Landslides	1.00		
		Sandiness	0.50	Sandiness	0.50		
Cassenai, moist	5	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Landslides	0.50	Rock fragments	0.50		
				Landslides	0.50		
Rockbound very gravelly loam	5	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Restrictive layer	1.00	Slope	0.50		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		
Jobsis	2	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Rock fragments	1.00	Low strength	0.50
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		
Oxyaquic Cryorthents	2	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
Temo	2	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	1.00		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		
Whittell	2	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Landslides	0.50	Slope	1.00		
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9405:							
Witefels	2	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
9406:							
Dagget, moist	80	Severe		Poorly suited		Slight	
		Landslides	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Slope	1.00		
		Slope	1.00	Landslides	1.00		
				Sandiness	0.50		
Cassenai, moist	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	1.00	Landslides	1.00		
				Rock fragments	0.50		
Rockbound very stony loam	5	Severe		Poorly suited		Slight	
		Slope	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Slope	1.00		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Jobsis	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Rock fragments	1.00	Low strength	0.50
		Stoniness	1.00	Slope	1.00		
				Sandiness	0.50		
Oxyaquic Cryorthents	2	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
Temo	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Whittell	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Witefels	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
9407:							
Dagget, moist	55	Severe		Poorly suited		Slight	
		Landslides	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Slope	1.00		
		Slope	1.00	Landslides	1.00		
				Sandiness	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9407:							
Rock outcrop, granitic	25	Not rated		Not rated		Not rated	
Temo	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Witefels	5	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
Whittell	4	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	1.00	Rock fragments	1.00		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Cassenai, moist	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Landslides	1.00	Landslides	1.00		
				Rock fragments	0.50		
Jobsis	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Rock fragments	1.00	Low strength	0.50
		Stoniness	1.00	Slope	1.00		
				Sandiness	0.50		
Oxyaquic Cryorthents	2	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
9411:							
Freelpeak	50	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Landslides	0.50		
Windyridge	25	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
Rock outcrop	10	Not rated		Not rated		Not rated	
Jobsis	8	Severe		Poorly suited		Moderate	
		Slope	1.00	Rock fragments	1.00	Low strength	0.50
		Stoniness	1.00	Slope	1.00		
				Sandiness	0.50		
Whittell	3	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9411:							
Waterpeak	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
Buggin	1	Severe		Poorly suited		Slight	
		Slope	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Slope	1.00		
				Sandiness	0.50		
Glaciers	1	Not rated		Not rated		Not rated	
9421:							
Jobsis	45	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Rock fragments	1.00	Low strength	0.50
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		
Whittell	25	Moderate		Poorly suited		Slight	
		Landslides	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Rock outcrop	15	Not rated		Not rated		Not rated	
Typic Cryorthents, 8 to 30 percent slopes	4	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Slope	1.00	Low strength	0.50
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				
Windyridge	4	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
Klauspeak	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
				Sandiness	0.50		
Shalgran	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Buggin	1	Severe		Poorly suited		Slight	
		Stoniness	1.00	Rock fragments	1.00	Strength	0.10
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		
Typic Cryorthents, 4 to 30 percent slopes	1	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Slope	1.00	Low strength	0.50
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				
Waterpeak	1	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Slope	1.00	Low strength	0.50
		Slope	0.50				
		Sandiness	0.50				

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9431:							
Sofgran	40	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
				Sandiness	0.50		
Klauspeak	30	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
				Sandiness	0.50		
Temo	15	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
				Sandiness	0.50		
Rock outcrop	4	Not rated		Not rated		Not rated	
Shalgran	4	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Xeric Humicryepts	3	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
				Sandiness	0.50		
Stumpatil	2	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Sandiness	0.50				
Aquic Haplocryolls	1	Severe		Poorly suited		Slight	
		Stoniness	1.00	Slope	1.00	Strength	0.10
		Slope	0.50	Sandiness	0.50		
		Sandiness	0.50				
Hopeval	1	Severe		Poorly suited		Severe	
		Flooding	1.00	Flooding	1.00	Low strength	1.00
		Wetness	1.00	Low strength	0.50		
		Low strength	0.50	Wetness	0.50		
9441:							
Temo	45	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Rock fragments	1.00	Low strength	0.50
		Sandiness	0.50	Slope	0.50		
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Witefels	35	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Rock fragments	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Landslides	0.10		
Rock outcrop	10	Not rated		Not rated		Not rated	

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9441:							
Dagget very gravelly loamy coarse sand--------	5	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		
		Sandiness	0.50	Sandiness	0.50		
Cagwin----------	4	Moderate		Moderately suited		Moderate	
		Stoniness	0.50	Rock fragments	0.50	Low strength	0.50
		Landslides	0.50	Slope	0.50		
		Sandiness	0.50	Sandiness	0.50		
				Landslides	0.50		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
9442:							
Temo----------	45	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	1.00		
		Sandiness	0.50	Sandiness	0.50		
		Landslides	0.10	Landslides	0.10		
Witefels----------	35	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
Rock outcrop--------	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand--------	5	Moderate		Poorly suited		Slight	
		Stoniness	0.50	Slope	1.00	Strength	0.10
		Slope	0.50	Rock fragments	1.00		
		Sandiness	0.50	Sandiness	0.50		
Cagwin----------	4	Moderate		Poorly suited		Moderate	
		Stoniness	0.50	Slope	1.00	Low strength	0.50
		Slope	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
		Sandiness	0.50	Landslides	0.50		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
9443:							
Temo----------	45	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9443:							
Witefels	35	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	1.00		
				Sandiness	0.50		
Cagwin	4	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		
9444:							
Temo	45	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Sandiness	0.50		
				Landslides	0.10		
Witefels	35	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
		Landslides	0.10	Landslides	0.10		
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Stoniness	0.50	Rock fragments	1.00		
				Sandiness	0.50		
Cagwin	4	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	0.50		
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Oxyaquic Cryorthents	1	Severe		Poorly suited		Moderate	
		Flooding	1.00	Flooding	1.00	Low strength	0.50
		Landslides	0.10	Slope	0.50		
				Sandiness	0.50		
				Landslides	0.10		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9451:							
Waterpeak	80	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
		Stoniness	0.50	Rock fragments	1.00		
Rock outcrop	10	Not rated		Not rated		Not rated	
Shalgran	4	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Typic Cryorthents	4	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
				Sandiness	0.50		
Pachic Haplocryolls	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
9461:							
Whittell	45	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
		Landslides	0.50	Sandiness	0.50		
				Landslides	0.50		
Jobsis	25	Severe		Poorly suited		Moderate	
		Slope	1.00	Rock fragments	1.00	Low strength	0.50
		Stoniness	1.00	Slope	1.00		
				Sandiness	0.50		
Rock outcrop	15	Not rated		Not rated		Not rated	
Jobsis, 8 to 30 percent slopes	4	Severe		Poorly suited		Moderate	
		Stoniness	1.00	Rock fragments	1.00	Low strength	0.50
		Slope	0.50	Slope	1.00		
		Sandiness	0.50	Sandiness	0.50		
Windyridge	4	Moderate		Poorly suited		Moderate	
		Slope	0.50	Slope	1.00	Low strength	0.50
		Sandiness	0.50	Sandiness	0.50		
Klauspeak	2	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
				Sandiness	0.50		
Shalgran	2	Severe		Poorly suited		Slight	
		Slope	1.00	Slope	1.00	Strength	0.10
				Sandiness	0.50		
Buggin	1	Severe		Poorly suited		Slight	
		Slope	1.00	Rock fragments	1.00	Strength	0.10
		Stoniness	1.00	Slope	1.00		
				Sandiness	0.50		
Typic Cryorthents	1	Severe		Poorly suited		Moderate	
		Slope	1.00	Slope	1.00	Low strength	0.50
				Sandiness	0.50		

Table 10.--Haul Roads, Log Landings, and Soil Rutting on Forestland--Continued

Map symbol and component name	Pct. of map unit	Limitations affecting construction of haul roads and log landings		Suitability for log landings		Soil rutting hazard	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9461:							
Waterpeak	1	Severe Slope	1.00	Poorly suited Slope	1.00	Moderate Low strength	0.50
W:							
Water	100	Not rated		Not rated		Not rated	

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table)

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7011:							
Beaches	64	Not rated		Not rated		Not rated	
Oxyaquic Xeropsamments	10	Slight		Slight		Moderately suited	
						Wetness	0.50
Watah	7	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Wetness	1.00
						Landslides	0.10
Gefo, barrier beach	6	Slight		Slight		Well suited	
						Landslides	0.10
Marla	5	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
Cagwin	1	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Rock fragments	0.50
						Slope	0.50
						Sandiness	0.50
						Landslides	0.50
Cassenai gravelly loamy coarse sand	1	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50
						Landslides	0.10
Dunes	1	Not rated		Not rated		Not rated	
Jorge very gravelly sandy loam	1	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe silt loam	1	Slight		Slight		Poorly suited	
						Low strength	1.00
						Wetness	0.50
						Ponding	0.50
						Flooding	0.50
						Landslides	0.10
Tahoma	1	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7011:							
Toem	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
7021:							
Hellhole	80	Very severe		Very severe		Poorly suited	
		Organic matter content high	1.00	Organic matter content high	1.00	Ponding	1.00
						Low strength	1.00
						Wetness	1.00
						Landslides	0.10
Bidart, wet	10	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Low strength	1.00
						Wetness	1.00
						Landslides	0.10
Watah	5	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Wetness	1.00
						Landslides	0.10
Water	5	Not rated		Not rated		Not rated	
7031:							
Pits	45	Not rated		Not rated		Not rated	
Dumps	45	Not rated		Not rated		Not rated	
Arents	5	Not rated		Not rated		Not rated	
Xerorthents	5	Not rated		Not rated		Not rated	
7041:							
Tahoe silt loam	55	Slight		Slight		Poorly suited	
						Low strength	1.00
						Wetness	0.50
						Ponding	0.50
						Flooding	0.50
						Landslides	0.10
Tahoe silt loam, wet	25	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Low strength	1.00
						Wetness	0.50
						Sandiness	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7041:							
Marla	10	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
Tahoe, gravelly	5	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50
Watah	5	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Wetness	1.00
						Landslides	0.10
7042:							
Tahoe, gravelly	55	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50
Tahoe, gravelly, wet	25	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Low strength	1.00
						Wetness	0.50
						Sandiness	0.50
Marla	5	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
Riverwash	5	Not rated		Not rated		Not rated	
Tahoe silt loam	5	Slight		Slight		Poorly suited	
						Low strength	1.00
						Wetness	0.50
						Ponding	0.50
						Flooding	0.50
						Landslides	0.10
Watah	5	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Wetness	1.00
						Landslides	0.10
7043:							
Tahoe, drained	80	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7043:							
Marla	5	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
Tahoe, gravelly	5	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50
Tahoe silt loam, wet	5	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Low strength	1.00
						Wetness	0.50
						Sandiness	0.50
Watah	5	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Wetness	1.00
						Landslides	0.10
7051:							
Oxyaquic Xerorthents	60	Slight		Slight		Moderately suited	
						Sandiness	0.50
						Landslides	0.10
Water	38	Not rated		Not rated		Not rated	
Marla	1	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
Watah	1	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Wetness	1.00
						Landslides	0.10
7061:							
Urban land	100	Not rated		Not rated		Not rated	
7071:							
Watah	75	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Wetness	1.00
						Landslides	0.10
Tahoe, gravelly, wet	9	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Low strength	1.00
						Wetness	0.50
						Sandiness	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7071:							
Tahoe silt loam, wet	8	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Low strength	1.00
						Wetness	0.50
						Sandiness	0.50
Marla	3	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
Bidart, wet	2	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Low strength	1.00
						Wetness	1.00
						Landslides	0.10
Water	2	Not rated		Not rated		Not rated	
Hellhole	1	Very severe		Very severe		Poorly suited	
		Organic matter content high	1.00	Organic matter content high	1.00	Ponding	1.00
						Low strength	1.00
						Wetness	1.00
						Landslides	0.10
7101:							
Caverock	80	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.10
Cagwin	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Cassenai gravelly loamy coarse sand	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
Deerhill	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Genoapeak	2	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Southcamp	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7101:							
Zephyrcove	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	0.50
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
7111:							
Deerhill	80	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Cassenai gravelly loamy coarse sand	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
Cagwin	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Shakespeare	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Southcamp	3	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Landslides	0.50
Zephyrcove	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	0.50
Genoapeak	2	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
7112:							
Deerhill	80	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7112:							
Cassenai gravelly loamy coarse sand--	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
Cagwin----------	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Shakespeare----------	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Landslides	0.50
Southcamp----------	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Zephyrcove----------	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	0.50
Genoapeak----------	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Aquic Xerorthents---	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
7121:							
Ellispeak----------	45	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
						Rock fragments	0.50
Rock outcrop, volcanic----------	40	Not rated		Not rated		Not rated	
Waca----------	10	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Kneeridge, well drained----------	2	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.50
Paige----------	2	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7121:							
Tahoe, gravelly-----	1	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50
7122:							
Ellispeak-----------	45	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
Rock outcrop, volcanic-----------	40	Not rated		Not rated		Not rated	
Waca----------	10	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Kneeridge, well drained----------	3	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.50
Aquic Xerorthents---	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
Paige----------	1	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.10
7123:							
Ellispeak-----------	45	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
Rock outcrop, volcanic-----------	40	Not rated		Not rated		Not rated	
Waca----------	10	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Kneeridge, well drained----------	3	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.50
Aquic Xerorthents---	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7123:							
Paige	1	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.10
7131:							
Ellispeak	45	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
						Rock fragments	0.50
Waca	40	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
7132:							
Ellispeak	45	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
Waca	40	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
7133:							
Ellispeak	45	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
Waca	40	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Rock outcrop	10	Not rated		Not rated		Not rated	

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7133:							
Windy	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
7141:							
Inville	80	Slight		Slight		Moderately suited	
						Slope	0.50
						Landslides	0.10
Christopher loamy coarse sand	10	Slight		Moderate		Well suited	
				Slope/erodibility	0.50	Landslides	0.10
Cassenai gravelly loamy coarse sand	4	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50
						Landslides	0.10
Jorge very gravelly sandy loam	3	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50
Kingsbeach	2	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.10
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
7142:							
Inville	80	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.10
Cassenai gravelly loamy coarse sand	10	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50
						Landslides	0.10
Christopher gravelly loamy coarse sand	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7142:							
Jorge very gravelly sandy loam---------	3	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50
Meeks, extremely bouldery----------	2	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Landslides	0.50
Aquic Xerorthents---	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
7143:							
Inville----------	80	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Landslides	0.10
Cassenai gravelly loamy coarse sand--	10	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
Christopher gravelly loamy coarse sand--------	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Jorge very gravelly sandy loam---------	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Rock fragments	0.50
Meeks, extremely bouldery----------	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	1.00
Aquic Xerorthents---	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7151:							
Jorge very cobbly fine sandy loam	80	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Landslides	0.50
Tahoma	5	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
Waca	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Jorge very cobbly loam	4	Slight		Slight		Moderately suited	
						Rock fragments	0.50
						Slope	0.50
Ellispeak	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
						Rock fragments	0.50
Sky	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
Rock outcrop	1	Not rated		Not rated		Not rated	
7152:							
Jorge very cobbly fine sandy loam	80	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	1.00
						Landslides	0.50
Tahoma	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Waca	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Jorge very cobbly loam	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
Ellispeak	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
						Rock fragments	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7152:							
Sky	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
Rock outcrop	1	Not rated		Not rated		Not rated	
7153:							
Jorge very cobbly fine sandy loam	80	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.50
Tahoma	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Waca	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Jorge very cobbly loam	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
Ellispeak	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
Sky	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
Rock outcrop	1	Not rated		Not rated		Not rated	
7154:							
Jorge very cobbly loam	75	Slight		Slight		Moderately suited	
						Rock fragments	0.50
						Slope	0.50
Rubble land	10	Not rated		Not rated		Not rated	
Tahoma	5	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7154:							
Ellispeak	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
						Rock fragments	0.50
Rock outcrop	3	Not rated		Not rated		Not rated	
Waca	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Tahoe, gravelly	1	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50
7155:							
Jorge very cobbly loam	75	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
Rubble land	10	Not rated		Not rated		Not rated	
Tahoma	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Ellispeak	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
						Rock fragments	0.50
Rock outcrop	3	Not rated		Not rated		Not rated	
Waca	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Tahoe, gravelly	1	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50
7156:							
Jorge very gravelly sandy loam	45	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Rock fragments	0.50
Tahoma	35	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7156:							
Waca	10	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Inville	5	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Landslides	0.10
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
						Rock fragments	0.50
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50
7157:							
Jorge very gravelly sandy loam	55	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Rock fragments	0.50
Tahoma	25	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Waca	10	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Inville	5	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Landslides	0.10
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7161:							
Kingsbeach	80	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.10
Tahoma	10	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
Jorge very gravelly sandy loam	8	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50
Beaches	1	Not rated		Not rated		Not rated	
Dunes	1	Not rated		Not rated		Not rated	
7171:							
Kneeridge, extremely stony	80	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Rock fragments	0.50
						Landslides	0.50
Jorge very gravelly sandy loam	9	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50
Paige	5	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.10
Waca	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Tahoe, gravelly	1	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50
7172:							
Kneeridge, well drained	80	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.50
Jorge very gravelly sandy loam	9	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7172:							
Paige	5	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.10
Waca	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Tahoe, gravelly	1	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50
7173:							
Kneeridge, very stony	80	Slight		Slight		Well suited	
						Landslides	0.10
Jorge very gravelly sandy loam	9	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50
Paige	5	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.10
Waca	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Tahoe, gravelly	1	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50
7174:							
Kneeridge, very stony	80	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.50
Jorge very gravelly sandy loam	9	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50
Paige	5	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7174:							
Waca	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Tahoe, gravelly	1	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50
7181:							
Paige	80	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.10
Kneeridge, well drained	7	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.50
Jorge very gravelly sandy loam	6	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50
Tahoe, gravelly	5	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50
Waca	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
7182:							
Paige	80	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Landslides	0.10
Jorge very gravelly sandy loam	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Rock fragments	0.50
Tahoma	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Waca	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7182:							
Kneeridge, well drained	4	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.50
Tahoe, gravelly	1	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50
7183:							
Paige	84	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.10
Jorge very gravelly sandy loam	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Rock fragments	0.50
Tahoma	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Waca	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Tahoe, gravelly	1	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50
7191:							
Rock outcrop, volcanic	90	Not rated		Not rated		Not rated	
Glenalpine	2	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
Lithnip	2	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Meiss	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.10
Melody	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7191:							
Rubble land	2	Not rated		Not rated		Not rated	
7201:							
Rubble land, talus	45	Not rated		Not rated		Not rated	
Glenalpine	40	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
Rock outcrop	10	Not rated		Not rated		Not rated	
Rockbound very stony loam	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
						Landslides	0.50
7211:							
Southcamp	80	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Cassenai gravelly loamy coarse sand	5	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
Genoapeak	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Zephyrcove	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	0.50
Cagwin	2	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Deerhill	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7221:							
Tahoma	80	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
Waca	10	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Inville	4	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.10
Rubble land	3	Not rated		Not rated		Not rated	
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
Ellispeak	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
						Rock fragments	0.50
Rock outcrop	1	Not rated		Not rated		Not rated	
7222:							
Tahoma	50	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
Jorge very gravelly sandy loam	30	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50
Waca	10	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Inville	5	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.10
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
						Rock fragments	0.50
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7231:							
Waca	80	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Ellispeak	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
						Rock fragments	0.50
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Kneeridge, well drained	2	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.50
Paige	2	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Landslides	0.10
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
7232:							
Waca	80	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Ellispeak	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Kneeridge, well drained	2	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.50
Paige	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.10
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7232:							
Typic Epiaquents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
7233:							
Waca	80	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Ellispeak	5	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Kneeridge, well drained	2	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.50
Paige	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.10
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
7241:							
Zephyrcove	50	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	0.50
Southcamp	20	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Landslides	0.50
Genoapeak	17	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Cagwin	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7241:							
Cassenai gravelly loamy coarse sand--	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
Deerhill----------	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Aquic Xerorthents---	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
7242:							
Zephyrcove----------	50	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	0.50
Southcamp----------	20	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Genoapeak----------	17	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Cagwin----------	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Cassenai gravelly loamy coarse sand--	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
Deerhill----------	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Aquic Xerorthents---	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7401:							
Burnlake	60	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Roadcat	25	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Hardtil	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Aquic Haplocryolls	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Aspetill	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Cumulic Cryaquolls	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Flooding	1.00
						Slope	1.00
						Wetness	0.50
						Sandiness	0.50
Stumpatil	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Typic Haploxerepts	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Rock outcrop	1	Not rated		Not rated		Not rated	
7411:							
Cagwin	50	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Rock fragments	0.50
						Slope	0.50
						Sandiness	0.50
						Landslides	0.50
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50
						Landslides	0.10
Toem	10	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7411:							
Dagget very gravelly loamy coarse sand	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Temo	2	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
Witefels	2	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Landslides	0.10
Marla	1	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
7412:							
Cagwin	50	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
Toem	10	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
Dagget very gravelly loamy coarse sand	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Temo	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7412:							
Witefels	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
Marla	1	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
7413:							
Cagwin	50	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
Toem	10	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
Dagget very gravelly loamy coarse sand	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Temo	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.10
Witefels	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
Marla	1	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7414:							
Cagwin	50	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
Toem	10	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
Dagget very gravelly loamy coarse sand	5	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Temo	2	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.10
Witefels	2	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
Marla	1	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
7421:							
Cassenai gravelly loamy coarse sand	78	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50
						Landslides	0.10
Cagwin	12	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Rock fragments	0.50
						Slope	0.50
						Sandiness	0.50
						Landslides	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7421:							
Toem	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
Rock outcrop	3	Not rated		Not rated		Not rated	
Christopher gravelly loamy coarse sand	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Christopher loamy coarse sand	1	Slight		Slight		Well suited	
						Landslides	0.10
Marla	1	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
7422:							
Cassenai gravelly loamy coarse sand	73	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
Cagwin	12	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Dagget very gravelly loamy coarse sand	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Toem	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
Aquic Xerorthents	2	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7422:							
Christopher gravelly loamy coarse sand	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Rock outcrop	2	Not rated		Not rated		Not rated	
7423:							
Cassenai gravelly loamy coarse sand	78	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
Cagwin	12	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Toem	4	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
Rock outcrop	3	Not rated		Not rated		Not rated	
Christopher gravelly loamy coarse sand	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
7424:							
Cassenai gravelly loamy coarse sand	78	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
Cagwin	12	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7424:							
Toem	5	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
Rock outcrop	4	Not rated		Not rated		Not rated	
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
7425:							
Cassenai, moist	80	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Rock fragments	0.50
						Landslides	0.10
Cagwin	5	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Rock fragments	0.50
						Slope	0.50
						Sandiness	0.50
						Landslides	0.50
Meeks, extremely bouldery	5	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Landslides	0.50
Tallac, very stony	5	Slight		Slight		Moderately suited	
						Slope	0.50
Rock outcrop	2	Not rated		Not rated		Not rated	
Toem	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
Marla	1	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
7426:							
Cassenai, moist	80	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Landslides	0.50
Cagwin	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7426:							
Tallac, very stony--	5	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
Meeks, extremely bouldery----------	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	1.00
Rock outcrop--------	2	Not rated		Not rated		Not rated	
Toem----------	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
Aquic Xerorthents---	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
Marla----------	1	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
7427:							
Cassenai, moist-----	80	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Landslides	0.50
Cagwin----------	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Meeks, extremely bouldery----------	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	1.00
Toem----------	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
Rock outcrop--------	2	Not rated		Not rated		Not rated	
Tallac, very stony--	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Aquic Xerorthents---	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7428:							
Cassenai, moist-----	80	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
Cagwin----------	5	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Meeks, extremely bouldery----------	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	1.00
Toem----------	5	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
Rock outcrop--------	2	Not rated		Not rated		Not rated	
Tallac, very stony--	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Aquic Xerorthents---	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
7431:							
Celio----------	80	Slight		Slight		Moderately suited	
						Ponding	0.50
						Sandiness	0.50
						Wetness	0.50
						Landslides	0.10
Meeks, stony--------	7	Slight		Slight		Well suited	
						Landslides	0.10
Tahoe, gravelly-----	5	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50
Marla----------	4	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
Watah----------	4	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Wetness	1.00
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7441:							
Christopher loamy coarse sand	80	Slight		Moderate		Well suited	
				Slope/erodibility	0.50	Landslides	0.10
Gefo gravelly loamy coarse sand	10	Slight		Slight		Well suited	
						Landslides	0.10
Jabu	5	Slight		Moderate		Well suited	
				Slope/erodibility	0.50		
Oneidas	3	Slight		Slight		Poorly suited	
						Wetness	1.00
Marla	2	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
7442:							
Christopher loamy coarse sand	80	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Gefo gravelly loamy coarse sand	10	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.10
Jabu	5	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
Oneidas	3	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Wetness	1.00
						Slope	0.50
Marla	2	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
7443:							
Christopher gravelly loamy coarse sand	80	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Gefo gravelly loamy coarse sand	10	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.10
Jabu	5	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7443:							
Oneidas	3	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Wetness	1.00
						Slope	0.50
Marla	2	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
7444:							
Christopher loamy coarse sand	45	Slight		Slight		Well suited	
						Landslides	0.10
Gefo gravelly loamy coarse sand	35	Slight		Slight		Well suited	
						Landslides	0.10
Jabu	5	Slight		Moderate		Well suited	
				Slope/erodibility	0.50		
Marla	5	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
Oneidas	5	Slight		Slight		Poorly suited	
						Wetness	1.00
Ubaj	5	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.10
7451:							
Gefo gravelly loamy coarse sand	80	Slight		Slight		Well suited	
						Landslides	0.10
Christopher loamy coarse sand	10	Slight		Moderate		Well suited	
				Slope/erodibility	0.50	Landslides	0.10
Jabu	5	Slight		Moderate		Well suited	
				Slope/erodibility	0.50		
Oneidas	3	Slight		Slight		Poorly suited	
						Wetness	1.00
Marla	2	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
7452:							
Gefo gravelly loamy coarse sand	80	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7452:							
Christopher loamy coarse sand	10	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Jabu	5	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
Oneidas	3	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Wetness	1.00
						Slope	0.50
Marla	2	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
7461:							
Jabu	80	Slight		Moderate		Well suited	
				Slope/erodibility	0.50		
Christopher loamy coarse sand	10	Slight		Moderate		Well suited	
				Slope/erodibility	0.50	Landslides	0.10
Oneidas	5	Slight		Slight		Poorly suited	
						Wetness	1.00
Gefo gravelly loamy coarse sand	3	Slight		Slight		Well suited	
						Landslides	0.10
Marla	2	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
7462:							
Jabu	80	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
Christopher loamy coarse sand	10	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Oneidas	5	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Wetness	1.00
						Slope	0.50
Gefo gravelly loamy coarse sand	3	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.10
Marla	2	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7471:							
Marla	80	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
Christopher loamy coarse sand	4	Slight		Slight		Well suited	
						Landslides	0.10
Gefo gravelly loamy coarse sand	4	Slight		Slight		Well suited	
						Landslides	0.10
Tahoe silt loam	4	Slight		Slight		Poorly suited	
						Low strength	1.00
						Wetness	0.50
						Ponding	0.50
						Flooding	0.50
						Landslides	0.10
Ubaj	4	Slight		Moderate Slope/erodibility	0.50	Moderately suited	
						Slope	0.50
						Landslides	0.10
Watah	4	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Wetness	1.00
						Landslides	0.10
7481:							
Meeks, stony	85	Slight		Slight		Well suited	
						Landslides	0.10
Cassenai gravelly loamy coarse sand	5	Slight		Moderate Slope/erodibility	0.50	Moderately suited	
						Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50
						Landslides	0.10
Celio	5	Slight		Slight		Moderately suited	
						Ponding	0.50
						Sandiness	0.50
						Wetness	0.50
						Landslides	0.10
Gefo gravelly loamy coarse sand	4	Slight		Slight		Well suited	
						Landslides	0.10
Tahoe, gravelly	1	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7482:							
Meeks, stony--------	80	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
Cassenai gravelly loamy coarse sand--	10	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50
						Landslides	0.10
Oneidas-------------	7	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Wetness	1.00
						Slope	0.50
Celio---------------	3	Slight		Slight		Moderately suited	
						Ponding	0.50
						Sandiness	0.50
						Wetness	0.50
						Landslides	0.10
7483:							
Meeks, very stony---	85	Slight		Slight		Moderately suited	
						Rock fragments	0.50
Cassenai gravelly loamy coarse sand--	5	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50
						Landslides	0.10
Celio---------------	5	Slight		Slight		Moderately suited	
						Ponding	0.50
						Sandiness	0.50
						Wetness	0.50
						Landslides	0.10
Jabu----------------	5	Slight		Moderate		Well suited	
				Slope/erodibility	0.50		
7484:							
Meeks, extremely bouldery-----------	80	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Landslides	0.50
Burnlake------------	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Meeks, rubbly-------	5	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Landslides	1.00
						Slope	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7484:							
Dagget, moist-------	3	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Landslides	1.00
						Slope	0.50
						Sandiness	0.50
Tallac, very stony--	3	Slight		Slight		Moderately suited	
						Slope	0.50
Roadcat-------------	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Aquic Xerorthents---	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
Jabu----------------	1	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
7485:							
Meeks, extremely bouldery-----------	80	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	1.00
Burnlake------------	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Meeks, rubbly-------	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	1.00
Dagget, moist-------	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	1.00
						Sandiness	0.50
Tallac, very stony--	3	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
Roadcat-------------	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Aquic Xerorthents---	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7485:							
Jabu	1	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
7486:							
Meeks, extremely bouldery	80	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	1.00
Burnlake	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Meeks, rubbly	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	1.00
Dagget, moist	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	1.00
						Sandiness	0.50
Tallac, very stony	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Roadcat	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
Jabu	1	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
7487:							
Meeks, rubbly	80	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Landslides	1.00
						Slope	0.50
Burnlake	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7487:							
Rockbound very gravelly loam	5	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
Roadcat	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Cagwin	2	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Rock fragments	0.50
						Slope	0.50
						Sandiness	0.50
						Landslides	0.50
Cassenai gravelly loamy coarse sand	2	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
						Rock fragments	0.50
						Landslides	0.10
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
7488:							
Meeks, rubbly	80	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	1.00
Burnlake	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Rockbound very gravelly loam	5	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
Roadcat	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7488:							
Cagwin	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Cassenai gravelly loamy coarse sand	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
7489:							
Meeks, rubbly	80	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	1.00
Burnlake	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Rockbound very stony loam	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Roadcat	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Cassenai gravelly loamy coarse sand	2	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
Aquic Xerorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7489:							
Cagwin	1	Very severe Slope/erodibility	0.95	Severe Slope/erodibility	0.95	Poorly suited Slope Rock fragments Sandiness Landslides	1.00 0.50 0.50 0.50
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
Toem	1	Very severe Slope/erodibility	0.95	Severe Slope/erodibility	0.95	Poorly suited Slope Sandiness Landslides	1.00 0.50 0.10
7491:							
Oneidas	80	Slight		Slight		Poorly suited Wetness	1.00
Jabu	10	Slight		Moderate Slope/erodibility	0.50	Well suited	
Christopher loamy coarse sand	3	Slight		Slight		Well suited Landslides	0.10
Meeks, stony	3	Slight		Slight		Well suited Landslides	0.10
Gefo gravelly loamy coarse sand	2	Slight		Slight		Well suited Landslides	0.10
Marla	2	Slight		Slight		Poorly suited Ponding Landslides	1.00 0.10
7492:							
Oneidas	80	Slight		Moderate Slope/erodibility	0.50	Poorly suited Wetness Slope	1.00 0.50
Jabu	10	Moderate Slope/erodibility	0.50	Moderate Slope/erodibility	0.50	Poorly suited Slope	1.00
Christopher loamy coarse sand	3	Moderate Slope/erodibility	0.50	Severe Slope/erodibility	0.95	Poorly suited Slope Landslides	1.00 0.50
Meeks, stony	3	Slight		Moderate Slope/erodibility	0.50	Moderately suited Slope	0.50
Gefo gravelly loamy coarse sand	2	Slight		Moderate Slope/erodibility	0.50	Moderately suited Slope Landslides	0.50 0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7492:							
Marla	2	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
7500:							
Rock outcrop, granitic	90	Not rated		Not rated		Not rated	
Rockbound very stony loam	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Rubble land	2	Not rated		Not rated		Not rated	
Toem	2	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
Windyridge	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Freelpeak	1	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Landslides	0.50
Jobsis	1	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
7501:							
Rock outcrop, granitic	50	Not rated		Not rated		Not rated	
Rockbound very gravelly loam	30	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
Dagget, moist	5	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Landslides	1.00
						Slope	0.50
						Sandiness	0.50
Meeks, rubbly	5	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Landslides	1.00
						Slope	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7501:							
Temo	5	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
Witefels	5	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Landslides	0.10
7502:							
Rock outcrop, granitic	50	Not rated		Not rated		Not rated	
Rockbound very stony loam	25	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Dagget, moist	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	1.00
						Sandiness	0.50
Glenalpine	5	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
Rubble land	5	Not rated		Not rated		Not rated	
Temo	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.10
Witefels	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
7511:							
Shalgran	70	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Rock outcrop	15	Not rated		Not rated		Not rated	
Sofgran	6	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7511:							
Dystric Xerorthents	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Burnlake----------	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Jobsis----------	2	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Temo----------	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
7521:							
Tallac, very stony--	75	Slight		Slight		Moderately suited	
						Slope	0.50
Tallac, rubbly------	10	Slight		Slight		Moderately suited	
						Rock fragments	0.50
						Slope	0.50
Tallac, moderately well drained-------	9	Slight		Slight		Well suited	
Meeks, extremely bouldery----------	5	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Landslides	0.50
Aquic Xerorthents---	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
7522:							
Tallac, very stony--	85	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
Meeks, extremely bouldery----------	10	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	1.00
Aquic Xerorthents---	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
Cagwin----------	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7522:							
Cassenai gravelly loamy coarse sand--	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
Dagget, moist-------	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	1.00
						Sandiness	0.50
Rockbound very gravelly loam------	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
7523:							
Tallac, very stony--	85	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Meeks, extremely bouldery----------	10	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	1.00
Aquic Xerorthents---	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
Cagwin--------------	1	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Cassenai gravelly loamy coarse sand--	1	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
Dagget, moist-------	1	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	1.00
						Sandiness	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7523:							
Rockbound very stony loam	1	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
						Landslides	0.50
7524:							
Tallac, moderately well drained	80	Slight		Slight		Well suited	
Tallac, moderately 9 percent slopes	10	Slight		Slight		Moderately suited	
						Slope	0.50
Meeks, very stony	5	Slight		Slight		Moderately suited	
						Rock fragments	0.50
Callat	4	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Tahoe, gravelly	1	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50
7525:							
Tallac, moderately well drained	80	Slight		Slight		Moderately suited	
						Slope	0.50
Tallac, moderately well drained, 0 to 5 percent slopes	10	Slight		Slight		Well suited	
Meeks, extremely bouldery	5	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Landslides	0.50
Callat	4	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Tahoe, gravelly	1	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7526:							
Tallac, rubbly------	85	Slight		Slight		Moderately suited	
						Rock fragments	0.50
						Slope	0.50
Tallac, moderately well drained-------	10	Slight		Slight		Moderately suited	
						Slope	0.50
Tallac, very stony--	4	Slight		Slight		Moderately suited	
						Slope	0.50
Aquic Xerorthents---	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
7531:							
Toem----------	45	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
Rock outcrop, granitic----------	40	Not rated		Not rated		Not rated	
Cagwin----------	10	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Cassenai gravelly loamy coarse sand--	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
7532:							
Toem----------	45	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
Rock outcrop, granitic----------	40	Not rated		Not rated		Not rated	
Cagwin----------	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7532:							
Cassenai gravelly loamy coarse sand--	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
Dagget very gravelly loamy coarse sand--------	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
7533:							
Toem----------	45	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
Rock outcrop, granitic----------	40	Not rated		Not rated		Not rated	
Cagwin----------	10	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Cassenai gravelly loamy coarse sand--	5	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
						Rock fragments	0.50
7541:							
Ubaj----------	80	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Landslides	0.10
Christopher loamy coarse sand--------	5	Slight		Moderate		Well suited	
				Slope/erodibility	0.50	Landslides	0.10
Jabu----------	5	Slight		Moderate		Well suited	
				Slope/erodibility	0.50		
Oneidas----------	5	Slight		Slight		Poorly suited	
						Wetness	1.00
Gefo gravelly loamy coarse sand--------	3	Slight		Slight		Well suited	
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7541:							
Marla	2	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
9001:							
Bidart mucky silt loam	50	Slight		Slight		Poorly suited	
						Low strength	1.00
						Wetness	0.50
						Ponding	0.50
						Flooding	0.50
						Landslides	0.10
Bidart, wet	30	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Low strength	1.00
						Wetness	1.00
						Landslides	0.10
Tahoe, gravelly	5	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50
Tahoe silt loam	5	Slight		Slight		Poorly suited	
						Low strength	1.00
						Wetness	0.50
						Ponding	0.50
						Flooding	0.50
						Landslides	0.10
Watah	5	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Wetness	1.00
						Landslides	0.10
Water	3	Not rated		Not rated		Not rated	
Hellhole	2	Very severe Organic matter content high	1.00	Very severe Organic matter content high	1.00	Poorly suited	
						Ponding	1.00
						Low strength	1.00
						Wetness	1.00
						Landslides	0.10
9011:							
Oxyaquic Cryorthents	30	Slight		Moderate Slope/erodibility	0.50	Poorly suited	
						Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9011:							
Aquic Xerorthents	28	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Landslides	0.10
Tahoe, gravelly	15	Slight		Slight		Poorly suited	
						Low strength	1.00
						Ponding	0.50
						Flooding	0.50
						Sandiness	0.50
						Wetness	0.50
Bidart mucky silt loam	10	Slight		Slight		Poorly suited	
						Low strength	1.00
						Wetness	0.50
						Ponding	0.50
						Flooding	0.50
						Landslides	0.10
Watah	10	Slight		Slight		Poorly suited	
						Ponding	1.00
						Flooding	1.00
						Wetness	1.00
						Landslides	0.10
Marla	5	Slight		Slight		Poorly suited	
						Ponding	1.00
						Landslides	0.10
Riverwash	2	Not rated		Not rated		Not rated	
9101:							
Callat	82	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	0.50
Glenalpine	5	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
Meeks, extremely bouldery	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	1.00
Tallac, very stony	5	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
Rock outcrop	2	Not rated		Not rated		Not rated	
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9102:							
Callat	82	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
Glenalpine	5	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
Meeks, extremely bouldery	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	1.00
Tallac, very stony--	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Rock outcrop	2	Not rated		Not rated		Not rated	
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
9111:							
Florand	40	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Lostridge	30	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Fishsnooze	15	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Aquic Haplocryolls--	3	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Sandiness	0.50
Lithnip, moist	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Stumpatil	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Lithnip	2	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Morscour	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9111:							
Typic Cryaquolls	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Flooding	1.00
						Slope	1.00
						Sandiness	0.50
						Wetness	0.50
9121:							
Watsonlake	80	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Landslides	0.50
Jorge very cobbly fine sandy loam	5	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Landslides	0.50
Sky	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
Tahoma	5	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
Waca	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Ellispeak	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
						Rock fragments	0.50
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
Rock outcrop	1	Not rated		Not rated		Not rated	
9122:							
Watsonlake	80	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.50
Jorge very cobbly fine sandy loam	5	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Rock fragments	1.00
						Landslides	0.50
Tahoma	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9122:							
Waca	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Sky	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
Ellispeak	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
						Rock fragments	0.50
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
Rock outcrop	1	Not rated		Not rated		Not rated	
9123:							
Watsonlake	80	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.50
Jorge very cobbly fine sandy loam	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.50
Tahoma	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Waca	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Sky	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
Ellispeak	1	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
Rock outcrop	1	Not rated		Not rated		Not rated	

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9131:							
Lithnip	40	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Meiss	30	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.10
Hawkinspeak	15	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
Lostridge	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Fishsnooze	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Hawkinspeak, moist	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
Aspocket	1	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
Hawkridge	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Typic Cryaquolls	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Wetness	0.50
9141:							
Melody	55	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	0.10
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	
Sky	10	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
Mountrose	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
						Sandiness	0.50
Wardcreek	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9141:							
Lithnip	1	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Meiss	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.10
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
9142:							
Melody	55	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	
Sky	10	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
Mountrose	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
						Sandiness	0.50
Wardcreek	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Lithnip	1	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Meiss	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.10
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
9143:							
Melody	55	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9143:							
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	
Sky	10	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
Mountrose	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
						Sandiness	0.50
Wardcreek	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Lithnip	1	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Meiss	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.10
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
9151:							
Shakespeare	80	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Deerhill	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Mountrose	4	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
						Sandiness	0.50
Melody	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
Wardcreek	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9151:							
Dagget very gravelly loamy coarse sand	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
Temo	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.10
Witefels	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
9152:							
Shakespeare	80	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Landslides	0.50
Deerhill	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Mountrose	4	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
						Sandiness	0.50
Melody	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
Wardcreek	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Dagget very gravelly loamy coarse sand	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9152:							
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
Temo	1	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.10
Witefels	1	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
9161:							
Sky	80	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
Melody	10	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	0.10
Mountrose	4	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
						Sandiness	0.50
Wardcreek	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Lithnip	1	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Meiss	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.10
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
9162:							
Sky	80	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9162:							
Melody	10	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
Mountrose	4	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
						Sandiness	0.50
Wardcreek	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Lithnip	1	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Meiss	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.10
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
9163:							
Sky	80	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
Melody	10	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
Mountrose	4	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
						Sandiness	0.50
Wardcreek	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Lithnip	1	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Meiss	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9163:							
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
9164:							
Sky	50	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Landslides	1.00
						Slope	1.00
Melody	40	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	0.10
Mountrose	4	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
						Sandiness	0.50
Wardcreek	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Lithnip	1	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Meiss	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.10
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
9165:							
Sky	50	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
Melody	40	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
Mountrose	4	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
						Sandiness	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9165:							
Wardcreek	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Lithnip	1	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Meiss	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.10
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
9166:							
Sky	50	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
Melody	40	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
Mountrose	4	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
						Sandiness	0.50
Wardcreek	3	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Lithnip	1	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Meiss	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.10
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
9171:							
Mountrose	35	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
						Sandiness	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9171:							
Wardcreek	25	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.50
Melody	20	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
Meiss	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Landslides	0.10
Rock outcrop	5	Not rated		Not rated		Not rated	
Rubble land	5	Not rated		Not rated		Not rated	
Sky	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
9401:							
Dagget very gravelly loamy coarse sand	75	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Temo	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.10
Witefels	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
Jobsis	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Rock outcrop	3	Not rated		Not rated		Not rated	
Whittell	3	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Cagwin	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9401:							
Cassenai, moist-----	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Landslides	0.50
Toem----------	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
9402:							
Dagget very gravelly loamy coarse sand--------	75	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Temo----------	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.10
Witefels----------	4	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
Jobsis----------	3	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Rock outcrop--------	3	Not rated		Not rated		Not rated	
Whittell----------	3	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.50
Cagwin----------	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9402:							
Cassenai, moist	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Landslides	0.50
Toem	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
9403:							
Dagget very gravelly loamy coarse sand	75	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Temo	5	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.10
Witefels	4	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
Jobsis	3	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Rock outcrop	3	Not rated		Not rated		Not rated	
Whittell	3	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.50
Cagwin	2	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9403:							
Cassenai, moist-----	2	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
Toem----------	2	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.10
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
9404:							
Dagget, moist-------	80	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Landslides	1.00
						Slope	0.50
						Sandiness	0.50
Cassenai, moist-----	5	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Slope	0.50
						Rock fragments	0.50
						Landslides	0.10
Rockbound very gravelly loam------	5	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
Jobsis----------	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Oxyaquic Cryorthents	2	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
Temo----------	2	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
Whittell----------	2	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
						Landslides	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9404:							
Witefels	2	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Landslides	0.10
9405:							
Dagget, moist	80	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	1.00
						Sandiness	0.50
Cassenai, moist	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Landslides	0.50
Rockbound very gravelly loam	5	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
Jobsis	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Oxyaquic Cryorthents	2	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
Temo	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.10
Whittell	2	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Witefels	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9406:							
Dagget, moist-------	80	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	1.00
						Sandiness	0.50
Cassenai, moist-----	5	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
Rockbound very stony loam---------	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Jobsis--------------	2	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Oxyaquic Cryorthents	2	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
Temo----------------	2	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.10
Whittell------------	2	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.50
Witefels------------	2	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
9407:							
Dagget, moist-------	55	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Landslides	1.00
						Sandiness	0.50
Rock outcrop, granitic-----------	25	Not rated		Not rated		Not rated	

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9407:							
Temo	5	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.10
Witefels	5	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
Whittell	4	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.50
Cassenai, moist	2	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Landslides	1.00
						Rock fragments	0.50
Jobsis	2	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Oxyaquic Cryorthents	2	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
9411:							
Freelpeak	50	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Landslides	0.50
Windyridge	25	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Rock outcrop	10	Not rated		Not rated		Not rated	
Jobsis	8	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Whittell	3	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9411:							
Waterpeak	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
Buggin	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Glaciers	1	Not rated		Not rated		Not rated	
9421:							
Jobsis	45	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Whittell	25	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Rock outcrop	15	Not rated		Not rated		Not rated	
Typic Cryorthents, 8 to 30 percent slopes	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Windyridge	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Klauspeak	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Shalgran	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Buggin	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Typic Cryorthents, 4 to 30 percent slopes	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Waterpeak	1	Moderate		Moderate		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.50	Slope	1.00

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9431:							
Sofgran	40	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
Klauspeak	30	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Temo	15	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Rock outcrop	4	Not rated		Not rated		Not rated	
Shalgran	4	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Xeric Humicryepts	3	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Stumpatil	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
Aquic Haplocryolls	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Hopeval	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Low strength	0.50
						Wetness	0.50
9441:							
Temo	45	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
Witefels	35	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Rock fragments	1.00
						Slope	0.50
						Landslides	0.10
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9441:							
Cagwin	4	Slight		Moderate		Moderately suited	
				Slope/erodibility	0.50	Rock fragments	0.50
						Slope	0.50
						Sandiness	0.50
						Landslides	0.50
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
9442:							
Temo	45	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.10
Witefels	35	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Cagwin	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
9443:							
Temo	45	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.10
Witefels	35	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9443:							
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Cagwin	4	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10
9444:							
Temo	45	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
						Landslides	0.10
Witefels	35	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Landslides	0.10
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
						Sandiness	0.50
Cagwin	4	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	0.50
						Sandiness	0.50
						Landslides	0.50
Oxyaquic Cryorthents	1	Slight		Moderate		Poorly suited	
				Slope/erodibility	0.50	Flooding	1.00
						Slope	0.50
						Sandiness	0.50
						Landslides	0.10

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9451:							
Waterpeak	80	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Rock fragments	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Shalgran	4	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Typic Cryorthents	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Pachic Haplocryolls	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
9461:							
Whittell	45	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
						Landslides	0.50
Jobsis	25	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Rock outcrop	15	Not rated		Not rated		Not rated	
Jobsis, 8 to 30 percent slopes	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Windyridge	4	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Klauspeak	2	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Shalgran	2	Severe		Severe		Poorly suited	
		Slope/erodibility	0.75	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50
Buggin	1	Very severe		Severe		Poorly suited	
		Slope/erodibility	0.95	Slope/erodibility	0.95	Rock fragments	1.00
						Slope	1.00
						Sandiness	0.50
Typic Cryorthents	1	Moderate		Severe		Poorly suited	
		Slope/erodibility	0.50	Slope/erodibility	0.95	Slope	1.00
						Sandiness	0.50

Table 11.--Hazard of Erosion and Suitability for Roads on Forestland--Continued

Map symbol and component name	Pct. of map unit	Hazard of off-road or off-trail erosion		Hazard of erosion on roads and trails		Suitability for roads (natural surface)	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9461:							
Waterpeak	1	Very severe Slope/erodibility	0.95	Severe Slope/erodibility	0.95	Poorly suited Slope	1.00
W:							
Water	100	Not rated		Not rated		Not rated	

Table 12.--Damage by Fire and Seedling Mortality on Forestland

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table)

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7011:					
Beaches	64	Not rated		Not rated	
Oxyaquic Xeropsamments	10	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
				Wetness	1.00
Watah	7	Moderate		High	
		Texture/rock fragments	0.50	Wetness	1.00
Gefo, barrier beach	6	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
Marla	5	Moderate		Moderate	
		Texture/rock fragments	0.50	Wetness	0.50
				Available water	0.50
Cagwin	1	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
Cassenai gravelly loamy coarse sand	1	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
Dunes	1	Not rated		Not rated	
Jorge very gravelly sandy loam	1	Low		Moderate	
				Available water	0.50
Rock outcrop	1	Not rated		Not rated	
Tahoe silt loam	1	Low		High	
		Texture/rock fragments	0.10	Wetness	1.00
Tahoma	1	Low		Moderate	
				Available water	0.50
Toem	1	Moderate		Low	
		Texture/rock fragments	0.50		

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7021:					
Hellhole	80	Low		High	
				Wetness	1.00
Bidart, wet	10	Low		High	
		Texture/rock fragments	0.10	Wetness	1.00
Watah	5	Moderate		High	
		Texture/rock fragments	0.50	Wetness	1.00
Water	5	Not rated		Not rated	
7031:					
Pits	45	Not rated		Not rated	
Dumps	45	Not rated		Not rated	
Arents	5	Not rated		Not rated	
Xerorthents	5	Not rated		Not rated	
7041:					
Tahoe silt loam	55	Low		High	
		Texture/rock fragments	0.10	Wetness	1.00
Tahoe silt loam, wet	25	Low		High	
		Texture/rock fragments	0.10	Wetness	1.00
Marla	10	Moderate		Moderate	
		Texture/rock fragments	0.50	Wetness	0.50
				Available water	0.50
Tahoe, gravelly	5	Low		High	
		Texture/rock fragments	0.10	Wetness	1.00
Watah	5	Moderate		High	
		Texture/rock fragments	0.50	Wetness	1.00
7042:					
Tahoe, gravelly	55	Low		High	
		Texture/rock fragments	0.10	Wetness	1.00
Tahoe, gravelly, wet	25	Low		High	
		Texture/rock fragments	0.10	Wetness	1.00
Marla	5	Moderate		Moderate	
		Texture/rock fragments	0.50	Wetness	0.50
				Available water	0.50
Riverwash	5	Not rated		Not rated	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7042:					
Tahoe silt loam-----	5	Low Texture/rock fragments	0.10	High Wetness	1.00
Watah----------	5	Moderate Texture/rock fragments	0.50	High Wetness	1.00
7043:					
Tahoe, drained------	80	Low Texture/rock fragments	0.10	Moderate Wetness	0.50
Marla----------	5	Moderate Texture/rock fragments	0.50	Moderate Wetness Available water	0.50 0.50
Tahoe, gravelly-----	5	Low Texture/rock fragments	0.10	High Wetness	1.00
Tahoe silt loam, wet	5	Low Texture/rock fragments	0.10	High Wetness	1.00
Watah----------	5	Moderate Texture/rock fragments	0.50	High Wetness	1.00
7051:					
Oxyaquic Xerorthents	60	High Texture/rock fragments	1.00	High Available water	1.00
Water----------	38	Not rated		Not rated	
Marla----------	1	Moderate Texture/rock fragments	0.50	Moderate Wetness Available water	0.50 0.50
Watah----------	1	Moderate Texture/rock fragments	0.50	High Wetness	1.00
7061:					
Urban land----------	100	Not rated		Not rated	
7071:					
Watah----------	75	Moderate Texture/rock fragments	0.50	High Wetness	1.00
Tahoe, gravelly, wet	9	Low Texture/rock fragments	0.10	High Wetness	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7071:					
Tahoe silt loam, wet	8	Low Texture/rock fragments	0.10	High Wetness	1.00
Marla	3	Moderate Texture/rock fragments	0.50	Moderate Wetness Available water	0.50 0.50
Bidart, wet	2	Low Texture/rock fragments	0.10	High Wetness	1.00
Water	2	Not rated		Not rated	
Hellhole	1	Low		High Wetness	1.00
7101:					
Caverock	80	Moderate Texture/slope/ surface depth/ rock fragments	0.50	High Available water	1.00
Cagwin	5	Low		Low	
Cassenai gravelly loamy coarse sand	5	Moderate Texture/rock fragments	0.50	Low	
Deerhill	3	Low Texture/rock fragments	0.10	Low	
Genoapeak	2	Moderate Texture/surface depth/rock fragments	0.50	Low	
Southcamp	2	Low		Low	
Zephyrcove	2	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
7111:					
Deerhill	80	Low Texture/rock fragments	0.10	Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7111:					
Cassenai gravelly loamy coarse sand--	5	Moderate Texture/rock fragments	0.50	Low	
Cagwin----------	3	Moderate Texture/rock fragments	0.50	Low	
Shakespeare---------	3	Low		Low	
Southcamp----------	3	Moderate Texture/surface depth/rock fragments	0.50	Low	
Zephyrcove----------	3	Low		Low	
Genoapeak----------	2	Moderate Texture/surface depth/rock fragments	0.50	Low	
Aquic Xerorthents---	1	Low		Moderate Available water	0.50
7112:					
Deerhill----------	80	Low Texture/rock fragments	0.10	Moderate Available water	0.50
Cassenai gravelly loamy coarse sand--	5	Low		Low	
Cagwin----------	3	Low		Low	
Shakespeare---------	3	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	
Southcamp----------	3	Low		Low	
Zephyrcove----------	3	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	
Genoapeak----------	2	Low		Low	
Aquic Xerorthents---	1	Low		Moderate Available water	0.50

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7121:					
Ellispeak	45	Moderate Texture/surface depth/rock fragments	0.50	High Available water	1.00
Rock outcrop, volcanic	40	Not rated		Not rated	
Waca	10	Moderate Texture/rock fragments	0.50	Low	
Kneeridge, well drained	2	Low Texture/rock fragments	0.10	Low	
Paige	2	Low Texture/rock fragments	0.10	Low	
Tahoe, gravelly	1	Low Texture/rock fragments	0.10	High Wetness	1.00
7122:					
Ellispeak	45	Moderate Texture/slope/surface depth/rock fragments	0.50	High Available water	1.00
Rock outcrop, volcanic	40	Not rated		Not rated	
Waca	10	Moderate Texture/rock fragments	0.50	Low	
Kneeridge, well drained	3	Low Texture/rock fragments	0.10	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
Paige	1	Low Texture/rock fragments	0.10	Low	
7123:					
Ellispeak	45	Moderate Texture/slope/surface depth/rock fragments	0.50	High Available water	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7123:					
Rock outcrop, volcanic	40	Not rated		Not rated	
Waca	10	Moderate Texture/rock fragments	0.50	Low	
Kneeridge, well drained	3	Low Texture/rock fragments	0.10	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
Paige	1	Low Texture/rock fragments	0.10	Low	
7131:					
Ellispeak	45	Moderate Texture/surface depth/rock fragments	0.50	High Available water	1.00
Waca	40	Moderate Texture/rock fragments	0.50	High Available water	1.00
Rock outcrop	10	Not rated		Not rated	
Windy	4	Moderate Texture/rock fragments	0.50	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
7132:					
Ellispeak	45	Moderate Texture/slope/ surface depth/ rock fragments	0.50	High Available water	1.00
Waca	40	Moderate Texture/rock fragments	0.50	High Available water	1.00
Rock outcrop	10	Not rated		Not rated	
Windy	4	Moderate Texture/rock fragments	0.50	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7133:					
Ellispeak	45	Moderate Texture/slope/ surface depth/ rock fragments	0.50	High Available water	1.00
Waca	40	Moderate Texture/rock fragments	0.50	High Available water	1.00
Rock outcrop	10	Not rated		Not rated	
Windy	4	Moderate Texture/rock fragments	0.50	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
7141:					
Inville	80	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Christopher loamy coarse sand	10	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Cassenai gravelly loamy coarse sand	4	Moderate Texture/rock fragments	0.50	High Available water	1.00
Jorge very gravelly sandy loam	3	Low		Moderate Available water	0.50
Kingsbeach	2	Low Texture/rock fragments	0.10	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
7142:					
Inville	80	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Cassenai gravelly loamy coarse sand	10	Moderate Texture/rock fragments	0.50	High Available water	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7142:					
Christopher gravelly loamy coarse sand	4	Moderate Texture/rock fragments	0.50	Low	
Jorge very gravelly sandy loam	3	Low		Moderate Available water	0.50
Meeks, extremely bouldery	2	Moderate Texture/rock fragments	0.50	High Available water	1.00
Aquic Xerorthents	1	Low		Moderate Available water	0.50
7143:					
Inville	80	Moderate Texture/rock fragments	0.50	High Available water	1.00
Cassenai gravelly loamy coarse sand	10	Moderate Texture/rock fragments	0.50	Low	
Christopher gravelly loamy coarse sand	4	Moderate Texture/rock fragments	0.50	Low	
Jorge very gravelly sandy loam	3	Low		Low	
Meeks, extremely bouldery	2	Moderate Texture/rock fragments	0.50	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
7151:					
Jorge very cobbly fine sandy loam	80	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Tahoma	5	Low		Moderate Available water	0.50
Waca	5	Moderate Texture/rock fragments	0.50	Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7151:					
Jorge very cobbly loam	4	Low		Moderate Available water	0.50
Ellispeak	2	Low		Low	
Sky	2	Low		Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
Rock outcrop	1	Not rated		Not rated	
7152:					
Jorge very cobbly fine sandy loam	80	Moderate Texture/rock fragments	0.50	High Available water	1.00
Tahoma	5	Low		Low	
Waca	5	Moderate Texture/rock fragments	0.50	Low	
Jorge very cobbly loam	4	Low		Low	
Ellispeak	2	Low		Low	
Sky	2	Low		Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
Rock outcrop	1	Not rated		Not rated	
7153:					
Jorge very cobbly fine sandy loam	80	Moderate Texture/slope/ rock fragments	0.50	High Available water	1.00
Tahoma	5	Low		Low	
Waca	5	Moderate Texture/rock fragments	0.50	Low	
Jorge very cobbly loam	4	Low		Low	
Ellispeak	2	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7153:					
Sky	2	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
Rock outcrop	1	Not rated		Not rated	
7154:					
Jorge very cobbly loam	75	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Rubble land	10	Not rated		Not rated	
Tahoma	5	Low		Moderate Available water	0.50
Ellispeak	3	Low		Low	
Rock outcrop	3	Not rated		Not rated	
Waca	3	Moderate Texture/rock fragments	0.50	Low	
Tahoe, gravelly	1	Low Texture/rock fragments	0.10	High Wetness	1.00
7155:					
Jorge very cobbly loam	75	Moderate Texture/rock fragments	0.50	High Available water	1.00
Rubble land	10	Not rated		Not rated	
Tahoma	5	Low		Low	
Ellispeak	3	Low		Low	
Rock outcrop	3	Not rated		Not rated	
Waca	3	Moderate Texture/rock fragments	0.50	Low	
Tahoe, gravelly	1	Low Texture/rock fragments	0.10	High Wetness	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7156:					
Jorge very gravelly sandy loam	45	Moderate Texture/rock fragments	0.50	High Available water	1.00
Tahoma	35	Moderate Texture/rock fragments	0.50	High Available water	1.00
Waca	10	Moderate Texture/rock fragments	0.50	Low	
Inville	5	Moderate Texture/rock fragments	0.50	Low	
Rubble land	2	Not rated		Not rated	
Ellispeak	1	Low		Low	
Rock outcrop	1	Not rated		Not rated	
Tahoe, gravelly	1	Low Texture/rock fragments	0.10	High Wetness	1.00
7157:					
Jorge very gravelly sandy loam	55	Low Texture/rock fragments	0.10	Low	
Tahoma	25	Low Texture/rock fragments	0.10	Low	
Waca	10	Moderate Texture/rock fragments	0.50	Low	
Inville	5	Moderate Texture/rock fragments	0.50	Low	
Rubble land	2	Not rated		Not rated	
Ellispeak	1	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	
Rock outcrop	1	Not rated		Not rated	
Tahoe, gravelly	1	Low Texture/rock fragments	0.10	High Wetness	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7161:					
Kingsbeach	80	Low Texture/rock fragments	0.10	Low	
Tahoma	10	Low		Moderate Available water	0.50
Jorge very gravelly sandy loam	8	Low		Moderate Available water	0.50
Beaches	1	Not rated		Not rated	
Dunes	1	Not rated		Not rated	
7171:					
Kneeridge, extremely stony	80	Low Texture/rock fragments	0.10	Low	
Jorge very gravelly sandy loam	9	Low		Moderate Available water	0.50
Paige	5	Low Texture/rock fragments	0.10	Low	
Waca	5	Moderate Texture/rock fragments	0.50	Low	
Tahoe, gravelly	1	Low Texture/rock fragments	0.10	High Wetness	1.00
7172:					
Kneeridge, well drained	80	Low Texture/rock fragments	0.10	Low	
Jorge very gravelly sandy loam	9	Low		Moderate Available water	0.50
Paige	5	Low Texture/rock fragments	0.10	Low	
Waca	5	Moderate Texture/rock fragments	0.50	Low	
Tahoe, gravelly	1	Low Texture/rock fragments	0.10	High Wetness	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7173:					
Kneeridge, very stony	80	Low Texture/rock fragments	0.10	Low	
Jorge very gravelly sandy loam	9	Low		Moderate Available water	0.50
Paige	5	Low Texture/rock fragments	0.10	Low	
Waca	5	Moderate Texture/rock fragments	0.50	Low	
Tahoe, gravelly	1	Low Texture/rock fragments	0.10	High Wetness	1.00
7174:					
Kneeridge, very stony	80	Low Texture/rock fragments	0.10	Low	
Jorge very gravelly sandy loam	9	Low		Moderate Available water	0.50
Paige	5	Low Texture/rock fragments	0.10	Low	
Waca	5	Moderate Texture/rock fragments	0.50	Low	
Tahoe, gravelly	1	Low Texture/rock fragments	0.10	High Wetness	1.00
7181:					
Paige	80	Low Texture/rock fragments	0.10	Low	
Kneeridge, well drained	7	Low Texture/rock fragments	0.10	Low	
Jorge very gravelly sandy loam	6	Low		Moderate Available water	0.50

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7181:					
Tahoe, gravelly-----	5	Low Texture/rock fragments	0.10	High Wetness	1.00
Waca----------	2	Moderate Texture/rock fragments	0.50	Low	
7182:					
Paige----------	80	Low Texture/rock fragments	0.10	Moderate Available water	0.50
Jorge very gravelly sandy loam---------	5	Low		Low	
Tahoma----------	5	Low		Low	
Waca----------	5	Moderate Texture/rock fragments	0.50	Low	
Kneeridge, well drained----------	4	Low Texture/rock fragments	0.10	Low	
Tahoe, gravelly-----	1	Low Texture/rock fragments	0.10	High Wetness	1.00
7183:					
Paige----------	84	Low Texture/rock fragments	0.10	Moderate Available water	0.50
Jorge very gravelly sandy loam---------	5	Low		Low	
Tahoma----------	5	Low		Low	
Waca----------	5	Moderate Texture/rock fragments	0.50	Low	
Tahoe, gravelly-----	1	Low Texture/rock fragments	0.10	High Wetness	1.00
7191:					
Rock outcrop, volcanic----------	90	Not rated		Not rated	
Glenalpine----------	2	Low		Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7191:					
Lithnip	2	High Texture/slope/ surface depth/ rock fragments	1.00	Low	
Meiss	2	Low		Low	
Melody	2	Low		Low	
Rubble land	2	Not rated		Not rated	
7201:					
Rubble land, talus	45	Not rated		Not rated	
Glenalpine	40	Low Texture/rock fragments	0.10	Moderate Available water	0.50
Rock outcrop	10	Not rated		Not rated	
Rockbound very stony loam	5	High Texture/slope/ surface depth	1.00	Low	
7211:					
Southcamp	80	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	
Cassenai gravelly loamy coarse sand	5	Low		Low	
Genoapeak	5	Low		Low	
Zephyrcove	5	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	
Cagwin	2	Low		Low	
Deerhill	2	Low Texture/rock fragments	0.10	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
7221:					
Tahoma	80	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7221:					
Waca	10	Moderate Texture/rock fragments	0.50	Low	
Inville	4	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Rubble land	3	Not rated		Not rated	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
Ellispeak	1	Low		Low	
Rock outcrop	1	Not rated		Not rated	
7222:					
Tahoma	50	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Jorge very gravelly sandy loam	30	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Waca	10	Moderate Texture/rock fragments	0.50	Low	
Inville	5	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Rubble land	2	Not rated		Not rated	
Ellispeak	1	Low		Low	
Rock outcrop	1	Not rated		Not rated	
Tahoe, gravelly	1	Low Texture/rock fragments	0.10	High Wetness	1.00
7231:					
Waca	80	Moderate Texture/rock fragments	0.50	Low	
Ellispeak	5	Low		Low	
Rock outcrop	5	Not rated		Not rated	
Windy	5	Moderate Texture/rock fragments	0.50	Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7231:					
Kneeridge, well drained	2	Low Texture/rock fragments	0.10	Low	
Paige	2	Low Texture/rock fragments	0.10	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
7232:					
Waca	80	Moderate Texture/rock fragments	0.50	Low	
Ellispeak	5	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	
Rock outcrop	5	Not rated		Not rated	
Windy	4	Moderate Texture/rock fragments	0.50	Low	
Kneeridge, well drained	2	Low Texture/rock fragments	0.10	Low	
Paige	2	Low Texture/rock fragments	0.10	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
Typic Epiaquents	1	Low		High Wetness	1.00
7233:					
Waca	80	Moderate Texture/rock fragments	0.50	Low	
Ellispeak	5	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	
Rock outcrop	5	Not rated		Not rated	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7233:					
Windy	5	Moderate Texture/rock fragments	0.50	Low	
Kneeridge, well drained	2	Low Texture/rock fragments	0.10	Low	
Paige	2	Low Texture/rock fragments	0.10	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
7241:					
Zephyrcove	50	Moderate Texture/surface depth/rock fragments	0.50	Moderate Available water	0.50
Southcamp	20	Moderate Texture/surface depth/rock fragments	0.50	High Available water	1.00
Genoapeak	17	Moderate Texture/surface depth/rock fragments	0.50	High Available water	1.00
Cagwin	5	Moderate Texture/rock fragments	0.50	Low	
Cassenai gravelly loamy coarse sand	5	Moderate Texture/rock fragments	0.50	Low	
Deerhill	2	Low Texture/rock fragments	0.10	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
7242:					
Zephyrcove	50	Moderate Texture/slope/surface depth/rock fragments	0.50	Moderate Available water	0.50

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7242:					
Southcamp	20	High Texture/slope/ surface depth/ rock fragments	1.00	High Available water	1.00
Genoapeak	17	High Texture/slope/ surface depth/ rock fragments	1.00	High Available water	1.00
Cagwin	5	Low		Low	
Cassenai gravelly loamy coarse sand	5	Low		Low	
Deerhill	2	Low Texture/rock fragments	0.10	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
7401:					
Burnlake	60	Low		Low	
Roadcat	25	Moderate Texture/rock fragments	0.50	Low	
Hardtil	4	Low		Low	
Aquic Haplocryolls	2	Low		Low	
Aspetill	2	Low		Low	
Cumulic Cryaquolls	2	Low		High Wetness	1.00
Stumpatil	2	Moderate Texture/rock fragments	0.50	Low	
Typic Haploxerepts	2	Moderate Texture/rock fragments	0.50	Low	
Rock outcrop	1	Not rated		Not rated	
7411:					
Cagwin	50	Moderate Texture/rock fragments	0.50	High Available water	1.00
Rock outcrop, granitic	20	Not rated		Not rated	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7411:					
Cassenai gravelly loamy coarse sand--	10	Moderate Texture/rock fragments	0.50	High Available water	1.00
Toem----------	10	Moderate Texture/rock fragments	0.50	Low	
Dagget very gravelly loamy coarse sand--------	5	Moderate Texture/rock fragments	0.50	Low	
Temo----------	2	Moderate Texture/rock fragments	0.50	High Available water	1.00
Witefels----------	2	Moderate Texture/rock fragments	0.50	High Available water	1.00
Marla----------	1	Moderate Texture/rock fragments	0.50	Moderate Wetness Available water	0.50 0.50
7412:					
Cagwin----------	50	Moderate Texture/rock fragments	0.50	High Available water	1.00
Rock outcrop, granitic----------	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand--	10	Moderate Texture/rock fragments	0.50	Low	
Toem----------	10	Moderate Texture/rock fragments	0.50	Low	
Dagget very gravelly loamy coarse sand--------	5	Moderate Texture/rock fragments	0.50	Low	
Temo----------	2	Moderate Texture/rock fragments	0.50	Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7412:					
Witefels	2	Moderate Texture/rock fragments	0.50	Low	
Marla	1	Moderate Texture/rock fragments	0.50	Moderate Wetness Available water	0.50 0.50
7413:					
Cagwin	50	High Texture/slope/ rock fragments	1.00	High Available water	1.00
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Low		Low	
Toem	10	Moderate Texture/rock fragments	0.50	Low	
Dagget very gravelly loamy coarse sand	5	Low		Low	
Temo	2	Moderate Texture/rock fragments	0.50	Low	
Witefels	2	Low		Low	
Marla	1	Moderate Texture/rock fragments	0.50	Moderate Wetness Available water	0.50 0.50
7414:					
Cagwin	50	High Texture/slope/ rock fragments	1.00	High Available water	1.00
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Low		Low	
Toem	10	Moderate Texture/rock fragments	0.50	Low	
Dagget very gravelly loamy coarse sand	5	Low		Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7414:					
Temo	2	Moderate Texture/rock fragments	0.50	Low	
Witefels	2	Low		Low	
Marla	1	Moderate Texture/rock fragments	0.50	Moderate Wetness Available water	0.50 0.50
7421:					
Cassenai gravelly loamy coarse sand	78	Moderate Texture/rock fragments	0.50	High Available water	1.00
Cagwin	12	Moderate Texture/rock fragments	0.50	High Available water	1.00
Toem	4	Moderate Texture/rock fragments	0.50	Low	
Rock outcrop	3	Not rated		Not rated	
Christopher gravelly loamy coarse sand	1	Moderate Texture/rock fragments	0.50	Low	
Christopher loamy coarse sand	1	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Marla	1	Moderate Texture/rock fragments	0.50	Moderate Wetness Available water	0.50 0.50
7422:					
Cassenai gravelly loamy coarse sand	73	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Cagwin	12	Moderate Texture/rock fragments	0.50	Low	
Dagget very gravelly loamy coarse sand	5	Moderate Texture/rock fragments	0.50	Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7422:					
Toem	4	Moderate Texture/rock fragments	0.50	Low	
Aquic Xerorthents	2	Low		Moderate Available water	0.50
Christopher gravelly loamy coarse sand	2	Moderate Texture/rock fragments	0.50	Low	
Rock outcrop	2	Not rated		Not rated	
7423:					
Cassenai gravelly loamy coarse sand	78	Moderate Texture/slope/rock fragments	0.50	Moderate Available water	0.50
Cagwin	12	Low		Low	
Toem	4	Moderate Texture/rock fragments	0.50	Low	
Rock outcrop	3	Not rated		Not rated	
Christopher gravelly loamy coarse sand	2	Moderate Texture/rock fragments	0.50	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
7424:					
Cassenai gravelly loamy coarse sand	78	Moderate Texture/slope/rock fragments	0.50	Moderate Available water	0.50
Cagwin	12	Low		Low	
Toem	5	Moderate Texture/rock fragments	0.50	Low	
Rock outcrop	4	Not rated		Not rated	
Aquic Xerorthents	1	Low		Moderate Available water	0.50

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7425:					
Cassenai, moist-----	80	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Cagwin----------	5	Moderate Texture/rock fragments	0.50	High Available water	1.00
Meeks, extremely bouldery----------	5	Moderate Texture/rock fragments	0.50	High Available water	1.00
Tallac, very stony--	5	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Rock outcrop--------	2	Not rated		Not rated	
Toem----------	2	Moderate Texture/rock fragments	0.50	Low	
Marla----------	1	Moderate Texture/rock fragments	0.50	Moderate Wetness Available water	0.50 0.50
7426:					
Cassenai, moist-----	80	Moderate Texture/rock fragments	0.50	Low	
Cagwin----------	5	Moderate Texture/rock fragments	0.50	Low	
Tallac, very stony--	5	Moderate Texture/rock fragments	0.50	Low	
Meeks, extremely bouldery----------	4	Moderate Texture/rock fragments	0.50	Low	
Rock outcrop--------	2	Not rated		Not rated	
Toem----------	2	Moderate Texture/rock fragments	0.50	Low	
Aquic Xerorthents---	1	Low		Moderate Available water	0.50
Marla----------	1	Moderate Texture/rock fragments	0.50	Moderate Wetness Available water	0.50 0.50

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7427:					
Cassenai, moist	80	High Texture/slope/ rock fragments	1.00	High Available water	1.00
Cagwin	5	Low		Low	
Meeks, extremely bouldery	5	Moderate Texture/rock fragments	0.50	Low	
Toem	5	Moderate Texture/rock fragments	0.50	Low	
Rock outcrop	2	Not rated		Not rated	
Tallac, very stony	2	Moderate Texture/rock fragments	0.50	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
7428:					
Cassenai, moist	80	Moderate Texture/slope/ rock fragments	0.50	Low	
Cagwin	5	Low		Low	
Meeks, extremely bouldery	5	Moderate Texture/rock fragments	0.50	Low	
Toem	5	Moderate Texture/rock fragments	0.50	Low	
Rock outcrop	2	Not rated		Not rated	
Tallac, very stony	2	Moderate Texture/rock fragments	0.50	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
7431:					
Celio	80	Moderate Texture/rock fragments	0.50	High Available water Wetness	1.00 0.50
Meeks, stony	7	Moderate Texture/rock fragments	0.50	High Available water	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7431:					
Tahoe, gravelly-----	5	Low		High	
		Texture/rock fragments	0.10	Wetness	1.00
Marla----------	4	Moderate		Moderate	
		Texture/rock fragments	0.50	Wetness	0.50
				Available water	0.50
Watah----------	4	Moderate		High	
		Texture/rock fragments	0.50	Wetness	1.00
7441:					
Christopher loamy coarse sand--------	80	Moderate		Moderate	
		Texture/rock fragments	0.50	Available water	0.50
Gefo gravelly loamy coarse sand--------	10	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
Jabu----------	5	Moderate		Moderate	
		Texture/rock fragments	0.50	Available water	0.50
Oneidas----------	3	Moderate		High	
		Texture/rock fragments	0.50	Wetness	1.00
				Available water	1.00
Marla----------	2	Moderate		Moderate	
		Texture/rock fragments	0.50	Wetness	0.50
				Available water	0.50
7442:					
Christopher loamy coarse sand--------	80	Moderate		Low	
		Texture/rock fragments	0.50		
Gefo gravelly loamy coarse sand--------	10	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
Jabu----------	5	Moderate		Moderate	
		Texture/rock fragments	0.50	Available water	0.50
Oneidas----------	3	Moderate		High	
		Texture/rock fragments	0.50	Wetness	1.00
				Available water	1.00
Marla----------	2	Moderate		Moderate	
		Texture/rock fragments	0.50	Wetness	0.50
				Available water	0.50

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7443:					
Christopher gravelly loamy coarse sand	80	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Gefo gravelly loamy coarse sand	10	Moderate Texture/rock fragments	0.50	High Available water	1.00
Jabu	5	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Oneidas	3	Moderate Texture/rock fragments	0.50	High Wetness Available water	1.00 1.00
Marla	2	Moderate Texture/rock fragments	0.50	Moderate Wetness Available water	0.50 0.50
7444:					
Christopher loamy coarse sand	45	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Gefo gravelly loamy coarse sand	35	Moderate Texture/rock fragments	0.50	High Available water	1.00
Jabu	5	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Marla	5	Moderate Texture/rock fragments	0.50	Moderate Wetness Available water	0.50 0.50
Oneidas	5	Moderate Texture/rock fragments	0.50	High Wetness Available water	1.00 1.00
Ubaj	5	Low Texture/rock fragments	0.10	Moderate Available water	0.50
7451:					
Gefo gravelly loamy coarse sand	80	Moderate Texture/rock fragments	0.50	High Available water	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7451:					
Christopher loamy coarse sand	10	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Jabu	5	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Oneidas	3	Moderate Texture/rock fragments	0.50	High Wetness Available water	1.00 1.00
Marla	2	Moderate Texture/rock fragments	0.50	Moderate Wetness Available water	0.50 0.50
7452:					
Gefo gravelly loamy coarse sand	80	Moderate Texture/rock fragments	0.50	High Available water	1.00
Christopher loamy coarse sand	10	Moderate Texture/rock fragments	0.50	Low	
Jabu	5	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Oneidas	3	Moderate Texture/rock fragments	0.50	High Wetness Available water	1.00 1.00
Marla	2	Moderate Texture/rock fragments	0.50	Moderate Wetness Available water	0.50 0.50
7461:					
Jabu	80	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Christopher loamy coarse sand	10	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Oneidas	5	Moderate Texture/rock fragments	0.50	High Wetness Available water	1.00 1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7461:					
Gefo gravelly loamy coarse sand	3	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
Marla	2	Moderate		Moderate	
		Texture/rock fragments	0.50	Wetness	0.50
				Available water	0.50
7462:					
Jabu	80	Moderate		Moderate	
		Texture/rock fragments	0.50	Available water	0.50
Christopher loamy coarse sand	10	Moderate		Low	
		Texture/rock fragments	0.50		
Oneidas	5	Moderate		High	
		Texture/rock fragments	0.50	Wetness	1.00
				Available water	1.00
Gefo gravelly loamy coarse sand	3	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
Marla	2	Moderate		Moderate	
		Texture/rock fragments	0.50	Wetness	0.50
				Available water	0.50
7471:					
Marla	80	Moderate		Moderate	
		Texture/rock fragments	0.50	Wetness	0.50
				Available water	0.50
Christopher loamy coarse sand	4	Moderate		Moderate	
		Texture/rock fragments	0.50	Available water	0.50
Gefo gravelly loamy coarse sand	4	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
Tahoe silt loam	4	Low		High	
		Texture/rock fragments	0.10	Wetness	1.00
Ubaj	4	Low		Moderate	
		Texture/rock fragments	0.10	Available water	0.50
Watah	4	Moderate		High	
		Texture/rock fragments	0.50	Wetness	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7481:					
Meeks, stony--------	85	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
Cassenai gravelly loamy coarse sand--	5	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
Celio---------------	5	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
				Wetness	0.50
Gefo gravelly loamy coarse sand--------	4	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
Tahoe, gravelly-----	1	Low		High	
		Texture/rock fragments	0.10	Wetness	1.00
7482:					
Meeks, stony--------	80	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
Cassenai gravelly loamy coarse sand--	10	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
Oneidas-------------	7	Moderate		High	
		Texture/rock fragments	0.50	Wetness	1.00
				Available water	1.00
Celio---------------	3	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
				Wetness	0.50
7483:					
Meeks, very stony---	85	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
Cassenai gravelly loamy coarse sand--	5	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
Celio---------------	5	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
				Wetness	0.50
Jabu----------------	5	Moderate		Moderate	
		Texture/rock fragments	0.50	Available water	0.50

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7484:					
Meeks, extremely bouldery	80	Moderate Texture/rock fragments	0.50	High Available water	1.00
Burnlake	5	Moderate Texture/surface depth/rock fragments	0.50	Low	
Meeks, rubbly	5	Moderate Texture/rock fragments	0.50	High Available water	1.00
Dagget, moist	3	Moderate Texture/rock fragments	0.50	High Available water	1.00
Tallac, very stony	3	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Roadcat	2	Moderate Texture/rock fragments	0.50	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
Jabu	1	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
7485:					
Meeks, extremely bouldery	80	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Burnlake	5	Moderate Texture/surface depth/rock fragments	0.50	Low	
Meeks, rubbly	5	Moderate Texture/rock fragments	0.50	Low	
Dagget, moist	3	Moderate Texture/rock fragments	0.50	Low	
Tallac, very stony	3	Moderate Texture/rock fragments	0.50	Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7485:					
Roadcat	2	Moderate Texture/rock fragments	0.50	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
Jabu	1	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
7486:					
Meeks, extremely bouldery	80	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Burnlake	5	Moderate Texture/surface depth/rock fragments	0.50	Low	
Meeks, rubbly	5	Moderate Texture/rock fragments	0.50	Low	
Dagget, moist	3	Low		Low	
Tallac, very stony	3	Moderate Texture/rock fragments	0.50	Low	
Roadcat	2	Moderate Texture/rock fragments	0.50	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
Jabu	1	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
7487:					
Meeks, rubbly	80	Moderate Texture/rock fragments	0.50	High Available water	1.00
Burnlake	5	Moderate Texture/surface depth/rock fragments	0.50	Low	
Rockbound very gravelly loam	5	Moderate Texture/rock fragments	0.50	High Available water	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7487:					
Roadcat	3	Moderate Texture/rock fragments	0.50	Low	
Cagwin	2	Moderate Texture/rock fragments	0.50	High Available water	1.00
Cassenai gravelly loamy coarse sand	2	Moderate Texture/rock fragments	0.50	High Available water	1.00
Aquic Xerorthents	1	Low		Moderate Available water	0.50
Rock outcrop	1	Not rated		Not rated	
Rubble land	1	Not rated		Not rated	
7488:					
Meeks, rubbly	80	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Burnlake	5	Moderate Texture/surface depth/rock fragments	0.50	Low	
Rockbound very gravelly loam	5	Moderate Texture/rock fragments	0.50	High Available water	1.00
Roadcat	3	Moderate Texture/rock fragments	0.50	Low	
Cagwin	2	Moderate Texture/rock fragments	0.50	Low	
Cassenai gravelly loamy coarse sand	2	Moderate Texture/rock fragments	0.50	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
Rock outcrop	1	Not rated		Not rated	
Rubble land	1	Not rated		Not rated	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7489:					
Meeks, rubbly	80	Moderate Texture/rock fragments	0.50	High Available water	1.00
Burnlake	5	Moderate Texture/surface depth/rock fragments	0.50	Low	
Rockbound very stony loam	5	High Texture/slope/surface depth	1.00	Low	
Roadcat	3	Moderate Texture/rock fragments	0.50	Low	
Cassenai gravelly loamy coarse sand	2	Low		Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
Cagwin	1	Low		Low	
Rock outcrop	1	Not rated		Not rated	
Rubble land	1	Not rated		Not rated	
Toem	1	Moderate Texture/rock fragments	0.50	Low	
7491:					
Oneidas	80	Moderate Texture/rock fragments	0.50	High Wetness Available water	1.00 1.00
Jabu	10	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Christopher loamy coarse sand	3	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Meeks, stony	3	Moderate Texture/rock fragments	0.50	High Available water	1.00
Gefo gravelly loamy coarse sand	2	Moderate Texture/rock fragments	0.50	High Available water	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7491:					
Marla	2	Moderate		Moderate	
		Texture/rock fragments	0.50	Wetness	0.50
				Available water	0.50
7492:					
Oneidas	80	Moderate		High	
		Texture/rock fragments	0.50	Wetness	1.00
				Available water	1.00
Jabu	10	Moderate		Moderate	
		Texture/rock fragments	0.50	Available water	0.50
Christopher loamy coarse sand	3	Moderate		Low	
		Texture/rock fragments	0.50		
Meeks, stony	3	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
Gefo gravelly loamy coarse sand	2	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
Marla	2	Moderate		Moderate	
		Texture/rock fragments	0.50	Wetness	0.50
				Available water	0.50
7500:					
Rock outcrop, granitic	90	Not rated		Not rated	
Rockbound very stony loam	2	High		Low	
		Texture/slope/ surface depth	1.00		
Rubble land	2	Not rated		Not rated	
Toem	2	Moderate		Low	
		Texture/rock fragments	0.50		
Windyridge	2	Low		Low	
Freelpeak	1	Low		Low	
Jobsis	1	High		Low	
		Texture/slope/ surface depth	1.00		
7501:					
Rock outcrop, granitic	50	Not rated		Not rated	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7501:					
Rockbound very gravelly loam	30	Moderate Texture/rock fragments	0.50	High Available water	1.00
Dagget, moist	5	Moderate Texture/rock fragments	0.50	High Available water	1.00
Meeks, rubbly	5	Moderate Texture/rock fragments	0.50	High Available water	1.00
Temo	5	Moderate Texture/rock fragments	0.50	High Available water	1.00
Witefels	5	Moderate Texture/rock fragments	0.50	High Available water	1.00
7502:					
Rock outcrop, granitic	50	Not rated		Not rated	
Rockbound very stony loam	25	High Texture/slope/ surface depth	1.00	Moderate Available water	0.50
Dagget, moist	5	Moderate Texture/rock fragments	0.50	Low	
Glenalpine	5	Low		Low	
Rubble land	5	Not rated		Not rated	
Temo	5	Moderate Texture/rock fragments	0.50	Low	
Witefels	5	Low		Low	
7511:					
Shalgran	70	High Texture/slope/ surface depth	1.00	High Available water	1.00
Rock outcrop	15	Not rated		Not rated	
Sofgran	6	High Texture/slope/ surface depth	1.00	Moderate Available water	0.50

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7511:					
Dystric Xerorthents	3	High Texture/slope/ surface depth	1.00	High Available water	1.00
Burnlake	2	High Texture/slope/ surface depth/ rock fragments	1.00	Low	
Jobsis	2	Low		Low	
Temo	2	High Texture/rock fragments	1.00	Low	
7521:					
Tallac, very stony	75	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Tallac, rubbly	10	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Tallac, moderately well drained	9	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Meeks, extremely bouldery	5	Moderate Texture/rock fragments	0.50	High Available water	1.00
Aquic Xerorthents	1	Low		Moderate Available water	0.50
7522:					
Tallac, very stony	85	Moderate Texture/rock fragments	0.50	Low	
Meeks, extremely bouldery	10	Moderate Texture/rock fragments	0.50	Low	
Aquic Xerorthents	1	Low		Moderate Available water	0.50
Cagwin	1	Moderate Texture/rock fragments	0.50	Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7522:					
Cassenai gravelly loamy coarse sand--	1	Moderate Texture/rock fragments	0.50	Low	
Dagget, moist-------	1	Moderate Texture/rock fragments	0.50	Low	
Rockbound very gravelly loam------	1	Moderate Texture/rock fragments	0.50	High Available water	1.00
7523:					
Tallac, very stony--	85	Moderate Texture/rock fragments	0.50	Low	
Meeks, extremely bouldery----------	10	Moderate Texture/rock fragments	0.50	Low	
Aquic Xerorthents---	1	Low		Moderate Available water	0.50
Cagwin--------------	1	Low		Low	
Cassenai gravelly loamy coarse sand--	1	Low		Low	
Dagget, moist-------	1	Low		Low	
Rockbound very stony loam---------	1	High Texture/slope/ surface depth	1.00	Low	
7524:					
Tallac, moderately well drained-------	80	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Tallac, moderately well drained, 5 to 9 percent slopes---	10	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Meeks, very stony---	5	Moderate Texture/rock fragments	0.50	High Available water	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7524:					
Callat	4	Moderate Texture/rock fragments	0.50	Low	
Tahoe, gravelly	1	Low Texture/rock fragments	0.10	High Wetness	1.00
7525:					
Tallac, moderately well drained	80	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Tallac, moderately well drained, 0 to 5 percent slopes	10	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Meeks, extremely bouldery	5	Moderate Texture/rock fragments	0.50	High Available water	1.00
Callat	4	Moderate Texture/rock fragments	0.50	Low	
Tahoe, gravelly	1	Low Texture/rock fragments	0.10	High Wetness	1.00
7526:					
Tallac, rubbly	85	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Tallac, moderately well drained	10	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Tallac, very stony	4	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Aquic Xerorthents	1	Low		Moderate Available water	0.50
7531:					
Toem	45	Moderate Texture/rock fragments	0.50	High Available water	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7531:					
Rock outcrop, granitic	40	Not rated		Not rated	
Cagwin	10	Moderate Texture/rock fragments	0.50	Low	
Cassenai gravelly loamy coarse sand	5	Moderate Texture/rock fragments	0.50	Low	
7532:					
Toem	45	Moderate Texture/rock fragments	0.50	High Available water	1.00
Rock outcrop, granitic	40	Not rated		Not rated	
Cagwin	5	Low		Low	
Cassenai gravelly loamy coarse sand	5	Low		Low	
Dagget very gravelly loamy coarse sand	5	Low		Low	
7533:					
Toem	45	Moderate Texture/rock fragments	0.50	High Available water	1.00
Rock outcrop, granitic	40	Not rated		Not rated	
Cagwin	10	Low		Low	
Cassenai gravelly loamy coarse sand	5	Low		Low	
7541:					
Ubaj	80	Low Texture/rock fragments	0.10	Moderate Available water	0.50
Christopher loamy coarse sand	5	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Jabu	5	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7541:					
Oneidas	5	Moderate		High	
		Texture/rock fragments	0.50	Wetness	1.00
				Available water	1.00
Gefo gravelly loamy coarse sand	3	Moderate		High	
		Texture/rock fragments	0.50	Available water	1.00
Marla	2	Moderate		Moderate	
		Texture/rock fragments	0.50	Wetness	0.50
				Available water	0.50
9001:					
Bidart mucky silt loam	50	Low		High	
		Texture/rock fragments	0.10	Wetness	1.00
Bidart, wet	30	Low		High	
		Texture/rock fragments	0.10	Wetness	1.00
Tahoe, gravelly	5	Low		High	
		Texture/rock fragments	0.10	Wetness	1.00
Tahoe silt loam	5	Low		High	
		Texture/rock fragments	0.10	Wetness	1.00
Watah	5	Moderate		High	
		Texture/rock fragments	0.50	Wetness	1.00
Water	3	Not rated		Not rated	
Hellhole	2	Low		High	
				Wetness	1.00
9011:					
Oxyaquic Cryorthents	30	Moderate		High	
		Texture/surface depth/rock fragments	0.50	Available water	1.00
Aquic Xerorthents	28	Low		Moderate	
		Texture/surface depth/rock fragments	0.10	Available water	0.50
Tahoe, gravelly	15	Low		High	
		Texture/rock fragments	0.10	Wetness	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9011:					
Bidart mucky silt loam	10	Low Texture/rock fragments	0.10	High Wetness	1.00
Watah	10	Moderate Texture/rock fragments	0.50	High Wetness	1.00
Marla	5	Moderate Texture/rock fragments	0.50	Moderate Wetness Available water	0.50 0.50
Riverwash	2	Not rated		Not rated	
9101:					
Callat	82	Moderate Texture/rock fragments	0.50	High Available water	1.00
Glenalpine	5	Low		Low	
Meeks, extremely bouldery	5	Moderate Texture/rock fragments	0.50	Low	
Tallac, very stony	5	Moderate Texture/rock fragments	0.50	Low	
Rock outcrop	2	Not rated		Not rated	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
9102:					
Callat	82	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Glenalpine	5	Low		Low	
Meeks, extremely bouldery	5	Moderate Texture/rock fragments	0.50	Low	
Tallac, very stony	5	Moderate Texture/rock fragments	0.50	Low	
Rock outcrop	2	Not rated		Not rated	
Oxyaquic Cryorthents	1	Low		High Available water	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9111:					
Florand	40	Low		Low	
Lostridge	30	High Texture/slope/ surface depth	1.00	Low	
Fishsnooze	15	High Texture/slope/ surface depth	1.00	Moderate Available water	0.50
Aquic Haplocryolls	3	Low		High Available water	1.00
Lithnip, moist	3	High Texture/slope/ surface depth/ rock fragments	1.00	Low	
Stumpatil	3	Moderate Texture/rock fragments	0.50	Low	
Lithnip	2	High Texture/slope/ surface depth/ rock fragments	1.00	Low	
Morscour	2	Moderate Texture/surface depth/rock fragments	0.50	Low	
Typic Cryaquolls	2	Low		Moderate Wetness	0.50
9121:					
Watsonlake	80	Low Texture/rock fragments	0.10	Moderate Available water	0.50
Jorge very cobbly fine sandy loam	5	Low		Moderate Available water	0.50
Sky	5	Low		Low	
Tahoma	5	Low		Moderate Available water	0.50
Waca	2	Moderate Texture/rock fragments	0.50	Low	
Ellispeak	1	Low		Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9121:					
Oxyaquic Cryorthents	1	Low		High Available water	1.00
Rock outcrop	1	Not rated		Not rated	
9122:					
Watsonlake	80	Low Texture/rock fragments	0.10	High Available water	1.00
Jorge very cobbly fine sandy loam	5	Low		Low	
Tahoma	5	Low		Low	
Waca	5	Moderate Texture/rock fragments	0.50	Low	
Sky	2	Low		Low	
Ellispeak	1	Low		Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
Rock outcrop	1	Not rated		Not rated	
9123:					
Watsonlake	80	Low Texture/slope/ rock fragments	0.10	Low	
Jorge very cobbly fine sandy loam	5	Moderate Texture/slope/ rock fragments	0.50	Low	
Tahoma	5	Low		Low	
Waca	5	Moderate Texture/rock fragments	0.50	Low	
Sky	2	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	
Ellispeak	1	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
Rock outcrop	1	Not rated		Not rated	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9131:					
Lithnip	40	High Texture/slope/ surface depth/ rock fragments	1.00	Low	
Meiss	30	Low		Low	
Hawkinspeak	15	Low		Low	
Lostridge	4	High Texture/slope/ surface depth	1.00	Low	
Fishsnooze	3	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Moderate Available water	0.50
Rock outcrop	3	Not rated		Not rated	
Hawkinspeak, moist	2	Low		Low	
Aspocket	1	Low Texture/rock fragments	0.10	Low	
Hawkridge	1	Moderate Texture/surface depth/rock fragments	0.50	Low	
Typic Cryaquolls	1	Low		Moderate Wetness	0.50
9141:					
Melody	55	Moderate Texture/surface depth/rock fragments	0.50	High Available water	1.00
Rock outcrop, volcanic	25	Not rated		Not rated	
Sky	10	Low		Low	
Mountrose	5	High Texture/slope/ surface depth	1.00	Low	
Wardcreek	2	Low		Low	
Lithnip	1	High Texture/slope/ surface depth/ rock fragments	1.00	Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9141:					
Meiss	1	Low		Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
9142:					
Melody	55	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Moderate Available water	0.50
Rock outcrop, volcanic	25	Not rated		Not rated	
Sky	10	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	
Mountrose	5	High Texture/slope/ surface depth	1.00	Low	
Wardcreek	2	Low		Low	
Lithnip	1	High Texture/slope/ surface depth/ rock fragments	1.00	Low	
Meiss	1	Low		Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
9143:					
Melody	55	High Texture/slope/ surface depth/ rock fragments	1.00	High Available water	1.00
Rock outcrop, volcanic	25	Not rated		Not rated	
Sky	10	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	
Mountrose	5	High Texture/slope/ surface depth	1.00	Low	
Wardcreek	2	Low		Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9143:					
Lithnip	1	High Texture/slope/ surface depth/ rock fragments	1.00	Low	
Meiss	1	Low		Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
9151:					
Shakespeare	80	Moderate Texture/surface depth/rock fragments	0.50	High Available water	1.00
Deerhill	5	Low Texture/rock fragments	0.10	Low	
Mountrose	4	High Texture/slope/ surface depth	1.00	Low	
Melody	3	Low		Low	
Wardcreek	3	Low		Low	
Dagget very gravelly loamy coarse sand	2	Low		Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
Temo	1	Moderate Texture/rock fragments	0.50	Low	
Witefels	1	Moderate Texture/rock fragments	0.50	Low	
9152:					
Shakespeare	80	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	
Deerhill	5	Low Texture/rock fragments	0.10	Low	
Mountrose	4	High Texture/slope/ surface depth	1.00	Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9152:					
Melody	3	Low		Low	
Wardcreek	3	Low		Low	
Dagget very gravelly loamy coarse sand	2	Low		Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
Temo	1	Moderate Texture/rock fragments	0.50	Low	
Witefels	1	Low		Low	
9161:					
Sky	80	Low Texture/surface depth/rock fragments	0.10	Low	
Melody	10	Moderate Texture/surface depth/rock fragments	0.50	Low	
Mountrose	4	High Texture/slope/ surface depth	1.00	Low	
Wardcreek	3	Low		Low	
Lithnip	1	High Texture/slope/ surface depth/ rock fragments	1.00	Low	
Meiss	1	Low		Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
9162:					
Sky	80	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	
Melody	10	Low		Low	
Mountrose	4	High Texture/slope/ surface depth	1.00	Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9162:					
Wardcreek	3	Low		Low	
Lithnip	1	High Texture/slope/ surface depth/ rock fragments	1.00	Low	
Meiss	1	Low		Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
9163:					
Sky	80	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	
Melody	10	Low		Low	
Mountrose	4	High Texture/slope/ surface depth	1.00	Low	
Wardcreek	3	Low		Low	
Lithnip	1	High Texture/slope/ surface depth/ rock fragments	1.00	Low	
Meiss	1	Low		Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
9164:					
Sky	50	Moderate Texture/surface depth/rock fragments	0.50	High Available water	1.00
Melody	40	Moderate Texture/surface depth/rock fragments	0.50	High Available water	1.00
Mountrose	4	High Texture/slope/ surface depth	1.00	Low	
Wardcreek	3	Low		Low	
Lithnip	1	High Texture/slope/ surface depth/ rock fragments	1.00	Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9164:					
Meiss	1	Low		Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
9165:					
Sky	50	Moderate Texture/slope/ surface depth/ rock fragments	0.50	High Available water	1.00
Melody	40	High Texture/slope/ surface depth/ rock fragments	1.00	High Available water	1.00
Mountrose	4	High Texture/slope/ surface depth	1.00	Low	
Wardcreek	3	Low		Low	
Lithnip	1	High Texture/slope/ surface depth/ rock fragments	1.00	Low	
Meiss	1	Low		Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
9166:					
Sky	50	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	
Melody	40	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Moderate Available water	0.50
Mountrose	4	High Texture/slope/ surface depth	1.00	Low	
Wardcreek	3	Low		Low	
Lithnip	1	High Texture/slope/ surface depth/ rock fragments	1.00	Low	
Meiss	1	Low		Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9171:					
Mountrose	35	High Texture/slope/ surface depth	1.00	High Available water	1.00
Wardcreek	25	High Texture/slope/ surface depth/ rock fragments	1.00	High Available water	1.00
Melody	20	High Texture/slope/ surface depth/ rock fragments	1.00	High Available water	1.00
Meiss	5	Low		Low	
Rock outcrop	5	Not rated		Not rated	
Rubble land	5	Not rated		Not rated	
Sky	5	Moderate Texture/slope/ surface depth/ rock fragments	0.50	Low	
9401:					
Dagget very gravelly loamy coarse sand	75	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Temo	5	Moderate Texture/rock fragments	0.50	Low	
Witefels	4	Moderate Texture/rock fragments	0.50	Low	
Jobsis	3	Low		Low	
Rock outcrop	3	Not rated		Not rated	
Whittell	3	Moderate Texture/rock fragments	0.50	Low	
Cagwin	2	Moderate Texture/rock fragments	0.50	Low	
Cassenai, moist	2	Moderate Texture/rock fragments	0.50	Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9401:					
Toem	2	Moderate Texture/rock fragments	0.50	Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
9402:					
Dagget very gravelly loamy coarse sand	75	High Texture/slope/ rock fragments	1.00	High Available water	1.00
Temo	5	Moderate Texture/rock fragments	0.50	Low	
Witefels	4	Low		Low	
Jobsis	3	High Texture/slope/ surface depth	1.00	Low	
Rock outcrop	3	Not rated		Not rated	
Whittell	3	Low		Low	
Cagwin	2	Low		Low	
Cassenai, moist	2	Low		Low	
Toem	2	Moderate Texture/rock fragments	0.50	Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
9403:					
Dagget very gravelly loamy coarse sand	75	Moderate Texture/slope/ rock fragments	0.50	Moderate Available water	0.50
Temo	5	Moderate Texture/rock fragments	0.50	Low	
Witefels	4	Low		Low	
Jobsis	3	High Texture/slope/ surface depth	1.00	Low	
Rock outcrop	3	Not rated		Not rated	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9403:					
Whittell	3	Low		Low	
Cagwin	2	Low		Low	
Cassenai, moist	2	Low		Low	
Toem	2	Moderate Texture/rock fragments	0.50	Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
9404:					
Dagget, moist	80	Moderate Texture/rock fragments	0.50	High Available water	1.00
Cassenai, moist	5	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Rockbound very gravelly loam	5	Moderate Texture/rock fragments	0.50	High Available water	1.00
Jobsis	2	Low		Low	
Oxyaquic Cryorthents	2	Low		High Available water	1.00
Temo	2	Moderate Texture/rock fragments	0.50	High Available water	1.00
Whittell	2	Moderate Texture/rock fragments	0.50	Low	
Witefels	2	Moderate Texture/rock fragments	0.50	High Available water	1.00
9405:					
Dagget, moist	80	Moderate Texture/rock fragments	0.50	Moderate Available water	0.50
Cassenai, moist	5	Moderate Texture/rock fragments	0.50	Low	
Rockbound very gravelly loam	5	Moderate Texture/rock fragments	0.50	High Available water	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9405:					
Jobsis	2	Low		Low	
Oxyaquic Cryorthents	2	Low		High Available water	1.00
Temo	2	Moderate Texture/rock fragments	0.50	Low	
Whittell	2	Moderate Texture/rock fragments	0.50	Low	
Witefels	2	Moderate Texture/rock fragments	0.50	Low	
9406:					
Dagget, moist	80	Moderate Texture/slope/ rock fragments	0.50	Moderate Available water	0.50
Cassenai, moist	5	Low		Low	
Rockbound very stony loam	5	High Texture/slope/ surface depth	1.00	Low	
Jobsis	2	High Texture/slope/ surface depth	1.00	Low	
Oxyaquic Cryorthents	2	Low		High Available water	1.00
Temo	2	Moderate Texture/rock fragments	0.50	Low	
Whittell	2	Low		Low	
Witefels	2	Low		Low	
9407:					
Dagget, moist	55	Moderate Texture/slope/ rock fragments	0.50	Moderate Available water	0.50
Rock outcrop, granitic	25	Not rated		Not rated	
Temo	5	Moderate Texture/rock fragments	0.50	Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9407:					
Witefels	5	Low		Low	
Whittell	4	Low		Low	
Cassenai, moist	2	Low		Low	
Jobsis	2	High Texture/slope/ surface depth	1.00	Low	
Oxyaquic Cryorthents	2	Low		High Available water	1.00
9411:					
Freelpeak	50	Low		Moderate Available water	0.50
Windyridge	25	Low		Low	
Rock outcrop	10	Not rated		Not rated	
Jobsis	8	Low		Low	
Whittell	3	Low		Low	
Waterpeak	2	Low		Low	
Buggin	1	High Texture/slope/ surface depth	1.00	Low	
Glaciers	1	Not rated		Not rated	
9421:					
Jobsis	45	Moderate Texture/rock fragments	0.50	Low	
Whittell	25	Moderate Texture/rock fragments	0.50	High Available water	1.00
Rock outcrop	15	Not rated		Not rated	
Typic Cryorthents, 8 to 30 percent slopes	4	Low		Low	
Windyridge	4	Low		Low	
Klauspeak	2	Moderate Texture/slope/ rock fragments	0.50	Moderate Available water	0.50
Shalgran	2	High Texture/slope/ surface depth	1.00	High Available water	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9421:					
Buggin	1	Low		Low	
Typic Cryorthents, 4 to 30 percent slopes	1	Low		Low	
Waterpeak	1	Moderate Texture/rock fragments	0.50	Low	
9431:					
Sofgran	40	High Texture/slope/ surface depth	1.00	High Available water	1.00
Klauspeak	30	Moderate Texture/slope/ rock fragments	0.50	Moderate Available water	0.50
Temo	15	High Texture/rock fragments	1.00	Low	
Rock outcrop	4	Not rated		Not rated	
Shalgran	4	High Texture/slope/ surface depth	1.00	High Available water	1.00
Xeric Humicryepts	3	Moderate Texture/slope/ rock fragments	0.50	Moderate Available water	0.50
Stumpatil	2	Moderate Texture/rock fragments	0.50	Low	
Aquic Haplocryolls	1	Low		Low	
Hopeval	1	Low		Moderate Wetness Available water	0.50 0.50
9441:					
Temo	45	Moderate Texture/rock fragments	0.50	High Available water	1.00
Witefels	35	Moderate Texture/rock fragments	0.50	High Available water	1.00
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Moderate Texture/rock fragments	0.50	Low	

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9441:					
Cagwin	4	Moderate Texture/rock fragments	0.50	High Available water	1.00
Oxyaquic Cryorthents	1	Low		High Available water	1.00
9442:					
Temo	45	Moderate Texture/rock fragments	0.50	High Available water	1.00
Witefels	35	Moderate Texture/rock fragments	0.50	High Available water	1.00
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Moderate Texture/rock fragments	0.50	Low	
Cagwin	4	Moderate Texture/rock fragments	0.50	Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
9443:					
Temo	45	Moderate Texture/rock fragments	0.50	High Available water	1.00
Witefels	35	High Texture/slope/ rock fragments	1.00	High Available water	1.00
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Low		Low	
Cagwin	4	Low		Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
9444:					
Temo	45	Moderate Texture/rock fragments	0.50	High Available water	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9444:					
Witefels	35	High Texture/slope/ rock fragments	1.00	High Available water	1.00
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Low		Low	
Cagwin	4	Low		Low	
Oxyaquic Cryorthents	1	Low		High Available water	1.00
9451:					
Waterpeak	80	Low		Low	
Rock outcrop	10	Not rated		Not rated	
Shalgran	4	High Texture/slope/ surface depth	1.00	High Available water	1.00
Typic Cryorthents	4	High Texture/slope/ surface depth	1.00	Low	
Pachic Haplocryolls	2	Low		Low	
9461:					
Whittell	45	High Texture/slope/ rock fragments	1.00	High Available water	1.00
Jobsis	25	Low		Low	
Rock outcrop	15	Not rated		Not rated	
Jobsis, 8 to 30 percent slopes	4	Moderate Texture/rock fragments	0.50	Low	
Windyridge	4	Low		Low	
Klauspeak	2	Moderate Texture/slope/ rock fragments	0.50	Moderate Available water	0.50
Shalgran	2	High Texture/slope/ surface depth	1.00	High Available water	1.00

Table 12.--Damage by Fire and Seedling Mortality on Forestland--Continued

Map symbol and component name	Pct. of map unit	Potential for damage to soil by fire		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9461:					
Buggin	1	High Texture/slope/ surface depth	1.00	Low	
Typic Cryorthents	1	High Texture/slope/ surface depth	1.00	Low	
Waterpeak	1	Low		Low	
W:					
Water	100	Not rated		Not rated	

Table 13.--Rangeland Ecological Sites, Productivity, and Characteristic Vegetation

(Only the map units that include soils commonly used as rangeland are listed. See text for descriptions of the ecological sites and for explanation of other terms used in this table)

Map symbol and component name	Ecological site	Total dry-weight production			Characteristic vegetation	Species composition by weight
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
7041:						
Tahoe silt loam---------	Frigid Loamy Terrace (R022AE208CA)	2,500	1,500	900	Baltic rush (JUBA)	13
					Carex (CAREX)	11
					Slender cinquefoil (POGRF2)	10
					American bistort (POBI6)	8
					Bluegrass (POA)	8
					Straightleaf rush (JUOR)	8
					Tufted hairgrass (DECA18)	8
					Ashland cinquefoil (POGLA2)	7
					Oregon checkerbloom (SIORS)	6
					Longstalk clover (TRLO)	6
					Kentucky bluegrass (POPR)	3
					Nebraska sedge (CANE2)	3
					Penstemon (PENST)	3
					Rush (JUNCU)	3
					Common yarrow (ACMI2)	1
					Hairy arnica (ARMO4)	1
					Timothy (PHPR3)	1
Tahoe silt loam, wet----	Frigid Loamy Floodplain (R022AE203CA)	5,000	2,500	1,500	Lemmon's willow (SALE)	30
					Geyer's willow (SAGE2)	25
					Nebraska sedge (CANE2)	14
					Northwest Territory sedge (CAUT)	11
					Carex (CAREX)	11
					Shining willow (SALU)	3
					Oregon checkerbloom (SIORS)	1
					Common yarrow (ACMI2)	1
					Largeleaf avens (GEMA4)	1
					Moving polemonium (POCA3)	1
					Slender cinquefoil (POGRF2)	1
					Tufted hairgrass (DECA18)	1

Table 13.--Rangeland Ecological Sites, Productivity, and Characteristic Vegetation--Continued

Map symbol and component name	Ecological site	Total dry-weight production			Characteristic vegetation	Species composition by weight
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
7042:						
Tahoe, gravelly---------	Gravelly Flats (R022AE214CA)	3,500	2,500	1,500	Lemmon's willow (SALE)	65
					Carex (CAREX)	12
					Murray lodgepole pine (PICOM)	5
					Douglas sagewort (ARDO3)	3
					Kentucky bluegrass (POPR)	3
					Blue wildrye (ELGL)	2
					Brome (BROMU)	2
					Gooseberry (RIBES)	2
					Spreading groundsmoke (GADI2)	2
					Thinleaf alder (ALINT)	2
					Oregon checkerbloom (SIORS)	1
					Common yarrow (ACMI2)	1
					Fireweed (CHANC)	1
					Wax currant (RICE)	1
Tahoe, gravelly, wet----	Gravelly Flats (R022AE214CA)	3,500	2,500	1,500	Lemmon's willow (SALE)	55
					Carex (CAREX)	17
					Murray lodgepole pine (PICOM)	5
					Rush (JUNCU)	5
					Douglas sagewort (ARDO3)	3
					Kentucky bluegrass (POPR)	3
					Blue wildrye (ELGL)	2
					Brome (BROMU)	2
					Gooseberry (RIBES)	2
					Spreading groundsmoke (GADI2)	2
					Thinleaf alder (ALINT)	2
					Oregon checkerbloom (SIORS)	1
					Common yarrow (ACMI2)	1
					Fireweed (CHANC)	1
					Wax currant (RICE)	1

Table 13.--Rangeland Ecological Sites, Productivity, and Characteristic Vegetation--Continued

Map symbol and component name	Ecological site	Total dry-weight production			Characteristic vegetation	Species composition by weight
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
7043:						
Tahoe, drained----------	Frigid Loamy Terrace (R022AE208CA)	2,500	1,500	900	Baltic rush (JUBA)	13
					Carex (CAREX)	11
					Slender cinquefoil (POGRF2)	10
					American bistort (POBI6)	8
					Bluegrass (POA)	8
					Straightleaf rush (JUOR)	8
					Tufted hairgrass (DECA18)	8
					Ashland cinquefoil (POGLA2)	7
					Oregon checkerbloom (SIORS)	6
					Longstalk clover (TRLO)	6
					Kentucky bluegrass (POPR)	3
					Nebraska sedge (CANE2)	3
					Penstemon (PENST)	3
					Rush (JUNCU)	3
					Common yarrow (ACMI2)	1
					Hairy arnica (ARMO4)	1
					Timothy (PHPR3)	1
7071:						
Watah----------	Flooded Basins (R022AE209CA)	3,500	2,200	1,500	Northwest Territory sedge (CAUT)	22
					Baltic rush (JUBA)	20
					Lemmon's willow (SALE)	18
					Rough bentgrass (AGSC5)	16
					Blister sedge (CAVE6)	13
					Geyer's willow (SAGE2)	9
					Primrose monkeyflower (MIPR)	2
					Largeleaf avens (GEMA4)	1

Table 13.--Rangeland Ecological Sites, Productivity, and Characteristic Vegetation--Continued

Map symbol and component name	Ecological site	Total dry-weight production			Characteristic vegetation	Species composition by weight
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
7121:						
Ellispeak	Volcanic Slopes (R022AE217CA)	4,500	3,000	1,500	Huckleberry oak (QUVA)	39
					Greenleaf manzanita (ARPA6)	30
					Pinemat manzanita (ARNE)	10
					Western serviceberry (AMUT)	4
					Whitethorn ceanothus (CECO)	4
					Jeffrey pine (PIJE)	2
					Bitter cherry (PREM)	2
					Sierra gooseberry (RIRO)	1
					Buckwheat (ERIOG)	1
					Mountain monardella (MOOD)	1
					Prostrate ceanothus (CEPR)	1
					Western bottle-brush grass (ELEL5)	1
					Western white pine (PIMO3)	1
					White fir (ABCO)	1
Rock outcrop, volcanic.						
7122:						
Ellispeak	Volcanic Slopes (R022AE217CA)	4,500	3,000	1,500	Huckleberry oak (QUVA)	39
					Greenleaf manzanita (ARPA6)	30
					Pinemat manzanita (ARNE)	10
					Western serviceberry (AMUT)	4
					Whitethorn ceanothus (CECO)	4
					Jeffrey pine (PIJE)	2
					Bitter cherry (PREM)	2
					Sierra gooseberry (RIRO)	1
					Buckwheat (ERIOG)	1
					Mountain monardella (MOOD)	1
					Prostrate ceanothus (CEPR)	1
					Western bottle-brush grass (ELEL5)	1
					Western white pine (PIMO3)	1
					White fir (ABCO)	1
Rock outcrop, volcanic.						

Table 13.--Rangeland Ecological Sites, Productivity, and Characteristic Vegetation--Continued

Map symbol and component name	Ecological site	Total dry-weight production			Characteristic vegetation	Species composition by weight
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
7123:						
Ellispeak	Volcanic Slopes (R022AE217CA)	4,500	3,000	1,500	Huckleberry oak (QUVA)	39
					Greenleaf manzanita (ARPA6)	30
					Pinemat manzanita (ARNE)	10
					Western serviceberry (AMUT)	4
					Whitethorn ceanothus (CECO)	4
					Jeffrey pine (PIJE)	2
					Bitter cherry (PREM)	2
					Sierra gooseberry (RIRO)	1
					Buckwheat (ERIOG)	1
					Mountain monardella (MOOD)	1
					Prostrate ceanothus (CEPR)	1
					Western bottle-brush grass (ELEL5)	1
					Western white pine (PIMO3)	1
					White fir (ABCO)	1
Rock outcrop, volcanic.						
7131:						
Ellispeak	Volcanic Slopes (R022AE217CA)	4,500	3,000	1,500	Huckleberry oak (QUVA)	39
					Greenleaf manzanita (ARPA6)	30
					Pinemat manzanita (ARNE)	10
					Western serviceberry (AMUT)	4
					Whitethorn ceanothus (CECO)	4
					Jeffrey pine (PIJE)	2
					Bitter cherry (PREM)	2
					Sierra gooseberry (RIRO)	1
					Buckwheat (ERIOG)	1
					Mountain monardella (MOOD)	1
					Prostrate ceanothus (CEPR)	1
					Western bottle-brush grass (ELEL5)	1
					Western white pine (PIMO3)	1
					White fir (ABCO)	1
Waca.						

Table 13.--Rangeland Ecological Sites, Productivity, and Characteristic Vegetation--Continued

Map symbol and component name	Ecological site	Total dry-weight production			Characteristic vegetation	Species composition by weight
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
7132:						
Ellispeak	Volcanic Slopes (R022AE217CA)	4,500	3,000	1,500	Huckleberry oak (QUVA)	39
					Greenleaf manzanita (ARPA6)	30
					Pinemat manzanita (ARNE)	10
					Western serviceberry (AMUT)	4
					Whitethorn ceanothus (CECO)	4
					Jeffrey pine (PIJE)	2
					Bitter cherry (PREM)	2
					Sierra gooseberry (RIRO)	1
					Buckwheat (ERIOG)	1
					Mountain monardella (MOOD)	1
					Prostrate ceanothus (CEPR)	1
					Western bottle-brush grass (ELEL5)	1
					Western white pine (PIMO3)	1
					White fir (ABCO)	1
Waca.						
7133:						
Ellispeak	Volcanic Slopes (R022AE217CA)	4,500	3,000	1,500	Huckleberry oak (QUVA)	39
					Greenleaf manzanita (ARPA6)	30
					Pinemat manzanita (ARNE)	10
					Western serviceberry (AMUT)	4
					Whitethorn ceanothus (CECO)	4
					Jeffrey pine (PIJE)	2
					Bitter cherry (PREM)	2
					Sierra gooseberry (RIRO)	1
					Buckwheat (ERIOG)	1
					Mountain monardella (MOOD)	1
					Prostrate ceanothus (CEPR)	1
					Western bottle-brush grass (ELEL5)	1
					Western white pine (PIMO3)	1
					White fir (ABCO)	1
Waca.						
7201:						
Rubble land, talus.						

Table 13.--Rangeland Ecological Sites, Productivity, and Characteristic Vegetation--Continued

Map symbol and component name	Ecological site	Total dry-weight production			Characteristic vegetation	Species composition by weight
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
7201:						
Glenalpine	Steep Talus Slope (R022AE213CA)	5,000	3,500	2,000	Huckleberry oak (QUVA)	70
					Whitethorn ceanothus (CECO)	7
					Western juniper (JUOC)	5
					Jeffrey pine (PIJE)	2
					Western white pine (PIMO3)	2
					Bitter cherry (PREM)	1
					Greenleaf manzanita (ARPA6)	1
7241:						
Zephyrcove.						
Southcamp.						
Genoapeak	Shallow Sandy Slope (R022AE210CA)	1,500	1,000	800	Greenleaf manzanita (ARPA6)	40
					Huckleberry oak (QUVA)	40
					Sierra chinquapin (CHSE11)	5
					Snowbrush ceanothus (CEVE)	5
					Whitethorn ceanothus (CECO)	4
					Pinemat manzanita (ARNE)	3
					Jeffrey pine (PIJE)	2
					California red fir (ABMA)	1
7242:						
Zephyrcove.						
Southcamp.						
Genoapeak	Shallow Sandy Slope (R022AE210CA)	1,500	1,000	800	Greenleaf manzanita (ARPA6)	40
					Huckleberry oak (QUVA)	40
					Sierra chinquapin (CHSE11)	5
					Snowbrush ceanothus (CEVE)	5
					Whitethorn ceanothus (CECO)	4
					Pinemat manzanita (ARNE)	3
					Jeffrey pine (PIJE)	2
					California red fir (ABMA)	1
7501:						
Rock outcrop, granitic.						

Table 13.--Rangeland Ecological Sites, Productivity, and Characteristic Vegetation--Continued

Map symbol and component name	Ecological site	Total dry-weight production			Characteristic vegetation	Species composition by weight
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
7501: Rockbound very gravelly loam	Granitic Pocket (R022AE202CA)	1,000	650	150	Huckleberry oak (QUVA)	54
					Greenleaf manzanita (ARPA6)	13
					Jeffrey pine (PIJE)	7
					Pinemat manzanita (ARNE)	7
					Western juniper (JUOC)	7
					Sierra stonecrop (SEOB)	4
					Lodgepole pine (PICO)	4
					Mountain pride (PENE3)	3
					Parry's rush (JUPA)	1
					Sandberg bluegrass (POSE)	1
					Watson's spikemoss (SEWA2)	1
					Bastardsage (ERWR)	1
					Needlegrass (ACHNA)	1
					Western white pine (PIMO3)	1
7501: Rock outcrop, granitic.						
Rockbound very stony loam	Granitic Pocket (R022AE202CA)	1,000	650	150	Huckleberry oak (QUVA)	54
					Greenleaf manzanita (ARPA6)	13
					Jeffrey pine (PIJE)	7
					Pinemat manzanita (ARNE)	7
					Western juniper (JUOC)	7
					Sierra stonecrop (SEOB)	4
					Lodgepole pine (PICO)	4
					Mountain pride (PENE3)	3
					Parry's rush (JUPA)	1
					Sandberg bluegrass (POSE)	1
					Watson's spikemoss (SEWA2)	1
					Bastardsage (ERWR)	1
					Needlegrass (ACHNA)	1
					Western white pine (PIMO3)	1

Table 13.--Rangeland Ecological Sites, Productivity, and Characteristic Vegetation--Continued

Map symbol and component name	Ecological site	Total dry-weight production			Characteristic vegetation	Species composition by weight
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
7531:						
Toem	Shallow Sandy Slope (R022AE210CA)	1,500	1,000	800	Greenleaf manzanita (ARPA6)	40
					Huckleberry oak (QUVA)	40
					Sierra chinquapin (CHSE11)	5
					Snowbrush ceanothus (CEVE)	5
					Whitethorn ceanothus (CECO)	4
					Pinemat manzanita (ARNE)	3
					Jeffrey pine (PIJE)	2
					California red fir (ABMA)	1
Rock outcrop, granitic.						
7532:						
Toem	Shallow Sandy Slope (R022AE210CA)	1,500	1,000	800	Greenleaf manzanita (ARPA6)	40
					Huckleberry oak (QUVA)	40
					Sierra chinquapin (CHSE11)	5
					Snowbrush ceanothus (CEVE)	5
					Whitethorn ceanothus (CECO)	4
					Pinemat manzanita (ARNE)	3
					Jeffrey pine (PIJE)	2
					California red fir (ABMA)	1
Rock outcrop, granitic.						
7533:						
Toem	Shallow Sandy Slope (R022AE210CA)	1,500	1,000	800	Greenleaf manzanita (ARPA6)	40
					Huckleberry oak (QUVA)	40
					Sierra chinquapin (CHSE11)	5
					Snowbrush ceanothus (CEVE)	5
					Whitethorn ceanothus (CECO)	4
					Pinemat manzanita (ARNE)	3
					Jeffrey pine (PIJE)	2
					California red fir (ABMA)	1
Rock outcrop, granitic.						

Table 13.--Rangeland Ecological Sites, Productivity, and Characteristic Vegetation--Continued

Map symbol and component name	Ecological site	Total dry-weight production			Characteristic vegetation	Species composition by weight
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
9001:						
Bidart mucky silt loam--	Cold Semi-Wet Alluvial Flat (R022AE221CA)	3,000	2,000	1,000	Carex (CAREX)	30
					Nebraska sedge (CANE2)	27
					Tufted hairgrass (DECA18)	27
					Baltic rush (JUBA)	5
					California false hellebore (VECAC2)	3
					Mountain willow (SAEA)	3
					Ashland cinquefoil (POGLA2)	1
					Common yarrow (ACMI2)	1
					Pussytoes (ANTEN)	1
					Rush (JUNCU)	1
					Yampah (PERID)	1
Bidart, wet----------	Cold Wet Alluvial Flat (R022AE207CA)	3,000	1,400	800	Mountain willow (SAEA)	50
					Carex (CAREX)	15
					Tufted hairgrass (DECA18)	15
					California false hellebore (VECAC2)	8
					Gray's licorice-root (LIGR)	2
					Bigleaf lupine (LUPO2)	2
					Brome (BROMU)	2
					Fireweed (CHANC)	2
					Mountain sedge (CASC12)	2
					Arrowleaf ragwort (SETR)	1
					Giant red Indian paintbrush (CAMI12)	1
9011:						
Oxyaquic Cryorthents.						
Aquic Xerorthents.						
Tahoe, gravelly---------	Gravelly Flats (R022AE214CA)	3,500	2,500	1,500	Lemmon's willow (SALE)	65
					Carex (CAREX)	12
					Murray lodgepole pine (PICOM)	5
					Douglas sagewort (ARDO3)	3
					Kentucky bluegrass (POPR)	3
					Blue wildrye (ELGL)	2
					Brome (BROMU)	2
					Gooseberry (RIBES)	2
					Spreading groundsmoke (GADI2)	2
					Thinleaf alder (ALINT)	2
					Oregon checkerbloom (SIORS)	1
					Common yarrow (ACMI2)	1
					Fireweed (CHANC)	1
					Wax currant (RICE)	1

Table 13.--Rangeland Ecological Sites, Productivity, and Characteristic Vegetation--Continued

Map symbol and component name	Ecological site	Total dry-weight production			Characteristic vegetation	Species composition by weight
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
9131:						
Lithnip	Barren Slope 20+ p.z. (R022AY012NV)	650	350	75	Indian ricegrass (ACHY)	5
					Bluegrass (POA)	5
					Western needlegrass (ACOCO)	5
					Mulesears wyethia (WYAM)	25
					Wild mint (MEAR4)	10
					Eriogonum (ERIOG)	5
					Goldenweed (PYRRO)	5
					Lupine (LUPIN)	5
					Low sagebrush (ARAR8)	2
					Mountain big sagebrush (ARTRV)	2
					Snowberry (SYMPH)	2
Meiss	Shallow Andesite Ridge (R022AE211CA)	600	355	110	Low sagebrush (ARAR8)	35
					Roundleaf snowberry (SYRO)	10
					Spreading phlox (PHDI3)	9
					Sulfur flower buckwheat (ERUM)	8
					Sandberg bluegrass (POSE)	6
					Western needlegrass (ACOCO)	2
Hawkinspeak	South Slope 30+ p.z. (R022AY021NV)	1,400	1,200	900	Mountain brome (BRMA4)	25
					Western needlegrass (ACOCO)	25
					Misc. perennial forbs (PPFF)	10
					Mountain big sagebrush (ARTRV)	20
					Antelope bitterbrush (PUTR2)	15
9141:						
Melody	Cryic Volcanic Slope (R022AE219CA)	1,200	850	500	Woolly mule-ears (WYMO)	25
					Mountain big sagebrush (ARTRV)	19
					Snowbrush ceanothus (CEVE)	13
					Antelope bitterbrush (PUTR2)	10
					Pinemat manzanita (ARNE)	8
					Roundleaf snowberry (SYRO)	5
					Sulfur flower buckwheat (ERUM)	5
					Lupine (LUPIN)	3
					Longspur lupine (LUAR6)	2
					Mountain monardella (MOOD)	2
					Prairie flax (LILE3)	2
					Waxy checkerbloom (SIGL2)	2
					Brewer's angelica (ANBR5)	1
					California red fir (ABMA)	1
					Spreading phlox (PHDI3)	1
					Western bottle-brush grass (ELEL5)	1

Table 13.--Rangeland Ecological Sites, Productivity, and Characteristic Vegetation--Continued

Map symbol and component name	Ecological site	Total dry-weight production			Characteristic vegetation	Species composition by weight
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
9141:						
Rock outcrop, volcanic.						
9142:						
Melody----------	Cryic Volcanic Slope (R022AE219CA)	1,200	850	500	Woolly mule-ears (WYMO)	25
					Mountain big sagebrush (ARTRV)	19
					Snowbrush ceanothus (CEVE)	13
					Antelope bitterbrush (PUTR2)	10
					Pinemat manzanita (ARNE)	8
					Roundleaf snowberry (SYRO)	5
					Sulfur flower buckwheat (ERUM)	5
					Lupine (LUPIN)	3
					Longspur lupine (LUAR6)	2
					Mountain monardella (MOOD)	2
					Prairie flax (LILE3)	2
					Waxy checkerbloom (SIGL2)	2
					Brewer's angelica (ANBR5)	1
					California red fir (ABMA)	1
					Spreading phlox (PHDI3)	1
					Western bottle-brush grass (ELEL5)	1
Rock outcrop, volcanic.						
9143:						
Melody----------	Cryic Volcanic Slope (R022AE219CA)	1,200	850	500	Woolly mule-ears (WYMO)	25
					Mountain big sagebrush (ARTRV)	19
					Snowbrush ceanothus (CEVE)	13
					Antelope bitterbrush (PUTR2)	10
					Pinemat manzanita (ARNE)	8
					Roundleaf snowberry (SYRO)	5
					Sulfur flower buckwheat (ERUM)	5
					Lupine (LUPIN)	3
					Longspur lupine (LUAR6)	2
					Mountain monardella (MOOD)	2
					Prairie flax (LILE3)	2
					Waxy checkerbloom (SIGL2)	2
					Brewer's angelica (ANBR5)	1
					California red fir (ABMA)	1
					Spreading phlox (PHDI3)	1
					Western bottle-brush grass (ELEL5)	1

Table 13.--Rangeland Ecological Sites, Productivity, and Characteristic Vegetation--Continued

Map symbol and component name	Ecological site	Total dry-weight production			Characteristic vegetation	Species composition by weight
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
9143:						
Rock outcrop, volcanic.						
9164:						
Sky.						
Melody	Cryic Volcanic Slope (R022AE219CA)	1,200	850	500	Woolly mule-ears (WYMO)	25
					Mountain big sagebrush (ARTRV)	19
					Snowbrush ceanothus (CEVE)	13
					Antelope bitterbrush (PUTR2)	10
					Pinemat manzanita (ARNE)	8
					Roundleaf snowberry (SYRO)	5
					Sulfur flower buckwheat (ERUM)	5
					Lupine (LUPIN)	3
					Longspur lupine (LUAR6)	2
					Mountain monardella (MOOD)	2
					Prairie flax (LILE3)	2
					Waxy checkerbloom (SIGL2)	2
					Brewer's angelica (ANBR5)	1
					California red fir (ABMA)	1
					Spreading phlox (PHDI3)	1
					Western bottle-brush grass (ELEL5)	1
9165:						
Sky.						
Melody	Cryic Volcanic Slope (R022AE219CA)	1,200	850	500	Woolly mule-ears (WYMO)	25
					Mountain big sagebrush (ARTRV)	19
					Snowbrush ceanothus (CEVE)	13
					Antelope bitterbrush (PUTR2)	10
					Pinemat manzanita (ARNE)	8
					Roundleaf snowberry (SYRO)	5
					Sulfur flower buckwheat (ERUM)	5
					Lupine (LUPIN)	3
					Longspur lupine (LUAR6)	2
					Mountain monardella (MOOD)	2
					Prairie flax (LILE3)	2
					Waxy checkerbloom (SIGL2)	2
					Brewer's angelica (ANBR5)	1
					California red fir (ABMA)	1
					Spreading phlox (PHDI3)	1
					Western bottle-brush grass (ELEL5)	1

Table 13.--Rangeland Ecological Sites, Productivity, and Characteristic Vegetation--Continued

Map symbol and component name	Ecological site	Total dry-weight production			Characteristic vegetation	Species composition by weight
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
9166:						
Sky.						
Melody	Cryic Volcanic Slope (R022AE219CA)	1,200	850	500	Woolly mule-ears (WYMO)	25
					Mountain big sagebrush (ARTRV)	19
					Snowbrush ceanothus (CEVE)	13
					Antelope bitterbrush (PUTR2)	10
					Pinemat manzanita (ARNE)	8
					Roundleaf snowberry (SYRO)	5
					Sulfur flower buckwheat (ERUM)	5
					Lupine (LUPIN)	3
					Longspur lupine (LUAR6)	2
					Mountain monardella (MOOD)	2
					Prairie flax (LILE3)	2
					Waxy checkerbloom (SIGL2)	2
					Brewer's angelica (ANBR5)	1
					California red fir (ABMA)	1
					Spreading phlox (PHDI3)	1
					Western bottle-brush grass (ELEL5)	1
9171:						
Mountrose	Deep Cryic Volcanic Slope (R022AE215CA)	1,500	1,000	500	Woolly mule-ears (WYMO)	78
					Mountain monardella (MOOD)	10
					Bottlebrush squirreltail (ELEL5)	3
					Lupine (LUPIN)	3
					California red fir (ABMA)	1
					Jeffrey pine (PIJE)	1
					Mountain big sagebrush (ARTRV)	1
					Sulfur flower buckwheat (ERUM)	1
					Western white pine (PIMO3)	1
					Whitebark pine (PIAL)	1

Table 13.--Rangeland Ecological Sites, Productivity, and Characteristic Vegetation--Continued

Map symbol and component name	Ecological site	Total dry-weight production			Characteristic vegetation	Species composition by weight
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
9171:						
Wardcreek	Cryic Volcanic Slope (R022AE219CA)	1,200	850	500	Woolly mule-ears (WYMO)	25
					Mountain big sagebrush (ARTRV)	19
					Snowbrush ceanothus (CEVE)	13
					Antelope bitterbrush (PUTR2)	10
					Pinemat manzanita (ARNE)	8
					Roundleaf snowberry (SYRO)	5
					Sulfur flower buckwheat (ERUM)	5
					Lupine (LUPIN)	3
					Longspur lupine (LUAR6)	2
					Mountain monardella (MOOD)	2
					Prairie flax (LILE3)	2
					Waxy checkerbloom (SIGL2)	2
					Brewer's angelica (ANBR5)	1
					California red fir (ABMA)	1
					Spreading phlox (PHDI3)	1
					Western bottle-brush grass (ELEL5)	1
Melody	Cryic Volcanic Slope (R022AE219CA)	1,200	850	500	Woolly mule-ears (WYMO)	25
					Mountain big sagebrush (ARTRV)	19
					Snowbrush ceanothus (CEVE)	13
					Antelope bitterbrush (PUTR2)	10
					Pinemat manzanita (ARNE)	8
					Roundleaf snowberry (SYRO)	5
					Sulfur flower buckwheat (ERUM)	5
					Lupine (LUPIN)	3
					Longspur lupine (LUAR6)	2
					Mountain monardella (MOOD)	2
					Prairie flax (LILE3)	2
					Waxy checkerbloom (SIGL2)	2
					Brewer's angelica (ANBR5)	1
					California red fir (ABMA)	1
					Spreading phlox (PHDI3)	1
					Western bottle-brush grass (ELEL5)	1
9411:						
Freelpeak	Alpine Ridge (R022AY032NV)	200	75	25	Bluegrass (POA)	10
					Needlegrass (ACHNA)	10
					Misc. perennial forbs (PPFF)	50
					Misc. shrubs (SSSS)	5

Table 13.--Rangeland Ecological Sites, Productivity, and Characteristic Vegetation--Continued

Map symbol and component name	Ecological site	Total dry-weight production			Characteristic vegetation	Species composition by weight
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
9411:						
Windyridge	Alpine Ridge (R022AY032NV)	350	225	150	Bluegrass (POA)	10
					Needlegrass (ACHNA)	10
					Misc. perennial forbs (PPFF)	50
					Misc. shrubs (SSSS)	5
Rock outcrop.						
9451:						
Waterpeak	South Slope 30+ p.z. (R022AY021NV)	1,400	1,200	900	Mountain brome (BRMA4)	25
					Western needlegrass (ACOCO)	25
					Misc. perennial forbs (PPFF)	10
					Mountain big sagebrush (ARTRV)	20
					Antelope bitterbrush (PUTR2)	15
Rock outcrop.						

Table 14.--Canopy Cover

(Only map units that have soils commonly used as rangeland are listed. See text for descriptions of the ecological sites)

Map symbol and component name	Ecological site	Characteristic vegetation	Canopy cover
			Pct
7021:			
Hellhole--------	Sphagnum Fen (R022AE204CA)	Sphagnum moss	85
		Mountain willow	8
		Alpine aster	3
		Bog blueberry	1
		Bog laurel	1
		Northwest Territory sedge	<1
7041:			
Tahoe silt loam	Frigid Loamy Terrace (R022AE208CA)	Carex	22
		Baltic rush	15
		Nebraska sedge	8
		Straightleaf rush	8
		Bluegrass	7
		Tufted hairgrass	6
		American bistort	4
		Kentucky bluegrass	4
		Common yarrow	3
		Timothy	3
		Oregon checkerbloom	2
		Hairy arnica	2
		Mat muhly	2
		Rush	2
		Ashland cinquefoil	1
		Longstalk clover	1
		Penstemon	1
		Slender cinquefoil	1
Tahoe silt loam, wet----------	Frigid Loamy Floodplain (R022AE203CA)	Lemmon's willow	25
		Carex	25
		Nebraska sedge	18
		Northwest Territory sedge	18
		Geyer's willow	9
		Baltic rush	6
		Shining willow	5
		Tufted hairgrass	4
		Whitestem gooseberry	4
		Hairy arnica	2
		Slimstem reedgrass	2
		California false hellebore	1
		Oregon checkerbloom	1
		Sierra lodgepole pine	1
		Common yarrow	1
		Largeleaf avens	1
		Lodgepole pine	1
		Meadow barley	1
		Moving polemonium	1
		Wild mint	1
		Fringed willowherb	<1
		Slender cinquefoil	<1

Table 14.--Canopy Cover--Continued

Map symbol and component name	Ecological site	Characteristic vegetation	Canopy cover
			Pct
7042:			
Tahoe, gravelly	Gravelly Flats (R022AE214CA)	Lemmon's willow	30
		Carex	5
		Kentucky bluegrass	3
		Douglas sagewort	2
		Sierra lodgepole pine	2
		Gooseberry	2
		Ashland cinquefoil	1
		Oregon checkerbloom	1
		Blue wildrye	1
		Brome	1
		Common yarrow	1
		Fireweed	1
		Thinleaf alder	1
		Wax currant	1
		Spreading groundsmoke	<1
Tahoe, gravelly, wet----------	Gravelly Flats (R022AE214CA)	Lemmon's willow	25
		Carex	20
		Rush	10
		Kentucky bluegrass	3
		Douglas sagewort	2
		Sierra lodgepole pine	2
		Gooseberry	2
		Ashland cinquefoil	1
		Oregon checkerbloom	1
		Blue wildrye	1
		Brome	1
		Common yarrow	1
		Fireweed	1
		Thinleaf alder	1
		Wax currant	1
		Spreading groundsmoke	<1
7043:			
Tahoe, drained--	Frigid Loamy Terrace (R022AE208CA)	Carex	22
		Baltic rush	15
		Nebraska sedge	8
		Straightleaf rush	8
		Bluegrass	7
		Tufted hairgrass	6
		American bistort	4
		Kentucky bluegrass	4
		Common yarrow	3
		Timothy	3
		Oregon checkerbloom	2
		Hairy arnica	2
		Mat muhly	2
		Rush	2
		Ashland cinquefoil	1
		Longstalk clover	1
		Penstemon	1
		Slender cinquefoil	1

Table 14.--Canopy Cover--Continued

Map symbol and component name	Ecological site	Characteristic vegetation	Canopy cover
			Pct
7071:			
Watah----------	Flooded Basins (R022AE209CA)	Northwest Territory sedge	50
		Blister sedge	35
		Lemmon's willow	12
		Baltic rush	8
		Geyer's willow	8
		Rough bentgrass	5
		Rush	4
		Primrose monkeyflower	3
		Largeleaf avens	1
		Carex	<1
		Fringed willowherb	<1
		Spikerush	<1
7121:			
Ellispeak-------	Volcanic Slopes (R022AE217CA)	Huckleberry oak	10
		Greenleaf manzanita	5
		Pinemat manzanita	5
		Bitter cherry	3
		Jeffrey pine	2
		Prostrate ceanothus	2
		Western white pine	2
		White fir	2
		Whitethorn ceanothus	2
		Mountain monardella	1
		Squirreltail	1
		Western serviceberry	1
		Sierra gooseberry	<1
		Buckwheat	<1
		Dusky onion	<1
		Lambstongue ragwort	<1
Rock outcrop, volcanic.			
7122:			
Ellispeak-------	Volcanic Slopes (R022AE217CA)	Huckleberry oak	10
		Greenleaf manzanita	5
		Pinemat manzanita	5
		Bitter cherry	3
		Jeffrey pine	2
		Prostrate ceanothus	2
		Western white pine	2
		White fir	2
		Whitethorn ceanothus	2
		Mountain monardella	1
		Squirreltail	1
		Western serviceberry	1
		Sierra gooseberry	<1
		Buckwheat	<1
		Dusky onion	<1
		Lambstongue ragwort	<1
Rock outcrop, volcanic.			

Table 14.--Canopy Cover--Continued

Map symbol and component name	Ecological site	Characteristic vegetation	Canopy cover
			Pct
7123:			
Ellispeak-------	Volcanic Slopes (R022AE217CA)	Huckleberry oak	10
		Greenleaf manzanita	5
		Pinemat manzanita	5
		Bitter cherry	3
		Jeffrey pine	2
		Prostrate ceanothus	2
		Western white pine	2
		White fir	2
		Whitethorn ceanothus	2
		Mountain monardella	1
		Squirreltail	1
		Western serviceberry	1
		Sierra gooseberry	<1
		Buckwheat	<1
		Dusky onion	<1
		Lambstongue ragwort	<1
Rock outcrop, volcanic.			
7131:			
Ellispeak-------	Volcanic Slopes (R022AE217CA)	Huckleberry oak	10
		Greenleaf manzanita	5
		Pinemat manzanita	5
		Bitter cherry	3
		Jeffrey pine	2
		Prostrate ceanothus	2
		Western white pine	2
		White fir	2
		Whitethorn ceanothus	2
		Mountain monardella	1
		Squirreltail	1
		Western serviceberry	1
		Sierra gooseberry	<1
		Buckwheat	<1
		Dusky onion	<1
		Lambstongue ragwort	<1
Waca.			
7132:			
Ellispeak-------	Volcanic Slopes (R022AE217CA)	Huckleberry oak	10
		Greenleaf manzanita	5
		Pinemat manzanita	5
		Bitter cherry	3
		Jeffrey pine	2
		Prostrate ceanothus	2
		Western white pine	2
		White fir	2
		Whitethorn ceanothus	2
		Mountain monardella	1
		Squirreltail	1
		Western serviceberry	1
		Sierra gooseberry	<1
		Buckwheat	<1
		Dusky onion	<1
		Lambstongue ragwort	<1
Waca.			

Table 14.--Canopy Cover--Continued

Map symbol and component name	Ecological site	Characteristic vegetation	Canopy cover
			Pct
7133:			
Ellispeak-------	Volcanic Slopes (R022AE217CA)	Huckleberry oak	10
		Greenleaf manzanita	5
		Pinemat manzanita	5
		Bitter cherry	3
		Jeffrey pine	2
		Prostrate ceanothus	2
		Western white pine	2
		White fir	2
		Whitethorn ceanothus	2
		Mountain monardella	1
		Squirreltail	1
		Western serviceberry	1
		Sierra gooseberry	<1
		Buckwheat	<1
		Dusky onion	<1
		Lambstongue ragwort	<1
Waca.			
7201:			
Rubble land, talus.			
Glenalpine------	Steep Talus Slope (R022AE213CA)	Huckleberry oak	37
		Western juniper	3
		Whitethorn ceanothus	3
		Bitter cherry	2
		Jeffrey pine	1
		Greenleaf manzanita	1
		Roundleaf snowberry	1
		Western white pine	1
		Creambush oceanspray	<1
		Western serviceberry	<1
7241:			
Zephyrcove.			
Southcamp.			
Genoapeak-------	Shallow Sandy Slope (R022AE210CA)	Greenleaf manzanita	20
		Huckleberry oak	20
		Jeffrey pine	3
		California red fir	2
		Sierra chinquapin	2
		Pinemat manzanita	2
		Snowbrush ceanothus	2
		Whitethorn ceanothus	2
		Bastardsage	1
		Squirreltail	1
		Sulfur flower buckwheat	1
		White fir	1
		Spreading phlox	<1
		Western needlegrass	<1
7242:			
Zephyrcove.			
Southcamp.			

Table 14.--Canopy Cover--Continued

Map symbol and component name	Ecological site	Characteristic vegetation	Canopy cover
			Pct
7242:			
Genoapeak-------	Shallow Sandy Slope (R022AE210CA)	Greenleaf manzanita	20
		Huckleberry oak	20
		Jeffrey pine	3
		California red fir	2
		Sierra chinquapin	2
		Pinemat manzanita	2
		Snowbrush ceanothus	2
		Whitethorn ceanothus	2
		Bastardsage	1
		Squirreltail	1
		Sulfur flower buckwheat	1
		White fir	1
		Spreading phlox	<1
		Western needlegrass	<1
7501:			
Rock outcrop, granitic.			
Rockbound very gravelly loam--	Granitic Pocket (R022AE202CA)	Western juniper	6
		Huckleberry oak	5
		Jeffrey pine	3
		Greenleaf manzanita	3
		Watson's spikemoss	2
		Mountain pride	2
		Pinemat manzanita	2
		Parry's rush	1
		Sandberg bluegrass	1
		Sierra stonecrop	1
		Bastardsage	1
		Dusky onion	1
		Lodgepole pine	1
		Needlegrass	1
		Western white pine	1
7502:			
Rock outcrop, granitic.			
Rockbound very stony loam-----	Granitic Pocket (R022AE202CA)	Western juniper	6
		Huckleberry oak	5
		Jeffrey pine	3
		Greenleaf manzanita	3
		Watson's spikemoss	2
		Mountain pride	2
		Pinemat manzanita	2
		Parry's rush	1
		Sandberg bluegrass	1
		Sierra stonecrop	1
		Bastardsage	1
		Dusky onion	1
		Lodgepole pine	1

Table 14.--Canopy Cover--Continued

Map symbol and component name	Ecological site	Characteristic vegetation	Canopy cover
			Pct
7531:			
Toem----------	Shallow Sandy Slope (R022AE210CA)	Greenleaf manzanita	20
		Huckleberry oak	20
		Jeffrey pine	3
		California red fir	2
		Sierra chinquapin	2
		Pinemat manzanita	2
		Snowbrush ceanothus	2
		Whitethorn ceanothus	2
		Bastardsage	1
		Squirreltail	1
		Sulfur flower buckwheat	1
		White fir	1
		Spreading phlox	<1
		Western needlegrass	<1
Rock outcrop, granitic.			
7532:			
Toem----------	Shallow Sandy Slope (R022AE210CA)	Greenleaf manzanita	20
		Huckleberry oak	20
		Jeffrey pine	3
		California red fir	2
		Sierra chinquapin	2
		Pinemat manzanita	2
		Snowbrush ceanothus	2
		Whitethorn ceanothus	2
		Bastardsage	1
		Squirreltail	1
		Sulfur flower buckwheat	1
		White fir	1
		Spreading phlox	<1
		Western needlegrass	<1
Rock outcrop, granitic.			
7533:			
Toem----------	Shallow Sandy Slope (R022AE210CA)	Greenleaf manzanita	20
		Huckleberry oak	20
		Jeffrey pine	3
		California red fir	2
		Sierra chinquapin	2
		Pinemat manzanita	2
		Snowbrush ceanothus	2
		Whitethorn ceanothus	2
		Bastardsage	1
		Squirreltail	1
		Sulfur flower buckwheat	1
		White fir	1
		Spreading phlox	<1
		Western needlegrass	<1
Rock outcrop, granitic.			

Table 14.--Canopy Cover--Continued

Map symbol and component name	Ecological site	Characteristic vegetation	Canopy cover
			Pct
9001:			
Bidart mucky silt loam------	Cold Semi-Wet Alluvial Flat (R022AE221CA)	Nebraska sedge	30
		Tufted hairgrass	25
		Carex	20
		Baltic rush	15
		Rush	15
		Ashland cinquefoil	3
		Mat muhly	3
		Bluegrass	2
		Common yarrow	2
		Yampah	2
		California false hellebore	1
		Mountain willow	1
		Muhly	1
		Penstemon	1
		American bistort	<1
		Arrowleaf ragwort	<1
		Aster	<1
		Pussytoes	<1
Bidart, wet------	Cold Wet Alluvial Flat (R022AE207CA)	Mountain willow	40
		California false hellebore	15
		Carex	7
		Tufted hairgrass	7
		Bigleaf lupine	5
		Fireweed	4
		Sandberg bluegrass	3
		Arrowleaf ragwort	3
		Gray's licorice-root	2
		Brome	2
		Giant red Indian paintbrush	2
		Mountain sedge	2
		Ashland cinquefoil	1
		Fendler's meadow-rue	1
		Lemmon's willow	1
		Sierra lodgepole pine	1
		Sierra willow	1
		Barley	1
		Common yarrow	1
		Daisy	1
		Primrose monkeyflower	1
		Rush	1
		Western mountain aster	1
		Fringed willowherb	<1
		Longstalk clover	<1
9011:			
Oxyaquic Cryorthents.			
Aquic Xerorthents.			

Table 14.--Canopy Cover--Continued

Map symbol and component name	Ecological site	Characteristic vegetation	Canopy cover
			Pct
9011:			
Tahoe, gravelly	Gravelly Flats (R022AE214CA)	Lemmon's willow	30
		Carex	5
		Kentucky bluegrass	3
		Douglas sagewort	2
		Sierra lodgepole pine	2
		Gooseberry	2
		Ashland cinquefoil	1
		Oregon checkerbloom	1
		Blue wildrye	1
		Brome	1
		Common yarrow	1
		Fireweed	1
		Thinleaf alder	1
		Wax currant	1
		Spreading groundsmoke	<1
9131:			
Lithnip---------	Barren Slope 20+ p.z. (R022AY012NV)	Mulesears wyethia	5
		Bluegrass	3
		Wild mint	3
		Misc. shrubs	2
		Western needlegrass	2
Meiss----------	Shallow Andesite Ridge (R022AE211CA)	Low sagebrush	15
		Lupine	5
		Roundleaf snowberry	5
		Spreading phlox	5
		Sulfur flower buckwheat	5
		Sandberg bluegrass	2
		Big sagebrush	1
		Bottlebrush squirreltail	1
		Catchfly	1
		Dwarf alpine Indian paintbrush	1
		Locoweed	1
		Penstemon	1
		Poineer rockcress	1
		Singlehead goldenbush	1
		Western needlegrass	1
		Whitestem goldenbush	1
Hawkinspeak-----	South Slope 30+ p.z. (R022AY021NV)	Mountain brome	15
		Western needlegrass	15
		Mountain big sagebrush	10
		Antelope bitterbrush	5
		Misc. perennial forbs	5

Table 14.--Canopy Cover--Continued

Map symbol and component name	Ecological site	Characteristic vegetation	Canopy cover
			Pct
9141:			
Melody----------	Cryic Volcanic Slope (R022AE219CA)	Mountain big sagebrush	25
		Antelope bitterbrush	13
		Woolly mule-ears	8
		Snowbrush ceanothus	5
		Sulfur flower buckwheat	5
		California red fir	4
		Lupine	4
		Longspur lupine	3
		Mountain monardella	3
		Pinemat manzanita	3
		Roundleaf snowberry	3
		Brewer's angelica	2
		Waxy checkerbloom	2
		Prairie flax	1
		Spreading phlox	1
		Squirreltail	1
		Aster	<1
		Needlegrass	<1
Rock outcrop, volcanic.			
9142:			
Melody----------	Cryic Volcanic Slope (R022AE219CA)	Mountain big sagebrush	25
		Antelope bitterbrush	13
		Woolly mule-ears	8
		Snowbrush ceanothus	5
		Sulfur flower buckwheat	5
		California red fir	4
		Lupine	4
		Longspur lupine	3
		Mountain monardella	3
		Pinemat manzanita	3
		Roundleaf snowberry	3
		Brewer's angelica	2
		Waxy checkerbloom	2
		Prairie flax	1
		Spreading phlox	1
		Squirreltail	1
		Aster	<1
		Needlegrass	<1
Rock outcrop, volcanic.			
9143:			
Melody----------	Cryic Volcanic Slope (R022AE219CA)	Mountain big sagebrush	25
		Antelope bitterbrush	13
		Woolly mule-ears	8
		Snowbrush ceanothus	5
		Sulfur flower buckwheat	5
		California red fir	4
		Lupine	4
		Longspur lupine	3
		Mountain monardella	3
		Pinemat manzanita	3
		Roundleaf snowberry	3
		Brewer's angelica	2
		Waxy checkerbloom	2
		Prairie flax	1
		Spreading phlox	1
		Squirreltail	1
		Aster	<1
		Needlegrass	<1

Table 14.--Canopy Cover--Continued

Map symbol and component name	Ecological site	Characteristic vegetation	Canopy cover
			Pct
9143:			
Rock outcrop, volcanic.			
9164:			
Sky.			
Melody----------	Cryic Volcanic Slope (R022AE219CA)	Mountain big sagebrush	25
		Antelope bitterbrush	13
		Woolly mule-ears	8
		Snowbrush ceanothus	5
		Sulfur flower buckwheat	5
		California red fir	4
		Lupine	4
		Longspur lupine	3
		Mountain monardella	3
		Pinemat manzanita	3
		Roundleaf snowberry	3
		Brewer's angelica	2
		Waxy checkerbloom	2
		Prairie flax	1
		Spreading phlox	1
		Squirreltail	1
		Aster	<1
		Needlegrass	<1
9165:			
Sky.			
Melody----------	Cryic Volcanic Slope (R022AE219CA)	Mountain big sagebrush	25
		Antelope bitterbrush	13
		Woolly mule-ears	8
		Snowbrush ceanothus	5
		Sulfur flower buckwheat	5
		California red fir	4
		Lupine	4
		Longspur lupine	3
		Mountain monardella	3
		Pinemat manzanita	3
		Roundleaf snowberry	3
		Brewer's angelica	2
		Waxy checkerbloom	2
		Prairie flax	1
		Spreading phlox	1
		Squirreltail	1
		Aster	<1
		Needlegrass	<1
9166:			
Sky.			

Table 14.--Canopy Cover--Continued

Map symbol and component name	Ecological site	Characteristic vegetation	Canopy cover
			Pct
9166:			
Melody----------	Cryic Volcanic Slope (R022AE219CA)	Mountain big sagebrush	25
		Antelope bitterbrush	13
		Woolly mule-ears	8
		Snowbrush ceanothus	5
		Sulfur flower buckwheat	5
		California red fir	4
		Lupine	4
		Longspur lupine	3
		Mountain monardella	3
		Pinemat manzanita	3
		Roundleaf snowberry	3
		Brewer's angelica	2
		Waxy checkerbloom	2
		Prairie flax	1
		Spreading phlox	1
		Squirreltail	1
		Aster	<1
		Needlegrass	<1
9171:			
Mountrose--------	Deep Cryic Volcanic Slope (R022AE215CA)	Woolly mule-ears	30
		California red fir	8
		Western white pine	5
		Lupine	3
		Sulfur flower buckwheat	3
		Mountain big sagebrush	2
		Mountain monardella	2
		Whitebark pine	2
		Jeffrey pine	1
		Needlegrass	1
		Spreading phlox	1
		Bottlebrush squirreltail	<1
Wardcreek--------	Cryic Volcanic Slope (R022AE219CA)	Mountain big sagebrush	25
		Antelope bitterbrush	13
		Woolly mule-ears	8
		Snowbrush ceanothus	5
		Sulfur flower buckwheat	5
		California red fir	4
		Lupine	4
		Longspur lupine	3
		Mountain monardella	3
		Pinemat manzanita	3
		Roundleaf snowberry	3
		Brewer's angelica	2
		Waxy checkerbloom	2
		Prairie flax	1
		Spreading phlox	1
		Squirreltail	1
		Aster	<1
		Needlegrass	<1

Table 14.--Canopy Cover--Continued

Map symbol and component name	Ecological site	Characteristic vegetation	Canopy cover
			Pct
9171:			
Melody----------	Cryic Volcanic Slope (R022AE219CA)	Mountain big sagebrush	25
		Antelope bitterbrush	13
		Woolly mule-ears	8
		Snowbrush ceanothus	5
		Sulfur flower buckwheat	5
		California red fir	4
		Lupine	4
		Longspur lupine	3
		Mountain monardella	3
		Pinemat manzanita	3
		Roundleaf snowberry	3
		Brewer's angelica	2
		Waxy checkerbloom	2
		Prairie flax	1
		Spreading phlox	1
		Squirreltail	1
		Aster	<1
		Needlegrass	<1
9411:			
Freelpeak-------	Alpine Ridge (R022AY032NV)	Lake Tahoe draba	1
		Sierra podistera	1
		Bluegrass	1
		Comb draba	1
		Cushion phlox	1
		Dwarf alpine Indian paintbrush	1
		Needlegrass	1
		Rosy buckwheat	1
		Squirreltail	1
Windyridge------	Alpine Ridge (R022AY032NV)	Misc. perennial forbs	10
		Bluegrass	2
		Needlegrass	2
		Misc. shrubs	1
Rock outcrop.			
9451:			
Waterpeak-------	South Slope 30+ p.z. (R022AY021NV)	Mountain brome	15
		Western needlegrass	15
		Mountain big sagebrush	10
		Antelope bitterbrush	5
		Misc. perennial forbs	5
Rock outcrop.			

Table 15a.--Recreational Development

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. The rating is based on the limitation with the highest value. Only the three highest value limitations are listed. There may be more limitations. Fine-earth fractions and coarse fragments are reported on a weight basis. An explanation of the rating criteria and of the abbreviations used in describing the limitations is given at the end of the table)

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7011:							
Beaches	64	Not rated		Not rated		Not rated	
Oxyaquic Xeropsamments	10	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Fragments (<3") 25-50%	0.84	Fragments (<3") 25-50%	0.84	Surface fragments (<3") >25%	1.00
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30
Watah	7	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Flooding > occasional	1.00
		Ponding (any duration)	1.00	Frequent flooding	0.50	Ponding (any duration)	1.00
Gefo, barrier beach	6	Limitations		Limitations		Limitations	
		Fragments (<3") 25-50%	0.84	Fragments (<3") 25-50%	0.84	Surface fragments (<3") >25%	1.00
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30
						Slopes 2 to 6%	0.26
Marla	5	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
Cagwin	1	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Cassenai gravelly loamy coarse sand	1	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7011:							
Dunes	1	Not rated		Not rated		Not rated	
Jorge very gravelly sandy loam	1	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments >10" >3%	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe silt loam	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Permeability .06-.6"/hr	0.60	Permeability .06-.6"/hr	0.60
Tahoma	1	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments >10" .1 to 3%	0.76
Toem	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
7021:							
Hellhole	80	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00
Bidart, wet	10	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Flooding > occasional	1.00
		Ponding (any duration)	1.00	Frequent flooding	0.50	Ponding (any duration)	1.00
Watah	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Flooding > occasional	1.00
		Ponding (any duration)	1.00	Frequent flooding	0.50	Ponding (any duration)	1.00
Water	5	Not rated		Not rated		Not rated	

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7031:							
Pits	45	Not rated		Not rated		Not rated	
Dumps	45	Not rated		Not rated		Not rated	
Arents	5	Not rated		Not rated		Not rated	
Xerorthents	5	Not rated		Not rated		Not rated	
7041:							
Tahoe silt loam	55	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Permeability .06-.6"/hr	0.60	Permeability .06-.6"/hr	0.60
Tahoe silt loam, wet	25	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Flooding > occasional	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
Marla	10	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
Tahoe, gravelly	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
Watah	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Flooding > occasional	1.00
		Ponding (any duration)	1.00	Frequent flooding	0.50	Ponding (any duration)	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7042:							
Tahoe, gravelly---	55	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
Tahoe, gravelly, wet---	25	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Flooding > occasional	1.00
Marla---	5	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
Riverwash---	5	Not rated		Not rated		Not rated	
Tahoe silt loam---	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Permeability .06-.6"/hr	0.60	Permeability .06-.6"/hr	0.60
Watah---	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Flooding > occasional	1.00
		Ponding (any duration)	1.00	Frequent flooding	0.50	Ponding (any duration)	1.00
7043:							
Tahoe, drained---	80	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00
		Organic surface layer >= 4" thick	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
Marla---	5	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7043:							
Tahoe, gravelly---------	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
Tahoe silt loam, wet----	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Flooding > occasional	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
Watah--------------------	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Flooding > occasional	1.00
		Ponding (any duration)	1.00	Frequent flooding	0.50	Ponding (any duration)	1.00
7051:							
Oxyaquic Xerorthents----	60	Limitations		Limitations		Limitations	
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
						Slopes 2 to 6%	0.26
Water--------------------	38	Not rated		Not rated		Not rated	
Marla--------------------	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
Watah--------------------	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Flooding > occasional	1.00
		Ponding (any duration)	1.00	Frequent flooding	0.50	Ponding (any duration)	1.00
7061:							
Urban land---------------	100	Not rated		Not rated		Not rated	

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7071:							
Watah	75	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Flooding > occasional	1.00
		Ponding (any duration)	1.00	Frequent flooding	0.50	Ponding (any duration)	1.00
Tahoe, gravelly, wet	9	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Flooding > occasional	1.00
Tahoe silt loam, wet	8	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Flooding > occasional	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
Marla	3	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
Bidart, wet	2	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Flooding > occasional	1.00
		Ponding (any duration)	1.00	Frequent flooding	0.50	Ponding (any duration)	1.00
Water	2	Not rated		Not rated		Not rated	
Hellhole	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00
7101:							
Caverock	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7101:							
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Deerhill	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19
Genoapeak	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Southcamp	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Zephyrcove	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
7111:							
Deerhill	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cagwin	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Shakespeare	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Permeability .06-.6"/hr	0.50	Permeability .06-.6"/hr	0.50	Permeability .06-.6"/hr	0.50

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7111:							
Southcamp	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Zephyrcove	3	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments >10" >3%	1.00
Genoapeak	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
7112:							
Deerhill	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cagwin	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Shakespeare	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Permeability .06-.6"/hr	0.50	Permeability .06-.6"/hr	0.50	Permeability .06-.6"/hr	0.50
		Fragments >10" .1 to 3%	0.47	Fragments >10" .1 to 3%	0.47	Fragments >10" .1 to 3%	0.47
Southcamp	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Zephyrcove	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Genoapeak	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7112:							
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
7121:							
Ellispeak---------------	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00
Rock outcrop, volcanic--	40	Not rated		Not rated		Not rated	
Waca--------------------	10	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
Kneeridge, well drained	2	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" .1 to 3%	0.76
Paige-------------------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
Tahoe, gravelly---------	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
7122:							
Ellispeak---------------	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00
Rock outcrop, volcanic--	40	Not rated		Not rated		Not rated	

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7122:							
Waca	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
Kneeridge, well drained	3	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" .1 to 3%	0.76
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Paige	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
7123:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00
Rock outcrop, volcanic	40	Not rated		Not rated		Not rated	
Waca	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
Kneeridge, well drained	3	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" .1 to 3%	0.76
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7123:							
Paige	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
7131:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00
Waca	40	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
7132:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00
Waca	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7132:							
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
7133:							
Ellispeak---------------	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00
Waca--------------------	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
Rock outcrop------------	10	Not rated		Not rated		Not rated	
Windy-------------------	4	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
7141:							
Inville-----------------	80	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.98
Christopher loamy coarse sand------------	10	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.74
Cassenai gravelly loamy coarse sand------------	4	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7141:							
Jorge very gravelly sandy loam	3	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments >10" >3%	1.00
Kingsbeach	2	Limitations		Limitations		Limitations	
		Permeability .06-.6"/hr	0.50	Permeability .06-.6"/hr	0.50	Slopes 2 to 6%	0.98
						Permeability .06-.6"/hr	0.50
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
7142:							
Inville	80	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63	Slopes > 6%	1.00
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" >3%	1.00
Christopher gravelly loamy coarse sand	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Jorge very gravelly sandy loam	3	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments >10" >3%	1.00
Meeks, extremely bouldery	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7143:							
Inville	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Christopher gravelly loamy coarse sand	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Jorge very gravelly sandy loam	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Meeks, extremely bouldery	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
7151:							
Jorge very cobbly fine sandy loam	80	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" >3%	1.00
Tahoma	5	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments >10" .1 to 3%	0.76
Waca	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7151:							
Jorge very cobbly loam--	4	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Slopes > 6%	1.00
Ellispeak----------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00
Sky----------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Rock outcrop----------	1	Not rated		Not rated		Not rated	
7152:							
Jorge very cobbly fine sandy loam----------	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Tahoma----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Waca----------	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
Jorge very cobbly loam--	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7152:							
Ellispeak	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00
Sky	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Rock outcrop	1	Not rated		Not rated		Not rated	
7153:							
Jorge very cobbly fine sandy loam	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Tahoma	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Waca	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
Jorge very cobbly loam	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Ellispeak	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7153:							
Sky	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Rock outcrop	1	Not rated		Not rated		Not rated	
7154:							
Jorge very cobbly loam	75	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Slopes > 6%	1.00
Rubble land	10	Not rated		Not rated		Not rated	
Tahoma	5	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments >10" .1 to 3%	0.76
Ellispeak	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Waca	3	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7155:							
Jorge very cobbly loam--	75	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Rubble land----------	10	Not rated		Not rated		Not rated	
Tahoma----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Ellispeak----------	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00
Rock outcrop----------	3	Not rated		Not rated		Not rated	
Waca----------	3	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
Tahoe, gravelly---------	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
7156:							
Jorge very gravelly sandy loam----------	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Tahoma----------	35	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Waca----------	10	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7156:							
Inville	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
7157:							
Jorge very gravelly sandy loam	55	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Tahoma	25	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Waca	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
Inville	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7157:							
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
7161:							
Kingsbeach	80	Limitations		Limitations		Limitations	
		Permeability .06-.6"/hr	0.50	Permeability .06-.6"/hr	0.50	Slopes 2 to 6%	0.98
						Permeability .06-.6"/hr	0.50
Tahoma	10	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments >10" .1 to 3%	0.76
Jorge very gravelly sandy loam	8	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments >10" >3%	1.00
Beaches	1	Not rated		Not rated		Not rated	
Dunes	1	Not rated		Not rated		Not rated	
7171:							
Kneeridge, extremely stony	80	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
						Slopes 2 to 6%	0.74
Jorge very gravelly sandy loam	9	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments >10" >3%	1.00
Paige	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7171:							
Waca	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
7172:							
Kneeridge, well drained	80	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" .1 to 3%	0.76
Jorge very gravelly sandy loam	9	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments >10" >3%	1.00
Paige	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Waca	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
7173:							
Kneeridge, very stony	80	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Slopes 2 to 6%	0.26
						Fragments >10" .1 to 3%	0.19

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7173:							
Jorge very gravelly sandy loam	9	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments >10" >3%	1.00
Paige	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Waca	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
7174:							
Kneeridge, very stony	80	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" .1 to 3%	0.19
Jorge very gravelly sandy loam	9	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments >10" >3%	1.00
Paige	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Waca	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7181:							
Paige	80	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Kneeridge, well drained	7	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" .1 to 3%	0.76
Jorge very gravelly sandy loam	6	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments >10" >3%	1.00
Tahoe, gravelly	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
Waca	2	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
7182:							
Paige	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
Jorge very gravelly sandy loam	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Tahoma	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Waca	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7182:							
Kneeridge, well drained	4	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" .1 to 3%	0.76
Tahoe, gravelly---------	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
7183:							
Paige-------------------	84	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
Jorge very gravelly sandy loam----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Tahoma------------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Waca--------------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
Tahoe, gravelly---------	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
7191:							
Rock outcrop, volcanic--	90	Not rated		Not rated		Not rated	
Glenalpine--------------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Fragments >3" 25 to 75%	0.12	Fragments >3" 25 to 75%	0.12	Fragments > 3" > 30%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7191:							
Lithnip	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Meiss	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Very dusty	1.00	Surface fragments (<3") >25%	1.00
Melody	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Bedrock depth < 20"	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Rubble land	2	Not rated		Not rated		Not rated	
7201:							
Rubble land, talus	45	Not rated		Not rated		Not rated	
Glenalpine	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Fragments >3" 25 to 75%	0.12	Fragments >3" 25 to 75%	0.12	Fragments > 3" > 30%	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Rockbound very stony loam	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Bedrock depth < 20"	1.00
7211:							
Southcamp	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7211:							
Genoapeak	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Zephyrcove	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cagwin	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Deerhill	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
7221:							
Tahoma	80	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments >10" .1 to 3%	0.76
Waca	10	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
Inville	4	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63	Slopes > 6%	1.00
Rubble land	3	Not rated		Not rated		Not rated	
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7221:							
Ellispeak	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
7222:							
Tahoma	50	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments >10" .1 to 3%	0.76
Jorge very gravelly sandy loam	30	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments >10" >3%	1.00
Waca	10	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
Inville	5	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63	Slopes > 6%	1.00
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7231:							
Waca	80	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
Ellispeak	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
Kneeridge, well drained	2	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" .1 to 3%	0.76
Paige	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
7232:							
Waca	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
Ellispeak	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00
Rock outcrop	5	Not rated		Not rated		Not rated	

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7232:							
Windy	4	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
Kneeridge, well drained	2	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" .1 to 3%	0.76
Paige	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Typic Epiaquents	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
7233:							
Waca	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
Ellispeak	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7233:							
Kneeridge, well drained	2	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" .1 to 3%	0.76
Paige	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
7241:							
Zephyrcove	50	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments >10" >3%	1.00
Southcamp	20	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Genoapeak	17	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Deerhill	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7242:							
Zephyrcove	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Southcamp	20	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Genoapeak	17	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Deerhill	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
7401:							
Burnlake	60	Limitations		Limitations		Limitations	
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00		
						Fragments >10" >3%	1.00
Roadcat	25	Limitations		Limitations		Limitations	
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7401:							
Hardtil	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
		Surface sand fractions 70-90% by wt.	0.82	Surface sand fractions 70-90% by wt.	0.82	Bedrock depth < 20"	1.00
Aquic Haplocryolls	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.26	Fragments >3" 25 to 75%	0.26	Slopes > 6%	1.00
		Fragments (<3") 25-50%	0.08	Fragments (<3") 25-50%	0.08	Surface fragments (<3") >25%	1.00
Aspetill	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") 25-50%	0.82	Fragments (<3") 25-50%	0.82	Surface fragments (<3") >25%	1.00
						Fragments >3" 5 to 30%	0.32
Cumulic Cryaquolls	2	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Slopes > 6%	1.00
		Flooding >= rare	1.00	Slopes > 15%	1.00	Saturation < 18" depth	1.00
		Slopes > 15%	1.00	Fragments >3" 25 to 75%	0.26	Fragments > 3" > 30%	1.00
Stumpatil	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") 25-50%	0.97	Fragments (<3") 25-50%	0.97	Surface fragments (<3") >25%	1.00
						Fragments >3" 5 to 30%	0.32
Typic Haploxerepts	2	Limitations		Limitations		Limitations	
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions 70-90% by wt.	0.74	Surface sand fractions 70-90% by wt.	0.74	Surface sand fractions 70-90% by wt.	0.74
Rock outcrop	1	Not rated		Not rated		Not rated	
7411:							
Cagwin	50	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7411:							
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" >3%	1.00
Toem	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Temo	2	Limitations		Limitations		Limitations	
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
Witefels	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" >3%	1.00
Marla	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
7412:							
Cagwin	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7412:							
Toem	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Temo	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
Witefels	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Marla	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
7413:							
Cagwin	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Toem	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7413:							
Dagget very gravelly loamy coarse sand------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Temo----------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
Witefels----------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Marla----------	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
7414:							
Cagwin----------	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Rock outcrop, granitic--	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand----------	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Toem----------	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Dagget very gravelly loamy coarse sand------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7414:							
Temo	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
Witefels	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Marla	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
7421:							
Cassenai gravelly loamy coarse sand	78	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" >3%	1.00
Cagwin	12	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Toem	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Christopher loamy coarse sand	1	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.26
Christopher gravelly loamy coarse sand	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7421:							
Marla	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
7422:							
Cassenai gravelly loamy coarse sand	73	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cagwin	12	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Toem	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Aquic Xerorthents	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Christopher gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Rock outcrop	2	Not rated		Not rated		Not rated	
7423:							
Cassenai gravelly loamy coarse sand	78	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7423:							
Cagwin	12	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Toem	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Christopher gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
7424:							
Cassenai gravelly loamy coarse sand	78	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cagwin	12	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Toem	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Rock outcrop	4	Not rated		Not rated		Not rated	
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7425:							
Cassenai, moist	80	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" .1 to 3%	0.76
Cagwin	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Meeks, extremely bouldery	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Tallac, very stony	5	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
						Fragments >10" .1 to 3%	0.76
Rock outcrop	2	Not rated		Not rated		Not rated	
Toem	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Marla	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
7426:							
Cassenai, moist	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Tallac, very stony	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7426:							
Meeks, extremely bouldery	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Rock outcrop	2	Not rated		Not rated		Not rated	
Toem	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Marla	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
7427:							
Cassenai, moist	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Meeks, extremely bouldery	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Toem	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Rock outcrop	2	Not rated		Not rated		Not rated	

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7427:							
Tallac, very stony------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
7428:							
Cassenai, moist---------	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Cagwin------------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Meeks, extremely bouldery----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Toem--------------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Rock outcrop------------	2	Not rated		Not rated		Not rated	
Tallac, very stony------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7431:							
Celio	80	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Surface sand fractions 70-90% by wt.	0.91	Surface sand fractions 70-90% by wt.	0.91
		Surface sand fractions 70-90% by wt.	0.91	Saturation from 12 to 30" depth	0.48	Saturation from 18 to 30" depth	0.81
Meeks, stony	7	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.50
Tahoe, gravelly	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
Marla	4	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
Watah	4	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Flooding > occasional	1.00
		Ponding (any duration)	1.00	Frequent flooding	0.50	Ponding (any duration)	1.00
7441:							
Christopher loamy coarse sand	80	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.74
Gefo gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Fragments (<3") 25-50%	0.84	Fragments (<3") 25-50%	0.84	Surface fragments (<3") >25%	1.00
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30
						Slopes 2 to 6%	0.26
Jabu	5	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.74

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7441:							
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
						Depth to cemented pan	1.00
						Slopes 2 to 6%	0.26
Marla	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
7442:							
Christopher loamy coarse sand	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Gefo gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Fragments (<3") 25-50%	0.84	Fragments (<3") 25-50%	0.84	Slopes > 6%	1.00
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	Surface fragments (<3") >25%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Surface sand fractions 70-90% by wt.	0.30
Jabu	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Depth to cemented pan	1.00
						Slopes > 6%	1.00
Marla	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
7443:							
Christopher gravelly loamy coarse sand	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7443:							
Gefo gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Fragments (<3") 25-50%	0.84	Fragments (<3") 25-50%	0.84	Slopes > 6%	1.00
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	Surface fragments (<3") >25%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Surface sand fractions 70-90% by wt.	0.30
Jabu	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Depth to cemented pan	1.00
						Slopes > 6%	1.00
Marla	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
7444:							
Christopher loamy coarse sand	45	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.26
Gefo gravelly loamy coarse sand	35	Limitations		Limitations		Limitations	
		Fragments (<3") 25-50%	0.84	Fragments (<3") 25-50%	0.84	Surface fragments (<3") >25%	1.00
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30
						Slopes 2 to 6%	0.26
Jabu	5	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.74
Marla	5	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7444:							
Oneidas	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
						Depth to cemented pan	1.00
						Slopes 2 to 6%	0.26
Ubaj	5	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.98
7451:							
Gefo gravelly loamy coarse sand	80	Limitations		Limitations		Limitations	
		Fragments (<3") 25-50%	0.84	Fragments (<3") 25-50%	0.84	Surface fragments (<3") >25%	1.00
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30
						Slopes 2 to 6%	0.26
Christopher loamy coarse sand	10	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.74
Jabu	5	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.74
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
						Depth to cemented pan	1.00
						Slopes 2 to 6%	0.26
Marla	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
7452:							
Gefo gravelly loamy coarse sand	80	Limitations		Limitations		Limitations	
		Fragments (<3") 25-50%	0.84	Fragments (<3") 25-50%	0.84	Slopes > 6%	1.00
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	Surface fragments (<3") >25%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Surface sand fractions 70-90% by wt.	0.30

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7452:							
Christopher loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Jabu	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Depth to cemented pan	1.00
						Slopes > 6%	1.00
Marla	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
7461:							
Jabu	80	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.74
Christopher loamy coarse sand	10	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.74
Oneidas	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
						Depth to cemented pan	1.00
						Slopes 2 to 6%	0.26
Gefo gravelly loamy coarse sand	3	Limitations		Limitations		Limitations	
		Fragments (<3") 25-50%	0.84	Fragments (<3") 25-50%	0.84	Surface fragments (<3") >25%	1.00
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30
						Slopes 2 to 6%	0.26
Marla	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7462:							
Jabu	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Christopher loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Oneidas	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Depth to cemented pan	1.00
						Slopes > 6%	1.00
Gefo gravelly loamy coarse sand	3	Limitations		Limitations		Limitations	
		Fragments (<3") 25-50%	0.84	Fragments (<3") 25-50%	0.84	Slopes > 6%	1.00
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	Surface fragments (<3") >25%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Surface sand fractions 70-90% by wt.	0.30
Marla	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
7471:							
Marla	80	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
Christopher loamy coarse sand	4	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.26
Gefo gravelly loamy coarse sand	4	Limitations		Limitations		Limitations	
		Fragments (<3") 25-50%	0.84	Fragments (<3") 25-50%	0.84	Surface fragments (<3") >25%	1.00
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30
						Slopes 2 to 6%	0.26

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7471:							
Tahoe silt loam---	4	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Permeability .06-.6"/hr	0.60	Permeability .06-.6"/hr	0.60
Ubaj---	4	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.98
Watah---	4	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Flooding > occasional	1.00
		Ponding (any duration)	1.00	Frequent flooding	0.50	Ponding (any duration)	1.00
7481:							
Meeks, stony---	85	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.50
Cassenai gravelly loamy coarse sand---	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" >3%	1.00
Celio---	5	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Surface sand fractions 70-90% by wt.	0.91	Surface sand fractions 70-90% by wt.	0.91
		Surface sand fractions 70-90% by wt.	0.91	Saturation from 12 to 30" depth	0.48	Saturation from 18 to 30" depth	0.81
Gefo gravelly loamy coarse sand---	4	Limitations		Limitations		Limitations	
		Fragments (<3") 25-50%	0.84	Fragments (<3") 25-50%	0.84	Surface fragments (<3") >25%	1.00
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30
						Slopes 2 to 6%	0.26
Tahoe, gravelly---	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7482:							
Meeks, stony	80	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" >3%	1.00
Oneidas	7	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Depth to cemented pan	1.00
						Slopes > 6%	1.00
Celio	3	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Surface sand fractions 70-90% by wt.	0.91	Surface sand fractions 70-90% by wt.	0.91
		Surface sand fractions 70-90% by wt.	0.91	Saturation from 12 to 30" depth	0.48	Saturation from 18 to 30" depth	0.81
7483:							
Meeks, very stony	85	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.94	Fragments >10" .1 to 3%	0.94	Fragments >10" .1 to 3%	0.94
						Slopes 2 to 6%	0.50
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" >3%	1.00
Celio	5	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Surface sand fractions 70-90% by wt.	0.91	Surface sand fractions 70-90% by wt.	0.91
		Surface sand fractions 70-90% by wt.	0.91	Saturation from 12 to 30" depth	0.48	Saturation from 18 to 30" depth	0.81
Jabu	5	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.74

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7484:							
Meeks, extremely bouldery	80	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Burnlake	5	Limitations		Limitations		Limitations	
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00		
						Fragments >10" >3%	1.00
Meeks, rubbly	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Dagget, moist	3	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Tallac, very stony	3	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
						Fragments >10" .1 to 3%	0.76
Roadcat	2	Limitations		Limitations		Limitations	
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments >10" >3%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Jabu	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7485:							
Meeks, extremely bouldery	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Burnlake	5	Limitations		Limitations		Limitations	
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00		
						Fragments >10" >3%	1.00
Meeks, rubbly	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Dagget, moist	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Tallac, very stony	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Roadcat	2	Limitations		Limitations		Limitations	
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00		
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
						Fragments >10" >3%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Jabu	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
7486:							
Meeks, extremely bouldery	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7486:							
Burnlake	5	Limitations		Limitations		Limitations	
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments >10" >3%	1.00
Meeks, rubbly	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Dagget, moist	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Tallac, very stony	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Roadcat	2	Limitations		Limitations		Limitations	
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments >10" >3%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Jabu	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
7487:							
Meeks, rubbly	80	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Burnlake	5	Limitations		Limitations		Limitations	
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7487:							
Rockbound very gravelly loam	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00		
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
						Fragments >10" >3%	1.00
Roadcat	3	Limitations		Limitations		Limitations	
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00		
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
						Fragments >10" >3%	1.00
Cagwin	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Cassenai gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" >3%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
7488:							
Meeks, rubbly	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Burnlake	5	Limitations		Limitations		Limitations	
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00		
						Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7488:							
Rockbound very gravelly loam	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00		
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
						Fragments >10" >3%	1.00
Roadcat	3	Limitations		Limitations		Limitations	
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00		
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
						Fragments >10" >3%	1.00
Cagwin	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cassenai gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
7489:							
Meeks, rubbly	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Burnlake	5	Limitations		Limitations		Limitations	
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00		
						Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7489:							
Rockbound very stony loam	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00		
						Bedrock depth < 20"	1.00
Roadcat	3	Limitations		Limitations		Limitations	
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00		
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
						Fragments >10" >3%	1.00
Cassenai gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Cagwin	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
Toem	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
7491:							
Oneidas	80	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
						Depth to cemented pan	1.00
						Slopes 2 to 6%	0.26
Jabu	10	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.74

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7491:							
Christopher loamy coarse sand	3	No limitations		No limitations		Limitations Slopes 2 to 6%	0.26
Meeks, stony	3	No limitations		No limitations		Limitations Slopes 2 to 6%	0.50
Gefo gravelly loamy coarse sand	2	Limitations Fragments (<3") 25-50% Surface sand fractions 70-90% by wt.	0.84 0.30	Limitations Fragments (<3") 25-50% Surface sand fractions 70-90% by wt.	0.84 0.30	Limitations Surface fragments (<3") >25% Surface sand fractions 70-90% by wt. Slopes 2 to 6%	1.00 0.30 0.26
Marla	2	Limitations Flooding >= rare Ponding (any duration) Saturation from 18 to 30" depth	1.00 1.00 0.90	Limitations Ponding (any duration) Saturation from 12 to 30" depth	1.00 0.60	Limitations Ponding (any duration) Saturation from 18 to 30" depth Slopes 2 to 6%	1.00 0.90 0.26
7492:							
Oneidas	80	Limitations Saturation < 18" depth Slopes 8 to 15%	1.00 0.16	Limitations Saturation < 12" depth Slopes 8 to 15%	1.00 0.16	Limitations Saturation < 18" depth Depth to cemented pan Slopes > 6%	1.00 1.00 1.00
Jabu	10	Limitations Slopes > 15%	1.00	Limitations Slopes > 15%	1.00	Limitations Slopes > 6%	1.00
Christopher loamy coarse sand	3	Limitations Slopes > 15%	1.00	Limitations Slopes > 15%	1.00	Limitations Slopes > 6%	1.00
Meeks, stony	3	Limitations Slopes 8 to 15%	0.16	Limitations Slopes 8 to 15%	0.16	Limitations Slopes > 6%	1.00
Gefo gravelly loamy coarse sand	2	Limitations Fragments (<3") 25-50% Surface sand fractions 70-90% by wt. Slopes 8 to 15%	0.84 0.30 0.16	Limitations Fragments (<3") 25-50% Surface sand fractions 70-90% by wt. Slopes 8 to 15%	0.84 0.30 0.16	Limitations Slopes > 6% Surface fragments (<3") >25% Surface sand fractions 70-90% by wt.	1.00 1.00 0.30

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7492:							
Marla	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
7500:							
Rock outcrop, granitic	90	Not rated		Not rated		Not rated	
Rockbound very stony loam	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Bedrock depth < 20"	1.00
Rubble land	2	Not rated		Not rated		Not rated	
Toem	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Windyridge	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Bedrock depth < 20"	1.00
Freelpeak	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Fragments >10" >3%	1.00
Jobsis	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
7501:							
Rock outcrop, granitic	50	Not rated		Not rated		Not rated	

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7501:							
Rockbound very gravelly loam	30	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00		
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
						Fragments >10" >3%	1.00
Dagget, moist	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Meeks, rubbly	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Temo	5	Limitations		Limitations		Limitations	
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
Witefels	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" >3%	1.00
7502:							
Rock outcrop, granitic	50	Not rated		Not rated		Not rated	
Rockbound very stony loam	25	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00		
						Bedrock depth < 20"	1.00
Dagget, moist	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Glenalpine	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Fragments >3" 25 to 75%	0.12	Fragments >3" 25 to 75%	0.12	Fragments > 3" > 30%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7502:							
Rubble land	5	Not rated		Not rated		Not rated	
Temo	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
Witefels	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
7511:							
Shalgran	70	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Rock outcrop	15	Not rated		Not rated		Not rated	
Sofgran	6	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions 70-90% by wt.	0.74	Surface sand fractions 70-90% by wt.	0.74	Surface fragments (<3") >25%	1.00
		Fragments (<3") 25-50%	0.33	Fragments (<3") 25-50%	0.33	Surface sand fractions 70-90% by wt.	0.74
Dystric Xerorthents	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Fragments >3" 25 to 75%	0.35	Fragments >3" 25 to 75%	0.35	Fragments > 3" > 30%	1.00
Burnlake	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
						Fragments >3" 5 to 30%	0.68

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7511:							
Jobsis	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") 25-50%	0.74	Fragments (<3") 25-50%	0.74	Surface fragments (<3") >25%	1.00
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70
Temo	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") 25-50%	0.92	Fragments (<3") 25-50%	0.92	Bedrock depth < 20"	1.00
7521:							
Tallac, very stony	75	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
						Fragments >10" .1 to 3%	0.76
Tallac, rubbly	10	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
						Slopes 2 to 6%	0.98
Tallac, moderately well drained	9	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.26
Meeks, extremely bouldery	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
7522:							
Tallac, very stony	85	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7522:							
Meeks, extremely bouldery	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Cagwin	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cassenai gravelly loamy coarse sand	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Dagget, moist	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Rockbound very gravelly loam	1	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Bedrock depth < 20"	1.00
		Bedrock depth < 20"	1.00			Fragments >10" >3%	1.00
7523:							
Tallac, very stony	85	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Meeks, extremely bouldery	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7523:							
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Cagwin	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cassenai gravelly loamy coarse sand	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Dagget, moist	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Rockbound very stony loam	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Bedrock depth < 20"	1.00
7524:							
Tallac, moderately well drained	80	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.26
Tallac, moderately well drained, 5 to 9 percent slopes	10	No limitations		No limitations		Limitations	
						Slopes > 6%	1.00
Meeks, very stony	5	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.94	Fragments >10" .1 to 3%	0.94	Fragments >10" .1 to 3%	0.94
						Slopes 2 to 6%	0.50
Callat	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.06	Fragments >10" .1 to 3%	0.06	Fragments >10" .1 to 3%	0.06

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7524:							
Tahoe, gravelly---------	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
7525:							
Tallac, moderately well drained----------	80	No limitations		No limitations		Limitations	
						Slopes > 6%	1.00
Tallac, moderately well drained, 0 to 5 percent slopes----------	10	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.26
Meeks, extremely bouldery----------	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Callat----------	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.06	Fragments >10" .1 to 3%	0.06	Fragments >10" .1 to 3%	0.06
Tahoe, gravelly---------	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
7526:							
Tallac, rubbly----------	85	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
						Slopes 2 to 6%	0.98
Tallac, moderately well drained----------	10	No limitations		No limitations		Limitations	
						Slopes > 6%	1.00
Tallac, very stony------	4	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
						Fragments >10" .1 to 3%	0.76

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7526:							
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
7531:							
Toem--------------------	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Rock outcrop, granitic--	40	Not rated		Not rated		Not rated	
Cagwin------------------	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cassenai gravelly loamy coarse sand------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
7532:							
Toem--------------------	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Rock outcrop, granitic--	40	Not rated		Not rated		Not rated	
Cagwin------------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cassenai gravelly loamy coarse sand------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Dagget very gravelly loamy coarse sand------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
7533:							
Toem	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Rock outcrop, granitic	40	Not rated		Not rated		Not rated	
Cagwin	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
7541:							
Ubaj	80	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.98
Christopher loamy coarse sand	5	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.74
Jabu	5	No limitations		No limitations		Limitations	
						Slopes 2 to 6%	0.74
Oneidas	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
						Depth to cemented pan	1.00
						Slopes 2 to 6%	0.26
Gefo gravelly loamy coarse sand	3	Limitations		Limitations		Limitations	
		Fragments (<3") 25-50%	0.84	Fragments (<3") 25-50%	0.84	Surface fragments (<3") >25%	1.00
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30
						Slopes 2 to 6%	0.26
Marla	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9001:							
Bidart mucky silt loam--	50	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00			Occasional flooding	0.50
Bidart, wet----------	30	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Flooding > occasional	1.00
		Ponding (any duration)	1.00	Frequent flooding	0.50	Ponding (any duration)	1.00
Tahoe, gravelly---------	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
Tahoe silt loam---------	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Permeability .06-.6"/hr	0.60	Permeability .06-.6"/hr	0.60
Watah--------------------	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Flooding > occasional	1.00
		Ponding (any duration)	1.00	Frequent flooding	0.50	Ponding (any duration)	1.00
Water--------------------	3	Not rated		Not rated		Not rated	
Hellhole-----------------	2	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00
9011:							
Oxyaquic Cryorthents----	30	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9011:							
Aquic Xerorthents-------	28	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Tahoe, gravelly---------	15	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Surface fragments (<3") >25%	1.00
		Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
Bidart mucky silt loam--	10	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00			Occasional flooding	0.50
Watah-------------------	10	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Flooding > occasional	1.00
		Ponding (any duration)	1.00	Frequent flooding	0.50	Ponding (any duration)	1.00
Marla-------------------	5	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation from 12 to 30" depth	0.60	Saturation from 18 to 30" depth	0.90
		Saturation from 18 to 30" depth	0.90			Slopes 2 to 6%	0.26
Riverwash---------------	2	Not rated		Not rated		Not rated	
9101:							
Callat------------------	82	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.06	Fragments >10" .1 to 3%	0.06	Fragments >10" .1 to 3%	0.06
Glenalpine--------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Fragments >3" 25 to 75%	0.12	Fragments >3" 25 to 75%	0.12	Fragments > 3" > 30%	1.00
Meeks, extremely bouldery----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9101:							
Tallac, very stony------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Rock outcrop------------	2	Not rated		Not rated		Not rated	
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
9102:							
Callat------------------	82	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.47	Fragments >10" .1 to 3%	0.47	Fragments >10" .1 to 3%	0.47
Glenalpine--------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Fragments >3" 25 to 75%	0.12	Fragments >3" 25 to 75%	0.12	Fragments > 3" > 30%	1.00
Meeks, extremely bouldery----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Tallac, very stony------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Rock outcrop------------	2	Not rated		Not rated		Not rated	
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9111:							
Florand	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	0.99	Fragments (<3") > 50%	0.99	Surface fragments (<3") >25%	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Fragments >3" 5 to 30%	0.32
Lostridge	30	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
						Fragments >3" 5 to 30%	0.08
Fishsnooze	15	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	0.99	Fragments (<3") > 50%	0.99	Surface fragments (<3") >25%	1.00
						Bedrock 20-40" and slope > 2%	0.50
Aquic Haplocryolls	3	Limitations		Limitations		Limitations	
		Fragments >3" 25 to 75%	0.26	Fragments >3" 25 to 75%	0.26	Fragments > 3" > 30%	1.00
		Fragments (<3") 25-50%	0.08	Fragments (<3") 25-50%	0.08	Slopes > 6%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Surface fragments (<3") >25%	1.00
Lithnip, moist	3	Limitations		Limitations		Limitations	
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock depth < 20"	1.00
Stumpatil	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") 25-50%	0.97	Fragments (<3") 25-50%	0.97	Surface fragments (<3") >25%	1.00
						Fragments >3" 5 to 30%	0.32
Lithnip	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9111:							
Morscour	2	Limitations		Limitations		Limitations	
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00		
						Bedrock depth < 20"	1.00
Typic Cryaquolls	2	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") > 50%	1.00	Slopes > 15%	1.00		
						Slopes > 6%	1.00
9121:							
Watsonlake	80	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Jorge very cobbly fine sandy loam	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" >3%	1.00
Sky	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Tahoma	5	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments >10" .1 to 3%	0.76
Waca	2	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
Ellispeak	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9121:							
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Rock outcrop----------	1	Not rated		Not rated		Not rated	
9122:							
Watsonlake----------	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Jorge very cobbly fine sandy loam----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Tahoma----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Waca----------	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Very dusty	1.00
Sky----------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Ellispeak----------	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Rock outcrop----------	1	Not rated		Not rated		Not rated	

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9123:							
Watsonlake	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Jorge very cobbly fine sandy loam	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Tahoma	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Waca	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Very dusty	1.00
Sky	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Ellispeak	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Surface fragments (<3") >25%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Rock outcrop	1	Not rated		Not rated		Not rated	
9131:							
Lithnip	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9131:							
Meiss	30	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Very dusty	1.00	Surface fragments (<3") >25%	1.00
Hawkinspeak	15	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Fragments (<3") 25-50%	0.59	Fragments (<3") 25-50%	0.59	Surface fragments (<3") >25%	1.00
Lostridge	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
						Fragments >3" 5 to 30%	0.08
Fishsnooze	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
						Bedrock 20-40" and slope > 2%	0.50
Rock outcrop	3	Not rated		Not rated		Not rated	
Hawkinspeak, moist	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") 25-50%	0.59	Fragments (<3") 25-50%	0.59	Surface fragments (<3") >25%	1.00
						Bedrock 20-40" and slope > 2%	0.50
Aspocket	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Surface fragments (<3") >25%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Permeability .06-.6"/hr	0.26	Permeability .06-.6"/hr	0.26	Fragments >10" .1 to 3%	0.76

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9131:							
Hawkridge	1	Limitations		Limitations		Limitations	
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock depth < 20"	1.00
		Fragments >3" 25 to 75%	0.32	Fragments >3" 25 to 75%	0.32	Fragments > 3" > 30%	1.00
Typic Cryaquolls	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") > 50%	1.00	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
9141:							
Melody	55	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock depth < 20"	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	
Sky	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Mountrose	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Surface fragments (<3") 10-25%	0.92
Wardcreek	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.58	Fragments >3" 25 to 75%	0.58	Surface fragments (<3") >25%	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9141:							
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Very dusty	1.00	Surface fragments (<3") >25%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
9142:							
Melody	55	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Bedrock depth < 20"	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	
Sky	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Mountrose	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Surface fragments (<3") 10-25%	0.92
Wardcreek	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.58	Fragments >3" 25 to 75%	0.58	Surface fragments (<3") >25%	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9142:							
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Very dusty	1.00	Surface fragments (<3") >25%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
9143:							
Melody	55	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Bedrock depth < 20"	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	
Sky	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Mountrose	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Surface fragments (<3") 10-25%	0.92
Wardcreek	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.58	Fragments >3" 25 to 75%	0.58	Surface fragments (<3") >25%	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9143:							
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Very dusty	1.00	Surface fragments (<3") >25%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
9151:							
Shakespeare	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Permeability .06-.6"/hr	0.50	Permeability .06-.6"/hr	0.50	Permeability .06-.6"/hr	0.50
Deerhill	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Surface fragments (<3") 10-25%	0.92
Melody	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Bedrock depth < 20"	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.58	Fragments >3" 25 to 75%	0.58	Surface fragments (<3") >25%	1.00
Dagget very gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9151:							
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Temo----------	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
Witefels----------	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
9152:							
Shakespeare----------	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Permeability .06-.6"/hr	0.50	Permeability .06-.6"/hr	0.50	Permeability .06-.6"/hr	0.50
		Fragments >10" .1 to 3%	0.47	Fragments >10" .1 to 3%	0.47	Fragments >10" .1 to 3%	0.47
Deerhill----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19	Fragments >10" .1 to 3%	0.19
Mountrose----------	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Surface fragments (<3") 10-25%	0.92
Melody----------	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Bedrock depth < 20"	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Wardcreek----------	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.58	Fragments >3" 25 to 75%	0.58	Surface fragments (<3") >25%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9152:							
Dagget very gravelly loamy coarse sand------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Temo--------------------	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
Witefels----------------	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
9161:							
Sky----------------------	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Melody------------------	10	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock depth < 20"	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Mountrose---------------	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Surface fragments (<3") 10-25%	0.92
Wardcreek---------------	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.58	Fragments >3" 25 to 75%	0.58	Surface fragments (<3") >25%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9161:							
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Very dusty	1.00	Surface fragments (<3") >25%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
9162:							
Sky	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Melody	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Bedrock depth < 20"	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Surface fragments (<3") 10-25%	0.92
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.58	Fragments >3" 25 to 75%	0.58	Surface fragments (<3") >25%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9162:							
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Very dusty	1.00	Surface fragments (<3") >25%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
9163:							
Sky	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Melody	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Bedrock depth < 20"	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Surface fragments (<3") 10-25%	0.92
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.58	Fragments >3" 25 to 75%	0.58	Surface fragments (<3") >25%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9163:							
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Very dusty	1.00	Surface fragments (<3") >25%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
9164:							
Sky	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Melody	40	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock depth < 20"	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Surface fragments (<3") 10-25%	0.92
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.58	Fragments >3" 25 to 75%	0.58	Surface fragments (<3") >25%	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9164:							
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Very dusty	1.00	Surface fragments (<3") >25%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
9165:							
Sky	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Melody	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Bedrock depth < 20"	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Surface fragments (<3") 10-25%	0.92
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.58	Fragments >3" 25 to 75%	0.58	Surface fragments (<3") >25%	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9165:							
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Very dusty	1.00	Surface fragments (<3") >25%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
9166:							
Sky	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Melody	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Bedrock depth < 20"	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Surface fragments (<3") 10-25%	0.92
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.58	Fragments >3" 25 to 75%	0.58	Surface fragments (<3") >25%	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Very dusty	1.00	Surface fragments (<3") >25%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9166:							
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
9171:							
Mountrose----------	35	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Surface fragments (<3") 10-25%	0.92
Wardcreek----------	25	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Very dusty	1.00	Very dusty	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.58	Fragments >3" 25 to 75%	0.58	Surface fragments (<3") >25%	1.00
Melody----------	20	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Bedrock depth < 20"	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Meiss----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Very dusty	1.00	Surface fragments (<3") >25%	1.00
Rock outcrop----------	5	Not rated		Not rated		Not rated	
Rubble land----------	5	Not rated		Not rated		Not rated	
Sky----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
9401:							
Dagget very gravelly loamy coarse sand------	75	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9401:							
Temo	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
Witefels	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Jobsis	3	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Whittell	3	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments >10" >3%	1.00
Cagwin	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cassenai, moist	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Toem	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9402:							
Dagget very gravelly loamy coarse sand------	75	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Temo----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
Witefels----------	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Jobsis----------	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Rock outcrop----------	3	Not rated		Not rated		Not rated	
Whittell----------	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cagwin----------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cassenai, moist---------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Toem----------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9403:							
Dagget very gravelly loamy coarse sand------	75	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Temo----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
Witefels----------	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Jobsis----------	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Rock outcrop----------	3	Not rated		Not rated		Not rated	
Whittell----------	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cagwin----------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cassenai, moist---------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Toem----------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9403:							
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
9404:							
Dagget, moist----------	80	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Cassenai, moist---------	5	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" .1 to 3%	0.76
Rockbound very gravelly loam-------------------	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00		
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
						Fragments >10" >3%	1.00
Jobsis------------------	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00		
						Fragments >10" >3%	1.00
Oxyaquic Cryorthents----	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Temo--------------------	2	Limitations		Limitations		Limitations	
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
Whittell----------------	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9404:							
Witefels	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" >3%	1.00
9405:							
Dagget, moist	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cassenai, moist	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Rockbound very gravelly loam	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00		
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00
						Fragments >10" >3%	1.00
Jobsis	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00		
						Fragments >10" >3%	1.00
Oxyaquic Cryorthents	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Temo	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
Whittell	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9405:							
Witefels	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
9406:							
Dagget, moist	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cassenai, moist	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Rockbound very stony loam	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Bedrock depth < 20"	1.00
Jobsis	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Oxyaquic Cryorthents	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
Temo	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
Whittell	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9406:							
Witefels	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
9407:							
Dagget, moist	55	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Rock outcrop, granitic	25	Not rated		Not rated		Not rated	
Temo	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
Witefels	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Whittell	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cassenai, moist	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76	Fragments >10" .1 to 3%	0.76
Jobsis	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Oxyaquic Cryorthents	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9411:							
Freelpeak	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Fragments >10" >3%	1.00
Windyridge	25	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Bedrock depth < 20"	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Jobsis	8	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") 25-50%	0.74	Fragments (<3") 25-50%	0.74	Fragments >10" >3%	1.00
Whittell	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Waterpeak	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Buggin	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Bedrock depth < 20"	1.00
Glaciers	1	Not rated		Not rated		Not rated	
9421:							
Jobsis	45	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") 25-50%	0.74	Fragments (<3") 25-50%	0.74	Fragments >10" >3%	1.00

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9421:							
Whittell	25	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Rock outcrop	15	Not rated		Not rated		Not rated	
Typic Cryorthents, 8 to 30 percent slopes	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.35	Fragments >3" 25 to 75%	0.35	Surface fragments (<3") 10-25%	0.80
Windyridge	3	Limitations		Limitations		Limitations	
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock depth < 20"	1.00
Klauspeak	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions 70-90% by wt.	0.84	Surface sand fractions 70-90% by wt.	0.84	Surface fragments (<3") >25%	1.00
		Fragments (<3") 25-50%	0.08	Fragments (<3") 25-50%	0.08	Surface sand fractions 70-90% by wt.	0.84
Shalgran	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments > 3" > 30%	1.00
Buggin	1	Limitations		Limitations		Limitations	
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock depth < 20"	1.00
Typic Cryorthents, 4 to 30 percent slopes	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments > 3" > 30%	1.00
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	Slopes > 6%	1.00
		Fragments >3" 25 to 75%	0.35	Fragments >3" 25 to 75%	0.35	Surface fragments (<3") 10-25%	0.80

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9421:							
Waterpeak	1	Limitations		Limitations		Limitations	
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Surface sand fractions > 90% by wt.	1.00
		Fragments (<3") 25-50%	0.03	Fragments (<3") 25-50%	0.03	Surface fragments (<3") >25%	1.00
9431:							
Sofgran	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Surface sand fractions 70-90% by wt.	0.74	Surface sand fractions 70-90% by wt.	0.74	Fragments >10" >3%	1.00
Klauspeak	30	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Surface sand fractions 70-90% by wt.	0.84	Surface sand fractions 70-90% by wt.	0.84	Surface fragments (<3") >25%	1.00
Temo	15	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments >10" >3%	1.00
Rock outcrop	4	Not rated		Not rated		Not rated	
Shalgran	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments > 3" > 30%	1.00
Xeric Humicryepts	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions 70-90% by wt.	0.84	Surface sand fractions 70-90% by wt.	0.84	Surface fragments (<3") >25%	1.00
		Fragments (<3") 25-50%	0.02	Fragments (<3") 25-50%	0.02	Surface sand fractions 70-90% by wt.	0.84

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9431:							
Stumpatil	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments (<3") 25-50%	0.97	Fragments (<3") 25-50%	0.97	Surface fragments (<3") >25%	1.00
						Fragments >3" 5 to 30%	0.32
Aquic Haplocryolls	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.26	Fragments >3" 25 to 75%	0.26	Slopes > 6%	1.00
		Fragments (<3") 25-50%	0.08	Fragments (<3") 25-50%	0.08	Surface fragments (<3") >25%	1.00
Hopeval	1	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 12" depth	1.00	Saturation < 18" depth	1.00
		Flooding >= rare	1.00			Slopes 2 to 6%	0.74
						Occasional flooding	0.50
9441:							
Temo	45	Limitations		Limitations		Limitations	
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
Witefels	35	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments >10" >3%	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cagwin	4	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9442:							
Temo	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
Witefels	35	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cagwin	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
9443:							
Temo	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
Witefels	35	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9443:							
Dagget very gravelly loamy coarse sand------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cagwin------------------	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01
9444:							
Temo---------------------	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
Witefels-----------------	35	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Rock outcrop------------	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Cagwin------------------	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Frequent flooding	0.50	Flooding > occasional	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 6%	1.00
		Saturation from 18 to 30" depth	0.01	Saturation from 12 to 30" depth	0.01	Saturation from 18 to 30" depth	0.01

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9451:							
Waterpeak	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Fragments >10" >3%	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Shalgran	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments > 3" > 30%	1.00
Typic Cryorthents	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.35	Fragments >3" 25 to 75%	0.35	Surface fragments (<3") 10-25%	0.80
Pachic Haplocryolls	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Fragments (<3") 25-50%	0.12	Fragments (<3") 25-50%	0.12	Surface fragments (<3") >25%	1.00
9461:							
Whittell	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
Jobsis	25	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") 25-50%	0.74	Fragments (<3") 25-50%	0.74	Fragments >10" >3%	1.00
Rock outcrop	15	Not rated		Not rated		Not rated	

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9461:							
Jobsis, 8 to 30 percent slopes	4	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Slopes > 6%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Surface fragments (<3") >25%	1.00
		Fragments (<3") 25-50%	0.74	Fragments (<3") 25-50%	0.74	Fragments >10" >3%	1.00
Windyridge	4	Limitations		Limitations		Limitations	
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Slopes > 6%	1.00
		Fragments (<3") > 50%	1.00	Fragments (<3") > 50%	1.00	Surface fragments (<3") >25%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock depth < 20"	1.00
Klauspeak	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions 70-90% by wt.	0.84	Surface sand fractions 70-90% by wt.	0.84	Surface fragments (<3") >25%	1.00
		Fragments (<3") 25-50%	0.08	Fragments (<3") 25-50%	0.08	Surface sand fractions 70-90% by wt.	0.84
Shalgran	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Fragments > 3" > 30%	1.00
Buggin	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Bedrock depth < 20"	1.00	Bedrock depth < 20"	1.00	Surface fragments (<3") >25%	1.00
		Fragments >10" >3%	1.00	Fragments >10" >3%	1.00	Bedrock depth < 20"	1.00
Typic Cryorthents	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.35	Fragments >3" 25 to 75%	0.35	Surface fragments (<3") 10-25%	0.80

Table 15a.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Camp areas		Picnic areas		Playgrounds	
		Limitations	Value	Limitations	Value	Limitations	Value
9461:							
Waterpeak	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 6%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00
		Fragments (<3") 25-50%	0.03	Fragments (<3") 25-50%	0.03	Surface fragments (<3") >25%	1.00
W:							
Water	100	Not rated		Not rated		Not rated	

The interpretation for camp areas evaluates the following soil properties at variable depths in the soil: flooding; ponding; wetness; slope; depth to bedrock; depth to a cemented pan; fragments less than, equal to, or more than 3 inches in size; sodium content (SAR); salinity (EC); a clayey surface layer; Unified classes for a high content of organic matter (PT, OL, and OH); soil dustiness; and permeability (Ksat) that is too rapid, allowing seepage in some climates.

The interpretation for picnic areas evaluates the following soil properties at variable depths in the soil: flooding, ponding, wetness, slope, depth to bedrock, depth to a cemented pan, salinity (EC), pH, soil dustiness, fragments more than 3 inches in size, surface fragments more than 10 inches in size, the amount of sand or clay in the surface layer, Unified classes for a high content of organic matter (PT, OL, and OH), and permeability (Ksat) that is too rapid, allowing seepage in some climates.

The interpretation for playgrounds evaluates the following soil properties at variable depths in the soil: flooding, ponding, wetness, slope, depth to bedrock, depth to a cemented pan, surface fragments more than 10 inches in size, fragments equal to or less than 3 inches in size, Unified classes for a high content of organic matter (PT, OL, and OH), soil dustiness, sand or clay content in the surface layer, pH, salinity (EC), and permeability (Ksat) that is too rapid, allowing seepage in some climates.

Table 15b.--Recreational Development

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. The rating is based on the limitation with the highest value. Only the three highest value limitations are listed. There may be more limitations. Fine-earth fractions and coarse fragments are reported on a weight basis. An explanation of the rating criteria and of the abbreviations used in describing the limitations is given at the end of the table)

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7011:							
Beaches	64	Not rated		Not rated		Not rated	
Oxyaquic Xeropsamments	10	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Saturation < 12" depth	1.00
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	AWC 2-4" to 40"	0.92
						Fragments (gravel size) 25-50%	0.84
Watah	7	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
Gefo, barrier beach	6	Limitations		Limitations		Limitations	
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	AWC 2-4" to 40"	0.92
						Fragments (gravel size) 25-50%	0.84
						Loamy coarse sand surface	0.50
Marla	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
Cagwin	1	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
						Slopes 8 to 15%	0.16
Cassenai gravelly loamy coarse sand	1	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28
						Slopes 8 to 15%	0.16
Dunes	1	Not rated		Not rated		Not rated	

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7011:							
Jorge very gravelly sandy loam	1	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.04
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe silt loam	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
						Occasional flooding	0.80
Tahoma	1	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	Slopes 8 to 15%	0.04
Toem	1	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Bedrock depth < 20"	1.00
						AWC < 2" to 40"	1.00
						Slopes > 15%	1.00
7021:							
Hellhole	80	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
Bidart, wet	10	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
Watah	5	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
Water	5	Not rated		Not rated		Not rated	

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7031:							
Pits	45	Not rated		Not rated		Not rated	
Dumps	45	Not rated		Not rated		Not rated	
Arents	5	Not rated		Not rated		Not rated	
Xerorthents	5	Not rated		Not rated		Not rated	
7041:							
Tahoe silt loam	55	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
						Occasional flooding	0.80
Tahoe silt loam, wet	25	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
Marla	10	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
Tahoe, gravelly	5	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
Watah	5	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
7042:							
Tahoe, gravelly	55	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7042:							
Tahoe, gravelly, wet----	25	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
Marla----------	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
Riverwash----------	5	Not rated		Not rated		Not rated	
Tahoe silt loam---------	5	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
						Occasional flooding	0.80
Watah----------	5	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
7043:							
Tahoe, drained----------	80	Limitations		Limitations		Limitations	
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Occasional flooding	0.80
Marla----------	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
Tahoe, gravelly---------	5	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7043:							
Tahoe silt loam, wet----	5	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
Watah----------	5	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
7051:							
Oxyaquic Xerorthents----	60	Limitations		Limitations		Limitations	
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Coarse sand or sand surface	1.00
						AWC < 2" to 40"	1.00
						Fragments (gravel-size) >50%	1.00
Water----------	38	Not rated		Not rated		Not rated	
Marla----------	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
Watah----------	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
7061:							
Urban land----------	100	Not rated		Not rated		Not rated	
7071:							
Watah----------	75	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
Tahoe, gravelly, wet----	9	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7071:							
Tahoe silt loam, wet----	8	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
Marla----------	3	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
Bidart, wet----------	2	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
Water----------	2	Not rated		Not rated		Not rated	
Hellhole----------	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
7101:							
Caverock----------	80	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes 25 to 40%	0.22	Slopes > 15%	1.00
						Bedrock depth 20 to 40"	0.77
Cagwin----------	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.99
				Slopes > 40%	1.00	Bedrock depth 20 to 40"	0.71
Cassenai gravelly loamy coarse sand----------	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.28
Deerhill----------	3	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.50	Surface fragments (>10") .1-3% coverage	0.19	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19				

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7101:							
Genoapeak	2	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			AWC < 2" to 40"	1.00
						Slopes > 15%	1.00
Southcamp	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						AWC 2-4" to 40"	0.89
Zephyrcove	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10")	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	>3% coverage		Bedrock depth 20 to 40"	0.12
				Slopes > 40%	1.00		
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
7111:							
Deerhill	80	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.50	Surface fragments (>10")	0.19	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19	.1-3% coverage			
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10")	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92	>3% coverage		AWC 2-4" to 40"	0.28
Cagwin	3	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10")	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92	>3% coverage		AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
Shakespeare	3	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
Southcamp	3	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
						AWC 2-4" to 40"	0.89
Zephyrcove	3	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10")	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50	>3% coverage		Bedrock depth 20 to 40"	0.12

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7111:							
Genoapeak	2	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			AWC < 2" to 40"	1.00
						Slopes > 15%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
7112:							
Deerhill	80	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19		
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28
Cagwin	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.99
				Slopes > 40%	1.00	Bedrock depth 20 to 40"	0.71
Shakespeare	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.47	Surface fragments (>10") .1-3% coverage	0.47		
Southcamp	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						AWC 2-4" to 40"	0.89
Zephyrcove	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			Bedrock depth 20 to 40"	0.12
				Slopes > 40%	1.00		
Genoapeak	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						AWC < 2" to 40"	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7112:							
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
7121:							
Ellispeak---------------	45	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.50	Surface fragments (>10") .1-3% coverage	0.19	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19			AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	Slopes > 15%	1.00
Rock outcrop, volcanic--	40	Not rated		Not rated		Not rated	
Waca--------------------	10	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Kneeridge, well drained	2	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.16
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76		
Paige-------------------	2	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.82				
Tahoe, gravelly---------	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
7122:							
Ellispeak---------------	45	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Slopes > 15%	1.00
		Fragments >3" 25 to 75%	0.01			AWC < 2" to 40"	1.00
				Surface fragments (>3") 25-75%	0.01		
Rock outcrop, volcanic--	40	Not rated		Not rated		Not rated	

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7122:							
Waca	10	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Slopes > 40%	1.00	AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Kneeridge, well drained	3	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.16
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76		
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Paige	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Slopes > 40%	1.00		
7123:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Slopes > 15%	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	AWC < 2" to 40"	1.00
Rock outcrop, volcanic	40	Not rated		Not rated		Not rated	
Waca	10	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Kneeridge, well drained	3	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.16
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76		
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Paige	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Slopes > 40%	1.00		

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7131:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.50	Surface fragments (>10") .1-3% coverage	0.19	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19			AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	Slopes > 15%	1.00
Waca	40	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.15
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
7132:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Slopes > 15%	1.00
		Fragments >3" 25 to 75%	0.01			AWC < 2" to 40"	1.00
				Surface fragments (>3") 25-75%	0.01		
Waca	40	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Slopes > 40%	1.00	AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.15
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7133:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Slopes > 15%	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	AWC < 2" to 40"	1.00
Waca	40	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.15
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
7141:							
Inville	80	No limitations		No limitations		Limitations	
						AWC 2-4" to 40"	0.24
Christopher loamy coarse sand	10	No limitations		No limitations		No limitations	
Cassenai gravelly loamy coarse sand	4	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28
						Slopes 8 to 15%	0.16
Jorge very gravelly sandy loam	3	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.04
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
Kingsbeach	2	No limitations		No limitations		No limitations	
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7142:							
Inville	80	No limitations		No limitations		Limitations Slopes 8 to 15% AWC 2-4" to 40"	 0.63 0.24
Cassenai gravelly loamy coarse sand	10	Limitations Fragments >10" >3%	 1.00	Limitations Surface fragments (>10") >3% coverage	 1.00	Limitations AWC 2-4" to 40" Slopes 8 to 15%	 0.28 0.16
Christopher gravelly loamy coarse sand	4	Limitations Slopes 15 to 25%	 0.50	No limitations		Limitations Slopes > 15% AWC 2-4" to 40"	 1.00 0.63
Jorge very gravelly sandy loam	3	Limitations Very dusty Fragments >10" >3%	 1.00 1.00	Limitations Very dusty Surface fragments (>10") >3% coverage	 1.00 1.00	Limitations Slopes 8 to 15%	 0.04
Meeks, extremely bouldery	2	Limitations Fragments >10" >3%	 1.00	Limitations Surface fragments (>10") >3% coverage	 1.00	Limitations AWC 2-4" to 40" Slopes 8 to 15%	 0.94 0.16
Aquic Xerorthents	1	Limitations Frequent flooding	 0.50	Limitations Frequent flooding	 0.50	Limitations Frequent flooding Slopes 8 to 15%	 0.90 0.16
7143:							
Inville	80	Limitations Slopes 15 to 25%	 0.92	No limitations		Limitations Slopes > 15% AWC 2-4" to 40"	 1.00 0.24
Cassenai gravelly loamy coarse sand	10	Limitations Fragments >10" >3% Slopes 15 to 25%	 1.00 0.92	Limitations Surface fragments (>10") >3% coverage	 1.00	Limitations Slopes > 15% AWC 2-4" to 40"	 1.00 0.28
Christopher gravelly loamy coarse sand	4	Limitations Slopes 15 to 25%	 0.50	No limitations		Limitations Slopes > 15% AWC 2-4" to 40"	 1.00 0.63

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7143:							
Jorge very gravelly sandy loam	3	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
		Slopes 15 to 25%	0.92				
Meeks, extremely bouldery	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.94
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
7151:							
Jorge very cobbly fine sandy loam	80	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.16
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
Tahoma	5	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	Slopes 8 to 15%	0.04
Waca	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Jorge, very cobbly loam	4	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.04
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
Ellispeak	2	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.50	Surface fragments (>10") .1-3% coverage	0.19	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19			AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	Slopes > 15%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7151:							
Sky	2	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
						AWC 2-4" to 40"	0.93
						Bedrock depth 20 to 40"	0.90
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Rock outcrop	1	Not rated		Not rated		Not rated	
7152:							
Jorge very cobbly fine sandy loam	80	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
		Slopes 15 to 25%	0.92				
Tahoma	5	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.92	Surface fragments (>10") .1-3% coverage	0.76	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76				
Waca	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Jorge very cobbly loam	4	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
		Slopes > 25%	1.00				
				Slopes 25 to 40%	0.22		
Ellispeak	2	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.50	Surface fragments (>10") .1-3% coverage	0.19	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19			AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	Slopes > 15%	1.00
Sky	2	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
						AWC 2-4" to 40"	0.93
						Bedrock depth 20 to 40"	0.90

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7152:							
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Rock outcrop------------	1	Not rated		Not rated		Not rated	
7153:							
Jorge very cobbly fine sandy loam-------------	80	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Slopes > 40%	1.00		
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
Tahoma------------------	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76		
Waca---------------------	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Slopes > 40%	1.00	AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Jorge very cobbly loam	4	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
		Slopes > 25%	1.00	Slopes 25 to 40%	0.22		
Ellispeak---------------	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Slopes > 15%	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	AWC < 2" to 40"	1.00
Sky----------------------	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						AWC 2-4" to 40"	0.93
						Bedrock depth 20 to 40"	0.90

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7153:							
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Rock outcrop------------	1	Not rated		Not rated		Not rated	
7154:							
Jorge very cobbly loam	75	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.04
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
Rubble land------------	10	Not rated		Not rated		Not rated	
Tahoma------------------	5	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	Slopes 8 to 15%	0.04
Ellispeak---------------	3	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.50	Surface fragments (>10") .1-3% coverage	0.19	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19			AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	Slopes > 15%	1.00
Rock outcrop------------	3	Not rated		Not rated		Not rated	
Waca---------------------	3	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Tahoe, gravelly---------	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
7155:							
Jorge very cobbly loam	75	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
		Slopes > 25%	1.00	Slopes 25 to 40%	0.22		

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7155:							
Rubble land	10	Not rated		Not rated		Not rated	
Tahoma	5	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.92	Surface fragments (>10") .1-3% coverage	0.76	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76				
Ellispeak	3	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.50	Surface fragments (>10") .1-3% coverage	0.19	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19			AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	Slopes > 15%	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Waca	3	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
7156:							
Jorge very gravelly sandy loam	45	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
		Slopes 15 to 25%	0.92				
Tahoma	35	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.92	Surface fragments (>10") .1-3% coverage	0.76	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76				
Waca	10	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7156:							
Inville	5	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.92			Slopes > 15%	1.00
						AWC 2-4" to 40"	0.24
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.50	Surface fragments (>10")	0.19	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	.1-3% coverage		AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	Slopes > 15%	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
7157:							
Jorge very gravelly sandy loam	55	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Slopes > 40%	1.00		
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
Tahoma	25	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76		
Waca	10	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Slopes > 40%	1.00	AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Inville	5	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.92			Slopes > 15%	1.00
						AWC 2-4" to 40"	0.24
Rubble land	2	Not rated		Not rated		Not rated	

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7157:							
Ellispeak	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Slopes > 15%	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	AWC < 2" to 40"	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
7161:							
Kingsbeach	80	No limitations		No limitations		No limitations	
Tahoma	10	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	Slopes 8 to 15%	0.04
Jorge very gravelly sandy loam	8	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.04
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
Beaches	1	Not rated		Not rated		Not rated	
Dunes	1	Not rated		Not rated		Not rated	
7171:							
Kneeridge, extremely stony	80	Limitations		Limitations		No limitations	
		Very dusty	1.00	Very dusty	1.00		
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
Jorge very gravelly sandy loam	9	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.04
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7171:							
Paige	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.16
Waca	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
7172:							
Kneeridge, well drained	80	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.16
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76		
Jorge very gravelly sandy loam	9	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.04
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
Paige	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.16
Waca	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7173:							
Kneeridge, very stony---	80	Limitations		Limitations		No limitations	
		Very dusty	1.00	Very dusty	1.00		
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19		
Jorge very gravelly sandy loam----------	9	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.04
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
Paige----------	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.16
Waca----------	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Tahoe, gravelly---------	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
7174:							
Kneeridge, very stony---	80	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.16
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19		
Jorge very gravelly sandy loam----------	9	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.04
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
Paige----------	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.16

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7174:							
Waca	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
7181:							
Paige	80	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.16
Kneeridge, well drained	7	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.16
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76		
Jorge very gravelly sandy loam	6	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.04
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
Tahoe, gravelly	5	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
Waca	2	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
7182:							
Paige	80	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.82				

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7182:							
Jorge very gravelly sandy loam	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
		Slopes 15 to 25%	0.92				
Tahoma	5	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.92	Surface fragments (>10") .1-3% coverage	0.76	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76				
Waca	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Kneeridge, well drained	4	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.16
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76		
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
7183:							
Paige	84	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Slopes > 40%	1.00		
Jorge very gravelly sandy loam	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Slopes > 40%	1.00		
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
Tahoma	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76		

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7183:							
Waca	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Slopes > 40%	1.00	AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
7191:							
Rock outcrop, volcanic	90	Not rated		Not rated		Not rated	
Glenalpine	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.12	Surface fragments (>3") 25-75%	0.12	AWC 2-4" to 40"	0.64
Lithnip	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Surface fragments <3" >65%	1.00	Surface fragments <3" >65%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Fragments (gravel-size) >50%	1.00
Meiss	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Slopes 25 to 40%	0.50	Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Melody	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
Rubble land	2	Not rated		Not rated		Not rated	
7201:							
Rubble land, talus	45	Not rated		Not rated		Not rated	

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7201:							
Glenalpine	40	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.12			AWC 2-4" to 40"	0.64
				Surface fragments (>3") 25-75%	0.12		
Rock outcrop	10	Not rated		Not rated		Not rated	
Rockbound very stony loam	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00			Slopes > 15%	1.00
		Surface sand fractions > 90% by wt.	0.99	Slopes > 40%	1.00	Coarse sand or sand surface	1.00
				Surface sand fractions > 90% by wt.	0.99		
7211:							
Southcamp	80	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						AWC 2-4" to 40"	0.89
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28
Genoapeak	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Zephyrcove	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			Bedrock depth 20 to 40"	0.12
				Slopes > 40%	1.00		
Cagwin	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7211:							
Deerhill	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19		
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
7221:							
Tahoma	80	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	Slopes 8 to 15%	0.04
Waca	10	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Inville	4	No limitations		No limitations		Limitations	
						Slopes 8 to 15%	0.63
						AWC 2-4" to 40"	0.24
Rubble land	3	Not rated		Not rated		Not rated	
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Ellispeak	1	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.50	Surface fragments (>10") .1-3% coverage	0.19	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19			AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	Slopes > 15%	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
7222:							
Tahoma	50	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	Slopes 8 to 15%	0.04

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7222:							
Jorge very gravelly sandy loam	30	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.04
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
Waca	10	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Inville	5	No limitations		No limitations		Limitations	
						Slopes 8 to 15%	0.63
						AWC 2-4" to 40"	0.24
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.50	Surface fragments (>10") .1-3% coverage	0.19	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19			AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	Slopes > 15%	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
7231:							
Waca	80	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Ellispeak	5	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.50	Surface fragments (>10") .1-3% coverage	0.19	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19			AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	Slopes > 15%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7231:							
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.15
Kneeridge, well drained	2	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.16
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76		
Paige	2	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.82				
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
7232:							
Waca	80	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Slopes > 40%	1.00	AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Ellispeak	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Slopes > 15%	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	AWC < 2" to 40"	1.00
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	4	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.15
Kneeridge, well drained	2	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.16
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76		

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7232:							
Paige	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Slopes > 40%	1.00		
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Typic Epiaquents	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Saturation < 12" depth	1.00
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
7233:							
Waca	80	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Ellispeak	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Slopes > 15%	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	AWC < 2" to 40"	1.00
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.15
Kneeridge, well drained	2	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.16
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76		
Paige	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Slopes > 40%	1.00		
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7241:							
Zephyrcove	50	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10")	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50	>3% coverage		Bedrock depth 20 to 40"	0.12
Southcamp	20	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
						AWC 2-4" to 40"	0.89
Genoapeak	17	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			AWC < 2" to 40"	1.00
						Slopes > 15%	1.00
Cagwin	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10")	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92	>3% coverage		AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10")	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92	>3% coverage		AWC 2-4" to 40"	0.28
Deerhill	2	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.50	Surface fragments (>10")	0.19	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19	.1-3% coverage			
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
7242:							
Zephyrcove	50	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10")	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	>3% coverage		Bedrock depth 20 to 40"	0.12
				Slopes > 40%	1.00		
Southcamp	20	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						AWC 2-4" to 40"	0.89
Genoapeak	17	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						AWC < 2" to 40"	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7242:							
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.99
				Slopes > 40%	1.00	Bedrock depth 20 to 40"	0.71
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28
Deerhill	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19		
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
7401:							
Burnlake	60	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Fragments (gravel-size) >50%	1.00
		Slopes 15 to 25%	0.32			Slopes > 15%	1.00
						AWC 2-4" to 40"	0.97
Roadcat	25	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC < 2" to 40"	1.00
		Surface sand fractions 70-90% by wt.	0.74			Fragments (gravel-size) >50%	1.00
		Slopes 15 to 25%	0.02	Surface sand fractions 70-90% by wt.	0.74	Slopes > 15%	1.00
Hardtil	4	Limitations		Limitations		Limitations	
		Surface sand fractions 70-90% by wt.	0.82	Surface sand fractions 70-90% by wt.	0.82	AWC < 2" to 40"	1.00
		Slopes 15 to 25%	0.32			Bedrock depth < 20"	1.00
						Slopes > 15%	1.00
Aquic Haplocryolls	2	Limitations		Limitations		Limitations	
		Fragments >3" 25 to 75%	0.26	Surface fragments (>3") 25-75%	0.26	Fragments > 3" > 30%	1.00
		Slopes 15 to 25%	0.02			Slopes > 15%	1.00
						AWC 2-4" to 40"	0.52

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7401:							
Aspetill	2	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.32			Slopes > 15%	1.00
						Fragments (gravel size) 25-50%	0.82
						Fragments >3" 5 to 30%	0.32
Cumulic Cryaquolls	2	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Saturation < 12" depth	1.00
		Slopes 15 to 25%	0.32	Surface fragments (>3") 25-75%	0.26	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.26			Slopes > 15%	1.00
Stumpatil	2	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.32			Slopes > 15%	1.00
						Fragments (gravel size) 25-50%	0.96
						AWC 2-4" to 40"	0.48
Typic Haploxerepts	2	Limitations		Limitations		Limitations	
		Surface sand fractions 70-90% by wt.	0.74	Surface sand fractions 70-90% by wt.	0.74	AWC < 2" to 40"	1.00
		Slopes 15 to 25%	0.02			Fragments (gravel-size) >50%	1.00
						Slopes > 15%	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
7411:							
Cagwin	50	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
						Slopes 8 to 15%	0.16
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28
						Slopes 8 to 15%	0.16
Toem	10	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Bedrock depth < 20"	1.00
						AWC < 2" to 40"	1.00
						Slopes > 15%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7411:							
Dagget very gravelly loamy coarse sand------	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10")	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.82	>3% coverage		AWC 2-4" to 40"	0.96
Temo----------	2	Limitations		Limitations		Limitations	
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Bedrock depth < 20"	1.00
						Coarse sand or sand surface	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC < 2" to 40"	1.00
Witefels----------	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.97
						Slopes 8 to 15%	0.16
						Bedrock depth 20 to 40"	0.06
Marla----------	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
7412:							
Cagwin----------	50	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10")	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92	>3% coverage		AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
Rock outcrop, granitic--	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand----------	10	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10")	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92	>3% coverage		AWC 2-4" to 40"	0.28
Toem----------	10	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Bedrock depth < 20"	1.00
						AWC < 2" to 40"	1.00
						Slopes > 15%	1.00
Dagget very gravelly loamy coarse sand------	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10")	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.82	>3% coverage		AWC 2-4" to 40"	0.96

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7412:							
Temo	2	Limitations		Limitations		Limitations	
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Bedrock depth < 20"	1.00
						Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Coarse sand or sand surface	1.00
		Slopes 15 to 25%	0.82				
Witefels	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.97
						Bedrock depth 20 to 40"	0.06
Marla	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
7413:							
Cagwin	50	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.99
				Slopes > 40%	1.00	Bedrock depth 20 to 40"	0.71
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28
Toem	10	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
						Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.96
				Slopes > 40%	1.00		

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7413:							
Temo	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface sand fractions > 90% by wt.	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions > 90% by wt.	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Coarse sand or sand surface	1.00
Witefels	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.97
						Bedrock depth 20 to 40"	0.06
Marla	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
7414:							
Cagwin	50	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28
Toem	10	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
						Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.96

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7414:							
Temo	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Coarse sand or sand surface	1.00
Witefels	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.97
						Bedrock depth 20 to 40"	0.06
Marla	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
7421:							
Cassenai gravelly loamy coarse sand	78	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28
						Slopes 8 to 15%	0.16
Cagwin	12	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
						Slopes 8 to 15%	0.16
Toem	4	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Bedrock depth < 20"	1.00
						AWC < 2" to 40"	1.00
						Slopes > 15%	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Christopher gravelly loamy coarse sand	1	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
						AWC 2-4" to 40"	0.63
Christopher loamy coarse sand	1	No limitations		No limitations		No limitations	

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7421:							
Marla	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
7422:							
Cassenai gravelly loamy coarse sand	73	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.28
Cagwin	12	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.82			AWC 2-4" to 40"	0.96
Toem	4	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Bedrock depth < 20"	1.00
						AWC < 2" to 40"	1.00
						Slopes > 15%	1.00
Aquic Xerorthents	2	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Christopher gravelly loamy coarse sand	2	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
						AWC 2-4" to 40"	0.63
Rock outcrop	2	Not rated		Not rated		Not rated	
7423:							
Cassenai gravelly loamy coarse sand	78	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7423:							
Cagwin	12	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.99
				Slopes > 40%	1.00	Bedrock depth 20 to 40"	0.71
Toem	4	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
						Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Christopher gravelly loamy coarse sand	2	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
						AWC 2-4" to 40"	0.63
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
7424:							
Cassenai gravelly loamy coarse sand	78	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28
Cagwin	12	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
Toem	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
						Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Rock outcrop	4	Not rated		Not rated		Not rated	
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7425:							
Cassenai, moist	80	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	Slopes 8 to 15%	0.16
						AWC 2-4" to 40"	0.03
Cagwin	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
						Slopes 8 to 15%	0.16
Meeks, extremely bouldery	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.94
						Slopes 8 to 15%	0.16
Tallac, very stony	5	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	AWC 2-4" to 40"	0.44
Rock outcrop	2	Not rated		Not rated		Not rated	
Toem	2	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Bedrock depth < 20"	1.00
						AWC < 2" to 40"	1.00
						Slopes > 15%	1.00
Marla	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
7426:							
Cassenai, moist	80	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.92	Surface fragments (>10") .1-3% coverage	0.76	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76			AWC 2-4" to 40"	0.03
Cagwin	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
Tallac, very stony	5	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.92	Surface fragments (>10") .1-3% coverage	0.76	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76			AWC 2-4" to 40"	0.44

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7426:							
Meeks, extremely bouldery	4	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.94
Rock outcrop	2	Not rated		Not rated		Not rated	
Toem	2	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Bedrock depth < 20"	1.00
						AWC < 2" to 40"	1.00
						Slopes > 15%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Marla	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
7427:							
Cassenai, moist	80	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	AWC 2-4" to 40"	0.03
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.99
				Slopes > 40%	1.00	Bedrock depth 20 to 40"	0.71
Meeks, extremely bouldery	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.94
				Slopes > 40%	1.00		
Toem	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
						Slopes > 15%	1.00
						AWC < 2" to 40"	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7427:							
Rock outcrop	2	Not rated		Not rated		Not rated	
Tallac, very stony	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	AWC 2-4" to 40"	0.44
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
7428:							
Cassenai, moist	80	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	AWC 2-4" to 40"	0.03
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
Meeks, extremely bouldery	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	AWC 2-4" to 40"	0.94
Toem	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
						Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Rock outcrop	2	Not rated		Not rated		Not rated	
Tallac, very stony	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	AWC 2-4" to 40"	0.44
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7431:							
Celio	80	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Surface sand fractions 70-90% by wt.	0.91	Surface sand fractions 70-90% by wt.	0.91	AWC < 2" to 40"	1.00
		Saturation from 12 to 24" depth	0.11	Saturation from 12 to 24" depth	0.11	Loamy coarse sand surface	0.50
Meeks, stony	7	No limitations		No limitations		Limitations	
						AWC 2-4" to 40"	0.94
Tahoe, gravelly	5	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
Marla	4	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
Watah	4	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
7441:							
Christopher loamy coarse sand	80	No limitations		No limitations		No limitations	
Gefo gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	AWC 2-4" to 40"	0.92
						Fragments (gravel size) 25-50%	0.84
						Loamy coarse sand surface	0.50
Jabu	5	No limitations		No limitations		No limitations	
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Saturation < 12" depth	1.00
						AWC 2-4" to 40"	0.10

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7441:							
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
7442:							
Christopher loamy coarse sand	80	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
Gefo gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	AWC 2-4" to 40"	0.92
						Fragments (gravel size) 25-50%	0.84
						Loamy coarse sand surface	0.50
Jabu	5	No limitations		No limitations		Limitations	
						Slopes > 15%	1.00
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Saturation < 12" depth	1.00
						Slopes 8 to 15%	0.16
						AWC 2-4" to 40"	0.10
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
7443:							
Christopher gravelly loamy coarse sand	80	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
						AWC 2-4" to 40"	0.63
Gefo gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	AWC 2-4" to 40"	0.92
						Fragments (gravel size) 25-50%	0.84
						Loamy coarse sand surface	0.50

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7443:							
Jabu	5	No limitations		No limitations		Limitations Slopes > 15%	1.00
Oneidas	3	Limitations Saturation < 12" depth	1.00	Limitations Saturation < 12" depth	1.00	Limitations Saturation < 12" depth Slopes 8 to 15% AWC 2-4" to 40"	1.00 0.16 0.10
Marla	2	Limitations Ponding (any duration) Saturation from 12 to 24" depth	1.00 0.22	Limitations Ponding (any duration) Saturation from 12 to 24" depth	1.00 0.22	Limitations Ponding (any duration) Saturation from 12 to 24" depth	1.00 0.22
7444:							
Christopher loamy coarse sand	45	No limitations		No limitations		No limitations	
Gefo gravelly loamy coarse sand	35	Limitations Surface sand fractions 70-90% by wt.	0.30	Limitations Surface sand fractions 70-90% by wt.	0.30	Limitations AWC 2-4" to 40" Fragments (gravel size) 25-50% Loamy coarse sand surface	0.92 0.84 0.50
Jabu	5	No limitations		No limitations		No limitations	
Marla	5	Limitations Ponding (any duration) Saturation from 12 to 24" depth	1.00 0.22	Limitations Ponding (any duration) Saturation from 12 to 24" depth	1.00 0.22	Limitations Ponding (any duration) Saturation from 12 to 24" depth	1.00 0.22
Oneidas	5	Limitations Saturation < 12" depth	1.00	Limitations Saturation < 12" depth	1.00	Limitations Saturation < 12" depth AWC 2-4" to 40"	1.00 0.10
Ubaj	5	No limitations		No limitations		No limitations	
7451:							
Gefo gravelly loamy coarse sand	80	Limitations Surface sand fractions 70-90% by wt.	0.30	Limitations Surface sand fractions 70-90% by wt.	0.30	Limitations AWC 2-4" to 40" Fragments (gravel size) 25-50% Loamy coarse sand surface	0.92 0.84 0.50

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7451:							
Christopher loamy coarse sand	10	No limitations		No limitations		No limitations	
Jabu	5	No limitations		No limitations		No limitations	
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Saturation < 12" depth	1.00
						AWC 2-4" to 40"	0.10
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
7452:							
Gefo gravelly loamy coarse sand	80	Limitations		Limitations		Limitations	
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	AWC 2-4" to 40"	0.92
						Fragments (gravel size) 25-50%	0.84
						Loamy coarse sand surface	0.50
Christopher loamy coarse sand	10	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
Jabu	5	No limitations		No limitations		Limitations	
						Slopes > 15%	1.00
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Saturation < 12" depth	1.00
						Slopes 8 to 15%	0.16
						AWC 2-4" to 40"	0.10
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
7461:							
Jabu	80	No limitations		No limitations		No limitations	
Christopher loamy coarse sand	10	No limitations		No limitations		No limitations	

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7461:							
Oneidas	5	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Saturation < 12" depth	1.00
						AWC 2-4" to 40"	0.10
Gefo gravelly loamy coarse sand	3	Limitations		Limitations		Limitations	
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	AWC 2-4" to 40"	0.92
						Fragments (gravel size) 25-50%	0.84
						Loamy coarse sand surface	0.50
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
7462:							
Jabu	80	No limitations		No limitations		Limitations	
						Slopes > 15%	1.00
Christopher loamy coarse sand	10	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
Oneidas	5	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Saturation < 12" depth	1.00
						Slopes 8 to 15%	0.16
						AWC 2-4" to 40"	0.10
Gefo gravelly loamy coarse sand	3	Limitations		Limitations		Limitations	
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	AWC 2-4" to 40"	0.92
						Fragments (gravel size) 25-50%	0.84
						Loamy coarse sand surface	0.50
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7471:							
Marla	80	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
Christopher loamy coarse sand	4	No limitations		No limitations		No limitations	
Gefo gravelly loamy coarse sand	4	Limitations		Limitations		Limitations	
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	AWC 2-4" to 40"	0.92
						Fragments (gravel size) 25-50%	0.84
						Loamy coarse sand surface	0.50
Tahoe silt loam	4	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
						Occasional flooding	0.80
Ubaj	4	No limitations		No limitations		No limitations	
Watah	4	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
7481:							
Meeks, stony	85	No limitations		No limitations		Limitations	
						AWC 2-4" to 40"	0.94
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28
						Slopes 8 to 15%	0.16
Celio	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Surface sand fractions 70-90% by wt.	0.91	Surface sand fractions 70-90% by wt.	0.91	AWC < 2" to 40"	1.00
		Saturation from 12 to 24" depth	0.11	Saturation from 12 to 24" depth	0.11	Loamy coarse sand surface	0.50

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7481:							
Gefo gravelly loamy coarse sand	4	Limitations		Limitations		Limitations	
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	AWC 2-4" to 40"	0.92
						Fragments (gravel size) 25-50%	0.84
						Loamy coarse sand surface	0.50
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
7482:							
Meeks, stony	80	No limitations		No limitations		Limitations	
						AWC 2-4" to 40"	0.94
						Slopes 8 to 15%	0.16
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28
						Slopes 8 to 15%	0.16
Oneidas	7	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Saturation < 12" depth	1.00
						Slopes 8 to 15%	0.16
						AWC 2-4" to 40"	0.10
Celio	3	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Surface sand fractions 70-90% by wt.	0.91	Surface sand fractions 70-90% by wt.	0.91	AWC < 2" to 40"	1.00
		Saturation from 12 to 24" depth	0.11	Saturation from 12 to 24" depth	0.11	Loamy coarse sand surface	0.50
7483:							
Meeks, very stony	85	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.94	Surface fragments (>10") .1-3% coverage	0.94	AWC 2-4" to 40"	0.94
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28
						Slopes 8 to 15%	0.16

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7483:							
Celio	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Surface sand fractions 70-90% by wt.	0.91	Surface sand fractions 70-90% by wt.	0.91	AWC < 2" to 40"	1.00
		Saturation from 12 to 24" depth	0.11	Saturation from 12 to 24" depth	0.11	Loamy coarse sand surface	0.50
Jabu	5	No limitations		No limitations		No limitations	
7484:							
Meeks, extremely bouldery	80	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.94
						Slopes 8 to 15%	0.16
Burnlake	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Fragments (gravel-size) >50%	1.00
		Surface fragments <3" >65%	1.00	Surface fragments <3" >65%	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.32			AWC 2-4" to 40"	0.97
Meeks, rubbly	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.94
						Slopes 8 to 15%	0.16
Dagget, moist	3	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.96
						Slopes 8 to 15%	0.16
Tallac, very stony	3	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	AWC 2-4" to 40"	0.44
Roadcat	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC < 2" to 40"	1.00
		Surface sand fractions 70-90% by wt.	0.74	Surface sand fractions 70-90% by wt.	0.74	Fragments (gravel-size) >50%	1.00
		Slopes 15 to 25%	0.02			Slopes > 15%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7484:							
Jabu	1	No limitations		No limitations		Limitations Slopes > 15%	1.00
7485:							
Meeks, extremely bouldery	80	Limitations Fragments >10" >3% Slopes 15 to 25%	1.00 0.92	Limitations Surface fragments (>10") >3% coverage	1.00	Limitations Slopes > 15% AWC 2-4" to 40"	1.00 0.94
Burnlake	5	Limitations Fragments >10" >3% Surface fragments <3" >65% Slopes 15 to 25%	1.00 1.00 0.32	Limitations Surface fragments (>10") >3% coverage Surface fragments <3" >65%	1.00 1.00	Limitations Fragments (gravel-size) >50% Slopes > 15% AWC 2-4" to 40"	1.00 1.00 0.97
Meeks, rubbly	5	Limitations Fragments >10" >3% Slopes 15 to 25%	1.00 0.92	Limitations Surface fragments (>10") >3% coverage	1.00	Limitations Slopes > 15% AWC 2-4" to 40"	1.00 0.94
Dagget, moist	3	Limitations Fragments >10" >3% Slopes 15 to 25%	1.00 0.92	Limitations Surface fragments (>10") >3% coverage	1.00	Limitations Slopes > 15% AWC 2-4" to 40"	1.00 0.96
Tallac, very stony	3	Limitations Slopes 15 to 25% Fragments >10" .1 to 3%	0.92 0.76	Limitations Surface fragments (>10") .1-3% coverage	0.76	Limitations Slopes > 15% AWC 2-4" to 40"	1.00 0.44
Roadcat	2	Limitations Fragments >10" >3% Surface sand fractions 70-90% by wt. Slopes 15 to 25%	1.00 0.74 0.02	Limitations Surface fragments (>10") >3% coverage Surface sand fractions 70-90% by wt.	1.00 0.74	Limitations AWC < 2" to 40" Fragments (gravel-size) >50% Slopes > 15%	1.00 1.00 1.00
Aquic Xerorthents	1	Limitations Frequent flooding	0.50	Limitations Frequent flooding	0.50	Limitations Frequent flooding Slopes 8 to 15%	0.90 0.16
Jabu	1	No limitations		No limitations		Limitations Slopes > 15%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7486:							
Meeks, extremely bouldery	80	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.94
				Slopes > 40%	1.00		
Burnlake	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Fragments (gravel-size) >50%	1.00
		Surface fragments <3" >65%	1.00			Slopes > 15%	1.00
		Slopes 15 to 25%	0.32	Surface fragments <3" >65%	1.00	AWC 2-4" to 40"	0.97
Meeks, rubbly	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.94
				Slopes > 40%	1.00		
Dagget, moist	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.96
				Slopes > 40%	1.00		
Tallac, very stony	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	AWC 2-4" to 40"	0.44
Roadcat	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC < 2" to 40"	1.00
		Surface sand fractions 70-90% by wt.	0.74			Fragments (gravel-size) >50%	1.00
				Surface sand fractions 70-90% by wt.	0.74		
		Slopes 15 to 25%	0.02			Slopes > 15%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Jabu	1	No limitations		No limitations		Limitations	
						Slopes > 15%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7487:							
Meeks, rubbly	80	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.94
						Slopes 8 to 15%	0.16
Burnlake	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Fragments (gravel-size) >50%	1.00
		Surface fragments <3" >65%	1.00				
		Slopes 15 to 25%	0.32	Surface fragments <3" >65%	1.00	Slopes > 15%	1.00
						AWC 2-4" to 40"	0.97
Rockbound very gravelly loam	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions 70-90% by wt.	0.76			AWC < 2" to 40"	1.00
				Surface sand fractions 70-90% by wt.	0.76	Fragments (gravel-size) >50%	1.00
Roadcat	3	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC < 2" to 40"	1.00
		Surface sand fractions 70-90% by wt.	0.74			Fragments (gravel-size) >50%	1.00
				Surface sand fractions 70-90% by wt.	0.74		
		Slopes 15 to 25%	0.02			Slopes > 15%	1.00
Cagwin	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
						Slopes 8 to 15%	0.16
Cassenai gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28
						Slopes 8 to 15%	0.16
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7488:							
Meeks, rubbly	80	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.94
Burnlake	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Fragments (gravel-size) >50%	1.00
		Surface fragments <3" >65%	1.00				
		Slopes 15 to 25%	0.32	Surface fragments <3" >65%	1.00	Slopes > 15%	1.00
						AWC 2-4" to 40"	0.97
Rockbound very gravelly loam	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions 70-90% by wt.	0.76			AWC < 2" to 40"	1.00
				Surface sand fractions 70-90% by wt.	0.76	Fragments (gravel-size) >50%	1.00
Roadcat	3	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC < 2" to 40"	1.00
		Surface sand fractions 70-90% by wt.	0.74			Fragments (gravel-size) >50%	1.00
		Slopes 15 to 25%	0.02	Surface sand fractions 70-90% by wt.	0.74	Slopes > 15%	1.00
Cagwin	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
Cassenai gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.28
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7489:							
Meeks, rubbly	80	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10")	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	>3% coverage		AWC 2-4" to 40"	0.94
				Slopes > 40%	1.00		
Burnlake	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10")	1.00	Fragments (gravel-size) >50%	1.00
		Surface fragments <3" >65%	1.00	>3% coverage		Slopes > 15%	1.00
		Slopes 15 to 25%	0.32	Surface fragments <3" >65%	1.00	AWC 2-4" to 40"	0.97
Rockbound very stony loam	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10")	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	>3% coverage		Slopes > 15%	1.00
		Surface sand fractions > 90% by wt.	0.99	Slopes > 40%	1.00	Coarse sand or sand surface	1.00
				Surface sand fractions > 90% by wt.	0.99		
Roadcat	3	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10")	1.00	AWC < 2" to 40"	1.00
		Surface sand fractions 70-90% by wt.	0.74	>3% coverage		Fragments (gravel-size) >50%	1.00
		Slopes 15 to 25%	0.02	Surface sand fractions 70-90% by wt.	0.74	Slopes > 15%	1.00
Cassenai gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Cagwin	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7489:							
Toem	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
						Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
7491:							
Oneidas	80	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Saturation < 12" depth	1.00
						AWC 2-4" to 40"	0.10
Jabu	10	No limitations		No limitations		No limitations	
Christopher loamy coarse sand	3	No limitations		No limitations		No limitations	
Meeks, stony	3	No limitations		No limitations		Limitations	
						AWC 2-4" to 40"	0.94
Gefo gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	AWC 2-4" to 40"	0.92
						Fragments (gravel size) 25-50%	0.84
						Loamy coarse sand surface	0.50
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
7492:							
Oneidas	80	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Saturation < 12" depth	1.00
						Slopes 8 to 15%	0.16
						AWC 2-4" to 40"	0.10
Jabu	10	No limitations		No limitations		Limitations	
						Slopes > 15%	1.00
Christopher loamy coarse sand	3	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7492:							
Meeks, stony	3	No limitations		No limitations		Limitations	
						AWC 2-4" to 40"	0.94
						Slopes 8 to 15%	0.16
Gefo gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	AWC 2-4" to 40"	0.92
						Fragments (gravel size) 25-50%	0.84
						Loamy coarse sand surface	0.50
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
7500:							
Rock outcrop, granitic	90	Not rated		Not rated		Not rated	
Rockbound very stony loam	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Surface sand fractions > 90% by wt.	0.99	Surface sand fractions > 90% by wt.	0.99	Coarse sand or sand surface	1.00
Rubble land	2	Not rated		Not rated		Not rated	
Toem	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
						Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Windyridge	2	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.88	Surface fragments (>10") .1-3% coverage	0.76	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.76			Slopes > 15%	1.00
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	AWC < 2" to 40"	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7500:							
Freelpeak	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.08	Slopes > 40%	1.00	Fragments (gravel-size) >50%	1.00
				Surface fragments (>3") 25-75%	0.08		
Jobsis	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00			Slopes > 15%	1.00
		Surface sand fractions 70-90% by wt.	0.70	Slopes > 40%	1.00	AWC < 2" to 40"	1.00
				Surface sand fractions 70-90% by wt.	0.70		
7501:							
Rock outcrop, granitic	50	Not rated		Not rated		Not rated	
Rockbound very gravelly loam	30	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions 70-90% by wt.	0.76			AWC < 2" to 40"	1.00
				Surface sand fractions 70-90% by wt.	0.76	Fragments (gravel-size) >50%	1.00
Dagget, moist	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.96
						Slopes 8 to 15%	0.16
Meeks, rubbly	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.94
						Slopes 8 to 15%	0.16
Temo	5	Limitations		Limitations		Limitations	
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Coarse sand or sand surface	1.00
						AWC < 2" to 40"	1.00
Witefels	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.97
						Slopes 8 to 15%	0.16
						Bedrock depth 20 to 40"	0.06

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7502:							
Rock outcrop, granitic--	50	Not rated		Not rated		Not rated	
Rockbound very stony loam----------	25	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00			Slopes > 15%	1.00
		Surface sand fractions > 90% by wt.	0.99	Slopes > 40%	1.00	Coarse sand or sand surface	1.00
				Surface sand fractions > 90% by wt.	0.99		
Dagget, moist----------	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.96
Glenalpine----------	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.12			AWC 2-4" to 40"	0.64
				Surface fragments (>3") 25-75%	0.12		
Rubble land----------	5	Not rated		Not rated		Not rated	
Temo----------	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface sand fractions > 90% by wt.	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions > 90% by wt.	1.00			Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	Coarse sand or sand surface	1.00
				Surface fragments (>10") >3% coverage	1.00		
Witefels----------	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.97
						Bedrock depth 20 to 40"	0.06
7511:							
Shalgran----------	70	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface sand fractions > 90% by wt.	1.00	Slopes > 15%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface fragments (>10") >3% coverage	1.00	Coarse sand or sand surface	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	AWC < 2" to 40"	1.00
Rock outcrop----------	15	Not rated		Not rated		Not rated	

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7511:							
Sofgran	6	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Surface sand fractions 70-90% by wt.	0.74	Surface sand fractions 70-90% by wt.	0.74	AWC < 2" to 40"	1.00
						Loamy coarse sand surface	0.50
Dystric Xerorthents	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface sand fractions > 90% by wt.	1.00	Slopes > 15%	1.00
		Surface sand fractions > 90% by wt.	1.00	Slopes > 40%	1.00	Coarse sand or sand surface	1.00
		Fragments >3" 25 to 75%	0.35	Surface fragments (>3") 25-75%	0.35	Fragments > 3" > 30%	1.00
Burnlake	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes 25 to 40%	0.50	Slopes > 15%	1.00
						Fragments (gravel-size) >50%	1.00
						AWC 2-4" to 40"	0.97
Jobsis	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Temo	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Surface sand fractions 70-90% by wt.	0.82	Surface sand fractions 70-90% by wt.	0.82	AWC < 2" to 40"	1.00
						Bedrock depth < 20"	1.00
7521:							
Tallac, very stony	75	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	AWC 2-4" to 40"	0.44
Tallac, rubbly	10	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.44
Tallac, moderately well drained	9	No limitations		No limitations		Limitations	
						AWC 2-4" to 40"	0.44

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7521:							
Meeks, extremely bouldery	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.94
						Slopes 8 to 15%	0.16
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
7522:							
Tallac, very stony	85	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.92	Surface fragments (>10") .1-3% coverage	0.76	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76			AWC 2-4" to 40"	0.44
Meeks, extremely bouldery	10	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.94
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Cagwin	1	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
Cassenai gravelly loamy coarse sand	1	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.28
Dagget, moist	1	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.96
Rockbound very gravelly loam	1	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions 70-90% by wt.	0.76	Surface sand fractions 70-90% by wt.	0.76	AWC < 2" to 40"	1.00
						Fragments (gravel-size) >50%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7523:							
Tallac, very stony------	85	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	AWC 2-4" to 40"	0.44
Meeks, extremely bouldery----------	10	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.94
				Slopes > 40%	1.00		
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Cagwin------------------	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
Cassenai gravelly loamy coarse sand----------	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28
Dagget, moist-----------	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.96
				Slopes > 40%	1.00		
Rockbound very stony loam-------------------	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00			Slopes > 15%	1.00
		Surface sand fractions > 90% by wt.	0.99	Slopes > 40%	1.00	Coarse sand or sand surface	1.00
				Surface sand fractions > 90% by wt.	0.99		
7524:							
Tallac, moderately well drained----------	80	No limitations		No limitations		Limitations	
						AWC 2-4" to 40"	0.44

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7524:							
Tallac, moderately well drained, 5 to 9 percent slopes	10	No limitations		No limitations		Limitations AWC 2-4" to 40"	0.44
Meeks, very stony	5	Limitations Fragments >10" .1 to 3%	0.94	Limitations Surface fragments (>10") .1-3% coverage	0.94	Limitations AWC 2-4" to 40"	0.94
Callat	4	Limitations Slopes 15 to 25% Fragments >10" .1 to 3%	0.50 0.06	Limitations Surface fragments (>10") .1-3% coverage	0.06	Limitations AWC < 2" to 40" Slopes > 15%	1.00 1.00
Tahoe, gravelly	1	Limitations Saturation < 12" depth Organic surface layer >= 4" thick Ponding (any duration)	1.00 1.00 1.00	Limitations Saturation < 12" depth Organic surface layer >= 4" thick Ponding (any duration)	1.00 1.00 1.00	Limitations Ponding (any duration) Saturation < 12" depth Organic surface layer >= 4" thick	1.00 1.00 1.00
7525:							
Tallac, moderately well drained	80	No limitations		No limitations		Limitations AWC 2-4" to 40"	0.44
Tallac, moderately well drained, 0 to 5 percent slopes	10	No limitations		No limitations		Limitations AWC 2-4" to 40"	0.44
Meeks, extremely bouldery	5	Limitations Fragments >10" >3%	1.00	Limitations Surface fragments (>10") >3% coverage	1.00	Limitations AWC 2-4" to 40" Slopes 8 to 15%	0.94 0.16
Callat	4	Limitations Slopes 15 to 25% Fragments >10" .1 to 3%	0.50 0.06	Limitations Surface fragments (>10") .1-3% coverage	0.06	Limitations AWC < 2" to 40" Slopes > 15%	1.00 1.00
Tahoe, gravelly	1	Limitations Saturation < 12" depth Organic surface layer >= 4" thick Ponding (any duration)	1.00 1.00 1.00	Limitations Saturation < 12" depth Organic surface layer >= 4" thick Ponding (any duration)	1.00 1.00 1.00	Limitations Ponding (any duration) Saturation < 12" depth Organic surface layer >= 4" thick	1.00 1.00 1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7526:							
Tallac, rubbly----------	85	Limitations Fragments >10" >3%	1.00	Limitations Surface fragments (>10") >3% coverage	1.00	Limitations AWC 2-4" to 40"	0.44
Tallac, moderately well drained----------	10	No limitations		No limitations		Limitations AWC 2-4" to 40"	0.44
Tallac, very stony------	4	Limitations Fragments >10" .1 to 3%	0.76	Limitations Surface fragments (>10") .1-3% coverage	0.76	Limitations AWC 2-4" to 40"	0.44
Aquic Xerorthents-------	1	Limitations Frequent flooding	0.50	Limitations Frequent flooding	0.50	Limitations Frequent flooding Slopes 8 to 15%	0.90 0.16
7531:							
Toem--------------------	45	Limitations Slopes 15 to 25%	0.50	No limitations		Limitations Bedrock depth < 20" AWC < 2" to 40" Slopes > 15%	1.00 1.00 1.00
Rock outcrop, granitic--	40	Not rated		Not rated		Not rated	
Cagwin------------------	10	Limitations Fragments >10" >3% Slopes 15 to 25%	1.00 0.92	Limitations Surface fragments (>10") >3% coverage	1.00	Limitations Slopes > 15% AWC 2-4" to 40" Bedrock depth 20 to 40"	1.00 0.99 0.71
Cassenai gravelly loamy coarse sand-----------	5	Limitations Fragments >10" >3% Slopes 15 to 25%	1.00 0.92	Limitations Surface fragments (>10") >3% coverage	1.00	Limitations Slopes > 15% AWC 2-4" to 40"	1.00 0.28
7532:							
Toem--------------------	45	Limitations Slopes > 25%	1.00	Limitations Slopes > 40%	1.00	Limitations Bedrock depth < 20" Slopes > 15% AWC < 2" to 40"	1.00 1.00 1.00
Rock outcrop, granitic--	40	Not rated		Not rated		Not rated	

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7532:							
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.99
				Slopes > 40%	1.00	Bedrock depth 20 to 40"	0.71
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.96
				Slopes > 40%	1.00		
7533:							
Toem	45	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
						Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Rock outcrop, granitic	40	Not rated		Not rated		Not rated	
Cagwin	10	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.28
7541:							
Ubaj	80	No limitations		No limitations		No limitations	
Christopher loamy coarse sand	5	No limitations		No limitations		No limitations	
Jabu	5	No limitations		No limitations		No limitations	

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
7541:							
Oneidas	5	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Saturation < 12" depth	1.00
						AWC 2-4" to 40"	0.10
Gefo gravelly loamy coarse sand	3	Limitations		Limitations		Limitations	
		Surface sand fractions 70-90% by wt.	0.30	Surface sand fractions 70-90% by wt.	0.30	AWC 2-4" to 40"	0.92
						Fragments (gravel size) 25-50%	0.84
						Loamy coarse sand surface	0.50
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
9001:							
Bidart mucky silt loam	50	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
						Occasional flooding	0.80
Bidart, wet	30	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
Tahoe, gravelly	5	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
Tahoe silt loam	5	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
						Occasional flooding	0.80
Watah	5	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9001:							
Water	3	Not rated		Not rated		Not rated	
Hellhole	2	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
9011:							
Oxyaquic Cryorthents	30	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Aquic Xerorthents	28	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Tahoe, gravelly	15	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Organic surface layer >= 4" thick	1.00	Organic surface layer >= 4" thick	1.00	Saturation < 12" depth	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Organic surface layer >= 4" thick	1.00
Bidart mucky silt loam	10	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
						Occasional flooding	0.80
Watah	10	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Saturation < 12" depth	1.00
		Frequent flooding	0.50	Frequent flooding	0.50	Frequent flooding	0.90
Marla	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22	Saturation from 12 to 24" depth	0.22
Riverwash	2	Not rated		Not rated		Not rated	

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9101:							
Callat	82	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.50	Surface fragments (>10") .1-3% coverage	0.06	AWC < 2" to 40"	1.00
		Fragments >10" .1 to 3%	0.06			Slopes > 15%	1.00
Glenalpine	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.12			AWC 2-4" to 40"	0.64
				Surface fragments (>3") 25-75%	0.12		
Meeks, extremely bouldery	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.94
Tallac, very stony	5	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.92	Surface fragments (>10") .1-3% coverage	0.76	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76			AWC 2-4" to 40"	0.44
Rock outcrop	2	Not rated		Not rated		Not rated	
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9102:							
Callat	82	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.47	Surface fragments (>10") .1-3% coverage	0.47	AWC < 2" to 40"	1.00
Glenalpine	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Fragments > 3" > 30%	1.00
		Fragments >3" 25 to 75%	0.12			AWC 2-4" to 40"	0.64
				Surface fragments (>3") 25-75%	0.12		

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9102:							
Meeks, extremely bouldery	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	AWC 2-4" to 40"	0.94
Tallac, very stony	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	AWC 2-4" to 40"	0.44
Rock outcrop	2	Not rated		Not rated		Not rated	
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9111:							
Florand	40	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes 25 to 40%	0.50	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Fragments (gravel size) 25-50%	0.99
						Fragments >3" 5 to 30%	0.32
Lostridge	30	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes 25 to 40%	0.50	Slopes > 15%	1.00
						Fragments (gravel-size) >50%	1.00
						Bedrock depth 20 to 40"	0.54
Fishsnooze	15	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes 25 to 40%	0.50	Slopes > 15%	1.00
						Fragments (gravel size) 25-50%	0.99
						AWC 2-4" to 40"	0.69
Aquic Haplocryolls	3	Limitations		Limitations		Limitations	
		Fragments >3" 25 to 75%	0.26	Surface fragments (>3") 25-75%	0.26	Fragments > 3" > 30%	1.00
						AWC 2-4" to 40"	0.52
						Fragments (gravel size) 25-50%	0.08

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9111:							
Lithnip, moist----------	3	Limitations		Limitations		Limitations	
		Surface fragments <3" >65%	1.00	Surface fragments <3" >65%	1.00	Bedrock depth < 20"	1.00
		Slopes 15 to 25%	0.32			Fragments (gravel-size) >50%	1.00
						AWC < 2" to 40"	1.00
Stumpatil----------	3	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.32			Slopes > 15%	1.00
						Fragments (gravel size) 25-50%	0.96
						AWC 2-4" to 40"	0.48
Lithnip----------	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Surface fragments <3" >65%	1.00	Surface fragments <3" >65%	1.00	Slopes > 15%	1.00
						Fragments (gravel-size) >50%	1.00
Morscour----------	2	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.32			Bedrock depth < 20"	1.00
						AWC < 2" to 40"	1.00
						Fragments (gravel-size) >50%	1.00
Typic Cryaquolls--------	2	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Saturation < 12" depth	1.00
		Slopes 15 to 25%	0.02			Fragments (gravel-size) >50%	1.00
						AWC < 2" to 40"	1.00
9121:							
Watsonlake----------	80	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.16
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
Jorge very cobbly fine sandy loam----------	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes 8 to 15%	0.16
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9121:							
Sky	5	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
						AWC 2-4" to 40"	0.93
						Bedrock depth 20 to 40"	0.90
Tahoma	5	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	Slopes 8 to 15%	0.04
Waca	2	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Ellispeak	1	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.50	Surface fragments (>10") .1-3% coverage	0.19	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19			AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	Slopes > 15%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Rock outcrop	1	Not rated		Not rated		Not rated	
9122:							
Watsonlake	80	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
		Slopes 15 to 25%	0.92				
Jorge very cobbly fine sandy loam	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
		Slopes 15 to 25%	0.92				
Tahoma	5	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.92	Surface fragments (>10") .1-3% coverage	0.76	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76				

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9122:							
Waca	5	Limitations		Limitations		Limitations	
		Very dusty	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.50			AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Sky	2	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
						AWC 2-4" to 40"	0.93
						Bedrock depth 20 to 40"	0.90
Ellispeak	1	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.50	Surface fragments (>10") .1-3% coverage	0.19	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19			AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	Slopes > 15%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Rock outcrop	1	Not rated		Not rated		Not rated	
9123:							
Watsonlake	80	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Surface fragments (>10") >3% coverage	1.00		
		Fragments >10" >3%	1.00	Slopes > 40%	1.00		
Jorge very cobbly fine sandy loam	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Slopes > 40%	1.00		
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
Tahoma	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76		

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9123:							
Waca	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Slopes > 40%	1.00	AWC 2-4" to 40"	0.19
						Bedrock depth 20 to 40"	0.01
Sky	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						AWC 2-4" to 40"	0.93
						Bedrock depth 20 to 40"	0.90
Ellispeak	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Slopes > 15%	1.00
		Fragments >3" 25 to 75%	0.01	Surface fragments (>3") 25-75%	0.01	AWC < 2" to 40"	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Rock outcrop	1	Not rated		Not rated		Not rated	
9131:							
Lithnip	40	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Surface fragments <3" >65%	1.00	Surface fragments <3" >65%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Fragments (gravel-size) >50%	1.00
Meiss	30	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Slopes 25 to 40%	0.50	Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Hawkinspeak	15	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	Fragments (gravel size) 25-50%	0.59
						AWC 2-4" to 40"	0.29

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9131:							
Lostridge	4	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes 25 to 40%	0.50	Slopes > 15%	1.00
						Fragments (gravel-size) >50%	1.00
						Bedrock depth 20 to 40"	0.54
Fishsnooze	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						Fragments (gravel-size) >50%	1.00
						AWC 2-4" to 40"	0.69
Rock outcrop	3	Not rated		Not rated		Not rated	
Hawkinspeak, moist	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						Fragments (gravel size) 25-50%	0.59
						AWC 2-4" to 40"	0.29
Aspocket	1	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	Slopes > 15%	1.00
		Slopes 15 to 25%	0.08			Fragments >3" 5 to 30%	0.32
						Fragments (gravel size) 25-50%	0.15
Hawkridge	1	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.32	Surface fragments (>3") 25-75%	0.32	Bedrock depth < 20"	1.00
		Fragments >3" 25 to 75%	0.32			AWC < 2" to 40"	1.00
						Fragments > 3" > 30%	1.00
Typic Cryaquolls	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Saturation < 12" depth	1.00
						Fragments (gravel-size) >50%	1.00
						AWC < 2" to 40"	1.00
9141:							
Melody	55	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9141:							
Rock outcrop, volcanic--	25	Not rated		Not rated		Not rated	
Sky----------	10	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
						AWC 2-4" to 40"	0.93
						Bedrock depth 20 to 40"	0.90
Mountrose----------	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.62
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Loamy coarse sand surface	0.50
Wardcreek----------	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.58	Surface fragments (>3") 25-75%	0.58	Fragments > 3" > 30%	1.00
Lithnip----------	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Surface fragments <3" >65%	1.00	Surface fragments <3" >65%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Fragments (gravel-size) >50%	1.00
Meiss----------	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Slopes 25 to 40%	0.50	Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9142:							
Melody----------	55	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9142:							
Rock outcrop, volcanic--	25	Not rated		Not rated		Not rated	
Sky----------	10	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						AWC 2-4" to 40"	0.93
						Bedrock depth 20 to 40"	0.90
Mountrose----------	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.62
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Loamy coarse sand surface	0.50
Wardcreek----------	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.58	Surface fragments (>3") 25-75%	0.58	Fragments > 3" > 30%	1.00
Lithnip----------	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Surface fragments <3" >65%	1.00	Surface fragments <3" >65%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Fragments (gravel-size) >50%	1.00
Meiss----------	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Slopes 25 to 40%	0.50	Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9143:							
Melody----------	55	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9143:							
Rock outcrop, volcanic--	25	Not rated		Not rated		Not rated	
Sky----------	10	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						AWC 2-4" to 40"	0.93
						Bedrock depth 20 to 40"	0.90
Mountrose----------	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.62
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Loamy coarse sand surface	0.50
Wardcreek----------	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.58	Surface fragments (>3") 25-75%	0.58	Fragments > 3" > 30%	1.00
Lithnip----------	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Surface fragments <3" >65%	1.00	Surface fragments <3" >65%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Fragments (gravel-size) >50%	1.00
Meiss----------	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Slopes 25 to 40%	0.50	Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9151:							
Shakespeare----------	80	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
Deerhill----------	5	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.50	Surface fragments (>10") .1-3% coverage	0.19	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19				

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9151:							
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.62
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Loamy coarse sand surface	0.50
Melody	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.58	Surface fragments (>3") 25-75%	0.58	Fragments > 3" > 30%	1.00
Dagget very gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	AWC 2-4" to 40"	0.96
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Temo	1	Limitations		Limitations		Limitations	
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.82			Coarse sand or sand surface	1.00
Witefels	1	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.97
						Bedrock depth 20 to 40"	0.06

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9152:							
Shakespeare	80	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.47	Surface fragments (>10") .1-3% coverage	0.47		
Deerhill	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19		
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.62
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Loamy coarse sand surface	0.50
Melody	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.58	Surface fragments (>3") 25-75%	0.58	Fragments > 3" > 30%	1.00
Dagget very gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	AWC 2-4" to 40"	0.96
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9152:							
Temo	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface sand fractions > 90% by wt.	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions > 90% by wt.	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Coarse sand or sand surface	1.00
Witefels	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.97
						Bedrock depth 20 to 40"	0.06
9161:							
Sky	80	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
						AWC 2-4" to 40"	0.93
						Bedrock depth 20 to 40"	0.90
Melody	10	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.62
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Loamy coarse sand surface	0.50
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.58	Surface fragments (>3") 25-75%	0.58	Fragments > 3" > 30%	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Surface fragments <3" >65%	1.00	Surface fragments <3" >65%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Fragments (gravel-size) >50%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9161:							
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Slopes 25 to 40%	0.50	Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9162:							
Sky	80	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						AWC 2-4" to 40"	0.93
						Bedrock depth 20 to 40"	0.90
Melody	10	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00			Slopes > 15%	1.00
		Very dusty	1.00	Slopes > 40%	1.00	AWC < 2" to 40"	1.00
				Very dusty	1.00		
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.62
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Loamy coarse sand surface	0.50
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.58	Surface fragments (>3") 25-75%	0.58	Fragments > 3" > 30%	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Surface fragments <3" >65%	1.00	Surface fragments <3" >65%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Fragments (gravel-size) >50%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9162:							
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Slopes 25 to 40%	0.50	Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9163:							
Sky	80	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						AWC 2-4" to 40"	0.93
						Bedrock depth 20 to 40"	0.90
Melody	10	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Very dusty	1.00			AWC < 2" to 40"	1.00
				Very dusty	1.00		
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.62
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Loamy coarse sand surface	0.50
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.58	Surface fragments (>3") 25-75%	0.58	Fragments > 3" > 30%	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Surface fragments <3" >65%	1.00	Surface fragments <3" >65%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Fragments (gravel-size) >50%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9163:							
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Slopes 25 to 40%	0.50	Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9164:							
Sky	50	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Slopes > 15%	1.00
						AWC 2-4" to 40"	0.93
						Bedrock depth 20 to 40"	0.90
Melody	40	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00			AWC < 2" to 40"	1.00
		Slopes 15 to 25%	0.50	Very dusty	1.00	Slopes > 15%	1.00
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.62
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Loamy coarse sand surface	0.50
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.58	Surface fragments (>3") 25-75%	0.58	Fragments > 3" > 30%	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Surface fragments <3" >65%	1.00	Surface fragments <3" >65%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Fragments (gravel-size) >50%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9164:							
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Slopes 25 to 40%	0.50	Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9165:							
Sky	50	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						AWC 2-4" to 40"	0.93
						Bedrock depth 20 to 40"	0.90
Melody	40	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00			Slopes > 15%	1.00
		Very dusty	1.00	Slopes > 40%	1.00	AWC < 2" to 40"	1.00
				Very dusty	1.00		
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.62
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Loamy coarse sand surface	0.50
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.58	Surface fragments (>3") 25-75%	0.58	Fragments > 3" > 30%	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Surface fragments <3" >65%	1.00	Surface fragments <3" >65%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Fragments (gravel-size) >50%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9165:							
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Slopes 25 to 40%	0.50	Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9166:							
Sky	50	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						AWC 2-4" to 40"	0.93
						Bedrock depth 20 to 40"	0.90
Melody	40	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.62
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Loamy coarse sand surface	0.50
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.58	Surface fragments (>3") 25-75%	0.58	Fragments > 3" > 30%	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Surface fragments <3" >65%	1.00	Surface fragments <3" >65%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.19	Surface fragments (>10") .1-3% coverage	0.19	Fragments (gravel-size) >50%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9166:							
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Slopes 25 to 40%	0.50	Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9171:							
Mountrose	35	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.62
		Surface sand fractions 70-90% by wt.	0.88	Surface sand fractions 70-90% by wt.	0.88	Loamy coarse sand surface	0.50
Wardcreek	25	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.58	Surface fragments (>3") 25-75%	0.58	Fragments > 3" > 30%	1.00
Melody	20	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Very dusty	1.00	Very dusty	1.00	AWC < 2" to 40"	1.00
Meiss	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Very dusty	1.00	Bedrock depth < 20"	1.00
		Very dusty	1.00	Slopes 25 to 40%	0.50	Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Rock outcrop	5	Not rated		Not rated		Not rated	
Rubble land	5	Not rated		Not rated		Not rated	
Sky	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						AWC 2-4" to 40"	0.93
						Bedrock depth 20 to 40"	0.90

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9401:							
Dagget very gravelly loamy coarse sand------	75	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10")	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.82	>3% coverage		AWC 2-4" to 40"	0.96
Temo----------	5	Limitations		Limitations		Limitations	
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Bedrock depth < 20"	1.00
						Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10")	1.00	Coarse sand or sand surface	1.00
		Slopes 15 to 25%	0.82	>3% coverage			
Witefels----------	4	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10")	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92	>3% coverage		AWC 2-4" to 40"	0.97
						Bedrock depth 20 to 40"	0.06
Jobsis----------	3	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10")	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions 70-90% by wt.	0.70	>3% coverage		AWC < 2" to 40"	1.00
				Surface sand fractions 70-90% by wt.	0.70	Slopes > 15%	1.00
		Slopes 15 to 25%	0.32				
Rock outcrop----------	3	Not rated		Not rated		Not rated	
Whittell----------	3	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10")	1.00	AWC < 2" to 40"	1.00
		Slopes 15 to 25%	0.32	>3% coverage		Slopes > 15%	1.00
						Bedrock depth 20 to 40"	0.26
Cagwin----------	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10")	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92	>3% coverage		AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
Cassenai, moist---------	2	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.92	Surface fragments (>10")	0.76	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76	.1-3% coverage		AWC 2-4" to 40"	0.03
Toem----------	2	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.50			Bedrock depth < 20"	1.00
						AWC < 2" to 40"	1.00
						Slopes > 15%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9401:							
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9402:							
Dagget very gravelly loamy coarse sand------	75	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.96
				Slopes > 40%	1.00		
Temo---------------------	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface sand fractions > 90% by wt.	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions > 90% by wt.	1.00			Slopes > 15%	1.00
				Slopes > 40%	1.00	Coarse sand or sand surface	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00		
Witefels----------------	4	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.97
						Bedrock depth 20 to 40"	0.06
Jobsis------------------	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00			Slopes > 15%	1.00
		Surface sand fractions 70-90% by wt.	0.70	Slopes > 40%	1.00	AWC < 2" to 40"	1.00
				Surface sand fractions 70-90% by wt.	0.70		
Rock outcrop------------	3	Not rated		Not rated		Not rated	
Whittell----------------	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC < 2" to 40"	1.00
				Slopes > 40%	1.00	Bedrock depth 20 to 40"	0.26
Cagwin------------------	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.99
				Slopes > 40%	1.00	Bedrock depth 20 to 40"	0.71

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9402:							
Cassenai, moist	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	AWC 2-4" to 40"	0.03
Toem	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
						Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9403:							
Dagget very gravelly loamy coarse sand	75	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.96
Temo	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Coarse sand or sand surface	1.00
Witefels	4	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.97
						Bedrock depth 20 to 40"	0.06
Jobsis	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	AWC < 2" to 40"	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9403:							
Whittell	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC < 2" to 40"	1.00
				Slopes > 40%	1.00	Bedrock depth 20 to 40"	0.26
Cagwin	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
Cassenai, moist	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	AWC 2-4" to 40"	0.03
Toem	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
						Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9404:							
Dagget, moist	80	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.96
						Slopes 8 to 15%	0.16
Cassenai, moist	5	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	Slopes 8 to 15%	0.16
						AWC 2-4" to 40"	0.03
Rockbound very gravelly loam	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions 70-90% by wt.	0.76			AWC < 2" to 40"	1.00
				Surface sand fractions 70-90% by wt.	0.76	Fragments (gravel-size) >50%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9404:							
Jobsis	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	AWC < 2" to 40"	1.00
		Slopes 15 to 25%	0.32			Slopes > 15%	1.00
Oxyaquic Cryorthents	2	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Temo	2	Limitations		Limitations		Limitations	
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Coarse sand or sand surface	1.00
						AWC < 2" to 40"	1.00
Whittell	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC < 2" to 40"	1.00
		Slopes 15 to 25%	0.32			Slopes > 15%	1.00
						Bedrock depth 20 to 40"	0.26
Witefels	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.97
						Slopes 8 to 15%	0.16
						Bedrock depth 20 to 40"	0.06
9405:							
Dagget, moist	80	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.96
Cassenai, moist	5	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.92	Surface fragments (>10") .1-3% coverage	0.76	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76			AWC 2-4" to 40"	0.03
Rockbound very gravelly loam	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions 70-90% by wt.	0.76	Surface sand fractions 70-90% by wt.	0.76	AWC < 2" to 40"	1.00
						Fragments (gravel-size) >50%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9405:							
Jobsis	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	AWC < 2" to 40"	1.00
		Slopes 15 to 25%	0.32			Slopes > 15%	1.00
Oxyaquic Cryorthents	2	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Temo	2	Limitations		Limitations		Limitations	
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.82			Coarse sand or sand surface	1.00
Whittell	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC < 2" to 40"	1.00
		Slopes 15 to 25%	0.32			Slopes > 15%	1.00
						Bedrock depth 20 to 40"	0.26
Witefels	2	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.97
						Bedrock depth 20 to 40"	0.06
9406:							
Dagget, moist	80	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	AWC 2-4" to 40"	0.96
Cassenai, moist	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	AWC 2-4" to 40"	0.03

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9406:							
Rockbound very stony loam	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Surface sand fractions > 90% by wt.	0.99	Surface sand fractions > 90% by wt.	0.99	Coarse sand or sand surface	1.00
Jobsis	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	AWC < 2" to 40"	1.00
Oxyaquic Cryorthents	2	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
Temo	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Coarse sand or sand surface	1.00
Whittell	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC < 2" to 40"	1.00
				Slopes > 40%	1.00	Bedrock depth 20 to 40"	0.26
Witefels	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.97
						Bedrock depth 20 to 40"	0.06
9407:							
Dagget, moist	55	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.96
				Slopes > 40%	1.00		

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9407:							
Rock outcrop, granitic--	25	Not rated		Not rated		Not rated	
Temo----------	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Coarse sand or sand surface	1.00
Witefels----------	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.97
						Bedrock depth 20 to 40"	0.06
Whittell----------	4	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	AWC < 2" to 40"	1.00
						Bedrock depth 20 to 40"	0.26
Cassenai, moist---------	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	AWC 2-4" to 40"	0.03
Jobsis----------	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	AWC < 2" to 40"	1.00
Oxyaquic Cryorthents----	2	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9411:							
Freelpeak----------	50	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.08	Surface fragments (>3") 25-75%	0.08	Fragments (gravel-size) >50%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9411:							
Windyridge	25	Limitations		Limitations		Limitations	
		Slopes 15 to 25%	0.88	Surface fragments (>10") .1-3% coverage	0.76	Bedrock depth < 20"	1.00
		Fragments >10" .1 to 3%	0.76			Slopes > 15%	1.00
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	AWC < 2" to 40"	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Jobsis	8	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Slopes > 25%	1.00			Slopes > 15%	1.00
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	AWC < 2" to 40"	1.00
				Slopes 25 to 40%	0.50		
Whittell	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
						Bedrock depth 20 to 40"	0.26
Waterpeak	2	Limitations		Limitations		Limitations	
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Coarse sand or sand surface	1.00
		Slopes > 25%	1.00			Fragments > 3" > 30%	0.99
				Slopes 25 to 40%	0.50		
Buggin	1	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Slopes > 25%	1.00			Slopes > 15%	1.00
		Surface sand fractions 70-90% by wt.	0.74	Surface sand fractions 70-90% by wt.	0.74	AWC < 2" to 40"	1.00
				Slopes 25 to 40%	0.50		
Glaciers	1	Not rated		Not rated		Not rated	
9421:							
Jobsis	45	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions 70-90% by wt.	0.70			AWC < 2" to 40"	1.00
		Slopes 15 to 25%	0.32	Surface sand fractions 70-90% by wt.	0.70	Slopes > 15%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9421:							
Whittell	25	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.32			AWC < 2" to 40"	1.00
						Slopes > 15%	1.00
						Bedrock depth 20 to 40"	0.26
Rock outcrop	15	Not rated		Not rated		Not rated	
Typic Cryorthents, 8 to 30 percent slopes	4	Limitations		Limitations		Limitations	
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.35	Surface fragments (>3") 25-75%	0.35	Fragments > 3" > 30%	1.00
		Slopes 15 to 25%	0.32			Slopes > 15%	1.00
Windyridge	3	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	Bedrock depth < 20"	1.00
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	AWC < 2" to 40"	1.00
		Slopes 15 to 25%	0.32			Fragments (gravel-size) >50%	1.00
Klauspeak	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Surface sand fractions 70-90% by wt.	0.84	Surface sand fractions 70-90% by wt.	0.84	AWC 2-4" to 40"	0.92
						Fragments >3" 5 to 30%	0.26
Shalgran	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface sand fractions > 90% by wt.	1.00	Slopes > 15%	1.00
		Surface sand fractions > 90% by wt.	1.00	Slopes > 40%	1.00	Coarse sand or sand surface	1.00
		Fragments >3" 25 to 75%	0.35	Surface fragments (>3") 25-75%	0.35	AWC < 2" to 40"	1.00
Buggin	1	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions 70-90% by wt.	0.74	Surface sand fractions 70-90% by wt.	0.74	AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.35	Surface fragments (>3") 25-75%	0.35	Fragments > 3" > 30%	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9421:							
Typic Cryorthents, 4 to 30 percent slopes	1	Limitations		Limitations		Limitations	
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	Bedrock depth < 20"	1.00
						AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.35	Surface fragments (>3") 25-75%	0.35	Fragments > 3" > 30%	1.00
		Slopes 15 to 25%	0.02				
Waterpeak	1	Limitations		Limitations		Limitations	
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Coarse sand or sand surface	1.00
						Slopes > 15%	1.00
		Slopes 15 to 25%	0.32	Surface fragments (>3") 25-75%	0.02	Fragments > 3" > 30%	0.99
		Fragments >3" 25 to 75%	0.02				
9431:							
Sofgran	40	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes > 25%	1.00			AWC < 2" to 40"	1.00
		Surface sand fractions 70-90% by wt.	0.74	Surface sand fractions 70-90% by wt.	0.74	Loamy coarse sand surface	0.50
				Slopes 25 to 40%	0.50		
Klauspeak	30	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes > 25%	1.00			AWC 2-4" to 40"	0.92
		Surface sand fractions 70-90% by wt.	0.84	Surface sand fractions 70-90% by wt.	0.84	Fragments (gravel size) 25-50%	0.13
				Slopes 25 to 40%	0.50		
Temo	15	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes > 25%	1.00			AWC < 2" to 40"	1.00
		Surface sand fractions 70-90% by wt.	0.82	Surface sand fractions 70-90% by wt.	0.82	Bedrock depth < 20"	1.00
				Slopes 25 to 40%	0.50		
Rock outcrop	4	Not rated		Not rated		Not rated	
Shalgran	4	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface sand fractions > 90% by wt.	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions > 90% by wt.	1.00			Slopes > 15%	1.00
				Slopes > 40%	1.00	Coarse sand or sand surface	1.00
		Fragments >3" 25 to 75%	0.35	Surface fragments (>3") 25-75%	0.35		

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9431:							
Xeric Humicryepts	3	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface sand fractions 70-90% by wt.	0.84	Slopes > 15%	1.00
		Surface sand fractions 70-90% by wt.	0.84	Slopes 25 to 40%	0.50	AWC 2-4" to 40"	0.92
						Fragments >3" 5 to 30%	0.79
Stumpatil	2	Limitations		No limitations		Limitations	
		Slopes 15 to 25%	0.32			Slopes > 15%	1.00
						Fragments (gravel size) 25-50%	0.96
						AWC 2-4" to 40"	0.48
Aquic Haplocryolls	1	Limitations		Limitations		Limitations	
		Fragments >3" 25 to 75%	0.26	Surface fragments (>3") 25-75%	0.26	Fragments > 3" > 30%	1.00
		Slopes 15 to 25%	0.02			Slopes > 15%	1.00
						AWC 2-4" to 40"	0.52
Hopeval	1	Limitations		Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 12" depth	1.00	Saturation < 12" depth	1.00
						Occasional flooding	0.80
9441:							
Temo	45	Limitations		Limitations		Limitations	
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Coarse sand or sand surface	1.00
						AWC < 2" to 40"	1.00
Witefels	35	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.97
						Slopes 8 to 15%	0.16
						Bedrock depth 20 to 40"	0.06
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.82			AWC 2-4" to 40"	0.96
Cagwin	4	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
						Slopes 8 to 15%	0.16

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9441:							
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9442:							
Temo----------	45	Limitations		Limitations		Limitations	
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.82			Coarse sand or sand surface	1.00
Witefels----------	35	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.97
						Bedrock depth 20 to 40"	0.06
Rock outcrop----------	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand------	5	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.82			AWC 2-4" to 40"	0.96
Cagwin----------	4	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Slopes 15 to 25%	0.92			AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9443:							
Temo----------	45	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface sand fractions > 90% by wt.	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions > 90% by wt.	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Coarse sand or sand surface	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9443:							
Witefels	35	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.97
						Bedrock depth 20 to 40"	0.06
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.96
				Slopes > 40%	1.00		
Cagwin	4	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00			AWC 2-4" to 40"	0.99
				Slopes > 40%	1.00	Bedrock depth 20 to 40"	0.71
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9444:							
Temo	45	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface sand fractions > 90% by wt.	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Coarse sand or sand surface	1.00
Witefels	35	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.97
						Bedrock depth 20 to 40"	0.06
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.96

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9444:							
Cagwin	4	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	AWC 2-4" to 40"	0.99
						Bedrock depth 20 to 40"	0.71
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Frequent flooding	0.50	Frequent flooding	0.50	AWC < 2" to 40"	0.99
						Frequent flooding	0.90
						Slopes 8 to 15%	0.16
9451:							
Waterpeak	80	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface sand fractions > 90% by wt.	1.00	Slopes > 15%	1.00
		Surface sand fractions > 90% by wt.	1.00	Surface fragments (>10") >3% coverage	1.00	Coarse sand or sand surface	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	Fragments > 3" > 30%	0.99
Rock outcrop	10	Not rated		Not rated		Not rated	
Shalgran	4	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface sand fractions > 90% by wt.	1.00	Slopes > 15%	1.00
		Surface sand fractions > 90% by wt.	1.00	Slopes > 40%	1.00	Coarse sand or sand surface	1.00
		Fragments >3" 25 to 75%	0.35	Surface fragments (>3") 25-75%	0.35	AWC < 2" to 40"	1.00
Typic Cryorthents	4	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface sand fractions 70-90% by wt.	0.70	Slopes > 15%	1.00
		Surface sand fractions 70-90% by wt.	0.70	Slopes 25 to 40%	0.50	AWC < 2" to 40"	1.00
		Fragments >3" 25 to 75%	0.35	Surface fragments (>3") 25-75%	0.35	Fragments > 3" > 30%	1.00
Pachic Haplocryolls	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface sand fractions > 90% by wt.	1.00	Slopes > 15%	1.00
		Surface sand fractions > 90% by wt.	1.00	Slopes > 40%	1.00	Coarse sand or sand surface	1.00
						Fragments >3" 5 to 30%	0.79

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9461:							
Whittell	45	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
						AWC < 2" to 40"	1.00
						Bedrock depth 20 to 40"	0.26
Jobsis	25	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00			Slopes > 15%	1.00
		Surface sand fractions 70-90% by wt.	0.70	Slopes > 40%	1.00	AWC < 2" to 40"	1.00
				Surface sand fractions 70-90% by wt.	0.70		
Rock outcrop	15	Not rated		Not rated		Not rated	
Jobsis, 8 to 30 percent slopes	4	Limitations		Limitations		Limitations	
		Fragments >10" >3%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	AWC < 2" to 40"	1.00
		Slopes 15 to 25%	0.32			Slopes > 15%	1.00
Windyridge	4	Limitations		Limitations		Limitations	
		Fragments >10" .1 to 3%	0.76	Surface fragments (>10") .1-3% coverage	0.76	Bedrock depth < 20"	1.00
		Surface sand fractions 70-90% by wt.	0.70	Surface sand fractions 70-90% by wt.	0.70	AWC < 2" to 40"	1.00
		Slopes 15 to 25%	0.32			Fragments (gravel-size) >50%	1.00
Klauspeak	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface sand fractions 70-90% by wt.	0.84	Slopes > 15%	1.00
		Surface sand fractions 70-90% by wt.	0.84	Slopes 25 to 40%	0.56	AWC 2-4" to 40"	0.92
						Fragments >3" 5 to 30%	0.26
Shalgran	2	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface sand fractions > 90% by wt.	1.00	Slopes > 15%	1.00
		Surface sand fractions > 90% by wt.	1.00	Slopes > 40%	1.00	Coarse sand or sand surface	1.00
		Fragments >3" 25 to 75%	0.35	Surface fragments (>3") 25-75%	0.35	AWC < 2" to 40"	1.00

Table 15b.--Recreational Development--Continued

Map symbol and component name	Pct. of map unit	Paths and trails		Off-road motorcycle trails		Lawns, landscaping, and golf fairways	
		Limitations	Value	Limitations	Value	Limitations	Value
9461:							
Buggin	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface fragments (>10") >3% coverage	1.00	Bedrock depth < 20"	1.00
		Fragments >10" >3%	1.00	Slopes > 40%	1.00	Slopes > 15%	1.00
		Surface sand fractions 70-90% by wt.	0.74	Surface sand fractions 70-90% by wt.	0.74	AWC < 2" to 40"	1.00
Typic Cryorthents	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface sand fractions 70-90% by wt.	0.70	Bedrock depth < 20"	1.00
		Surface sand fractions 70-90% by wt.	0.70	Slopes 25 to 40%	0.56	Slopes > 15%	1.00
		Fragments >3" 25 to 75%	0.35	Surface fragments (>3") 25-75%	0.35	AWC < 2" to 40"	1.00
Waterpeak	1	Limitations		Limitations		Limitations	
		Slopes > 25%	1.00	Surface sand fractions > 90% by wt.	1.00	Slopes > 15%	1.00
		Surface sand fractions > 90% by wt.	1.00	Slopes > 40%	1.00	Coarse sand or sand surface	1.00
		Fragments >3" 25 to 75%	0.02	Surface fragments (>3") 25-75%	0.02	Fragments > 3" > 30%	0.99
W:							
Water	100	Not rated		Not rated		Not rated	

The interpretation for paths and trails evaluates the following soil properties at variable depths in the soil: flooding; ponding; wetness; slope; fragments less than, equal to, or more than 3 inches in size; clay and sand content in the surface layer; surface fragments more than or equal to 10 inches in size; Unified classes for a high content of organic matter (PT, OL, and OH); soil dustiness; and the hazard of water erosion.

The interpretation for off-road motorcycle trails evaluates the following soil properties at variable depths in the soil: flooding; ponding; wetness; slope; soil dustiness; fragments less than, equal to, or more than 3 inches in size; sand or clay content in the surface layer; and Unified classes for a high content of organic matter (PT, OL, and OH).

The interpretation for lawns, landscaping, and golf fairways evaluates the following soil properties at variable depths in the soil: flooding; ponding; wetness; slope; depth to bedrock; depth to a cemented pan; fragments less than, equal to, or more than 3 inches in size; Unified class for a high content of organic matter (PT, OL, and OH); soil dustiness; sand or clay content in the surface layer; surface fragments more than or equal to 10 inches in size; pH; salinity (EC); sodium content (SAR); calcium carbonates; and sulfur content.

Table 16a.--Building Site Development

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. The rating is based on the limitation with the highest value. Only the three highest value limitations are listed. There may be more limitations. Fine-earth fractions and coarse fragments are reported on a weight basis. An explanation of the rating criteria and of the abbreviations used in describing the limitations is given at the end of the table)

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7011:							
Beaches	64	Not rated		Not rated		Not rated	
Oxyaquic Xeropsamments	10	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Watah	7	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Gefo, barrier beach	6	No limitations		No limitations		No limitations	
Marla	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90
Cagwin	1	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Bedrock (soft) from 20 to 40"	0.71	Slopes > 8%	1.00
				Slopes 8 to 15%	0.16		
Cassenai gravelly loamy coarse sand	1	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Dunes	1	Not rated		Not rated		Not rated	
Jorge very gravelly sandy loam	1	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Slopes > 8%	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7011:							
Tahoe silt loam	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Tahoma	1	Limitations		Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14	Slopes > 8%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments (>3") 25 to 50%	0.14
Toem	1	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
7021:							
Hellhole	80	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Subsidence > 12"	1.00	Subsidence > 12"	1.00	Subsidence	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
Bidart, wet	10	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Watah	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Water	5	Not rated		Not rated		Not rated	
7031:							
Pits	45	Not rated		Not rated		Not rated	
Dumps	45	Not rated		Not rated		Not rated	
Arents	5	Not rated		Not rated		Not rated	
Xerorthents	5	Not rated		Not rated		Not rated	

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7041:							
Tahoe silt loam---------	55	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Tahoe silt loam, wet----	25	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Marla-------------------	10	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90
Tahoe, gravelly---------	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Watah-------------------	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
7042:							
Tahoe, gravelly---------	55	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Tahoe, gravelly, wet----	25	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Marla-------------------	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7042:							
Riverwash	5	Not rated		Not rated		Not rated	
Tahoe silt loam	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Watah	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
7043:							
Tahoe, drained	80	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Organic matter (PT, OL, or OH)	1.00	Saturation < 2.5' depth	1.00	Organic matter (PT, OL, or OH)	1.00
Marla	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90
Tahoe, gravelly	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Tahoe silt loam, wet	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Watah	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7051:							
Oxyaquic Xerorthents----	60	Limitations		Limitations		Limitations	
		Organic matter (PT, OL, or OH)	1.00	Organic matter (PT, OL, or OH)	1.00	Organic matter (PT, OL, or OH)	1.00
				Saturation from 2.5' to 6' depth	0.89		
Water----------	38	Not rated		Not rated		Not rated	
Marla----------	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90
Watah----------	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
7061:							
Urban land----------	100	Not rated		Not rated		Not rated	
7071:							
Watah----------	75	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Tahoe, gravelly, wet----	9	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Tahoe silt loam, wet----	8	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Marla----------	3	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7071:							
Bidart, wet	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Water	2	Not rated		Not rated		Not rated	
Hellhole	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Subsidence > 12"	1.00	Subsidence > 12"	1.00	Subsidence	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
7101:							
Caverock	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.77		
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Deerhill	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Genoapeak	2	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") >50%	1.00
Southcamp	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Shrink-swell (LEP 3-6)	0.18	Shrink-swell (LEP 3-6)	0.18	Shrink-swell (LEP 3-6)	0.18
Zephyrcove	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.11		

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7101:							
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
7111:							
Deerhill	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Cagwin	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Shakespeare	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Shrink-swell (LEP 3-6)	0.89		
				Saturation from 2.5' to 6' depth	0.61		
Southcamp	3	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") >50%	1.00
		Shrink-swell (LEP 3-6)	0.18	Shrink-swell (LEP 3-6)	0.18	Shrink-swell (LEP 3-6)	0.18
Zephyrcove	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.11		
Genoapeak	2	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") >50%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7112:							
Deerhill	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Cagwin	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Shakespeare	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Shrink-swell (LEP 3-6)	0.89		
				Saturation from 2.5' to 6' depth	0.61		
Southcamp	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Shrink-swell (LEP 3-6)	0.18	Shrink-swell (LEP 3-6)	0.18	Shrink-swell (LEP 3-6)	0.18
Zephyrcove	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.11		
Genoapeak	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7121:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop, volcanic	40	Not rated		Not rated		Not rated	
Waca	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Kneeridge, well drained	2	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Paige	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
7122:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop, volcanic	40	Not rated		Not rated		Not rated	
Waca	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Kneeridge, well drained	3	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7122:							
Paige	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
7123:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop, volcanic	40	Not rated		Not rated		Not rated	
Waca	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Kneeridge, well drained	3	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Paige	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
7131:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Waca	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Rock outcrop	10	Not rated		Not rated		Not rated	

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7131:							
Windy	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
7132:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Waca	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
7133:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Waca	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Rock outcrop	10	Not rated		Not rated		Not rated	

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7133:							
Windy	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
7141:							
Inville	80	Limitations		Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13	Slopes 4 to 8%	0.50
						Fragments (>3") 25 to 50%	0.13
Christopher loamy coarse sand	10	No limitations		No limitations		Limitations	
						Slopes 4 to 8%	0.26
Cassenai gravelly loamy coarse sand	4	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Jorge very gravelly sandy loam	3	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Slopes > 8%	1.00
Kingsbeach	2	Limitations		Limitations		Limitations	
		Shrink-swell (LEP 3-6)	0.50	Shrink-swell (LEP >6)	1.00	Slopes 4 to 8%	0.50
				Saturation from 2.5' to 6' depth	0.15	Shrink-swell (LEP 3-6)	0.50
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
7142:							
Inville	80	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7142:							
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Christopher gravelly loamy coarse sand	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Jorge very gravelly sandy loam	3	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Slopes > 8%	1.00
Meeks, extremely bouldery	2	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments (>3") >50%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
7143:							
Inville	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Christopher gravelly loamy coarse sand	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Jorge very gravelly sandy loam	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7143:							
Meeks, extremely bouldery	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
7151:							
Jorge very cobbly fine sandy loam	80	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments (>3") >50%	1.00
Tahoma	5	Limitations		Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14	Slopes > 8%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments (>3") 25 to 50%	0.14
Waca	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Jorge very cobbly loam	4	Limitations		Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.24	Fragments (>3") 25 to 50%	0.24	Slopes > 8%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments (>3") 25 to 50%	0.24
Ellispeak	2	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Sky	2	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.90		

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7151:							
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Rock outcrop------------	1	Not rated		Not rated		Not rated	
7152:							
Jorge very cobbly fine sandy loam------------	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Tahoma------------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
Waca---------------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Jorge very cobbly loam--	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.24	Fragments (>3") 25 to 50%	0.24	Fragments (>3") 25 to 50%	0.24
Ellispeak---------------	2	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Sky----------------------	2	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.90		
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7152:							
Rock outcrop	1	Not rated		Not rated		Not rated	
7153:							
Jorge very cobbly fine sandy loam	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Tahoma	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
Waca	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Jorge very cobbly loam	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.24	Fragments (>3") 25 to 50%	0.24	Fragments (>3") 25 to 50%	0.24
Ellispeak	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Sky	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.90		
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Rock outcrop	1	Not rated		Not rated		Not rated	

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7154:							
Jorge very cobbly loam--	75	Limitations		Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.24	Fragments (>3") 25 to 50%	0.24	Slopes > 8%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments (>3") 25 to 50%	0.24
Rubble land----------	10	Not rated		Not rated		Not rated	
Tahoma----------	5	Limitations		Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14	Slopes > 8%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments (>3") 25 to 50%	0.14
Ellispeak----------	3	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop----------	3	Not rated		Not rated		Not rated	
Waca----------	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Tahoe, gravelly---------	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
7155:							
Jorge very cobbly loam--	75	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.24	Fragments (>3") 25 to 50%	0.24	Fragments (>3") 25 to 50%	0.24
Rubble land----------	10	Not rated		Not rated		Not rated	
Tahoma----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
Ellispeak----------	3	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7155:							
Rock outcrop	3	Not rated		Not rated		Not rated	
Waca	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
7156:							
Jorge very gravelly sandy loam	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Tahoma	35	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
Waca	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Inville	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7157:							
Jorge very gravelly sandy loam	55	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Tahoma	25	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
Waca	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Inville	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
7161:							
Kingsbeach	80	Limitations		Limitations		Limitations	
		Shrink-swell (LEP 3-6)	0.50	Shrink-swell (LEP >6)	1.00	Slopes 4 to 8%	0.50
				Saturation from 2.5' to 6' depth	0.15	Shrink-swell (LEP 3-6)	0.50
Tahoma	10	Limitations		Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14	Slopes > 8%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments (>3") 25 to 50%	0.14

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7161:							
Jorge very gravelly sandy loam	8	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Slopes > 8%	1.00
Beaches	1	Not rated		Not rated		Not rated	
Dunes	1	Not rated		Not rated		Not rated	
7171:							
Kneeridge, extremely stony	80	No limitations		No limitations		Limitations	
						Slopes 4 to 8%	0.26
Jorge very gravelly sandy loam	9	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Slopes > 8%	1.00
Paige	5	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Waca	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
7172:							
Kneeridge, well drained	80	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Jorge very gravelly sandy loam	9	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Slopes > 8%	1.00
Paige	5	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7172:							
Waca	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
7173:							
Kneeridge, very stony	80	No limitations		No limitations		No limitations	
Jorge very gravelly sandy loam	9	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Slopes > 8%	1.00
Paige	5	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Waca	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
7174:							
Kneeridge, very stony	80	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Jorge very gravelly sandy loam	9	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Slopes > 8%	1.00
Paige	5	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7174:							
Waca	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
7181:							
Paige	80	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Kneeridge, well drained	7	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Jorge very gravelly sandy loam	6	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Slopes > 8%	1.00
Tahoe, gravelly	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Waca	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
7182:							
Paige	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Jorge very gravelly sandy loam	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Tahoma	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7182:							
Waca	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Kneeridge, well drained	4	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
7183:							
Paige	84	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Jorge very gravelly sandy loam	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Tahoma	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
Waca	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
7191:							
Rock outcrop, volcanic	90	Not rated		Not rated		Not rated	
Glenalpine	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7191:							
Lithnip	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Meiss	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Melody	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Rubble land	2	Not rated		Not rated		Not rated	
7201:							
Rubble land, talus	45	Not rated		Not rated		Not rated	
Glenalpine	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Rockbound very stony loam	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99
7211:							
Southcamp	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Shrink-swell (LEP 3-6)	0.18	Shrink-swell (LEP 3-6)	0.18	Shrink-swell (LEP 3-6)	0.18
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Genoapeak	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7211:							
Zephyrcove	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.11		
Cagwin	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Deerhill	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
7221:							
Tahoma	80	Limitations		Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14	Slopes > 8%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments (>3") 25 to 50%	0.14
Waca	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Inville	4	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13
Rubble land	3	Not rated		Not rated		Not rated	
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7221:							
Ellispeak	1	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop	1	Not rated		Not rated		Not rated	
7222:							
Tahoma	50	Limitations		Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14	Slopes > 8%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments (>3") 25 to 50%	0.14
Jorge very gravelly sandy loam	30	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Slopes > 8%	1.00
Waca	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Inville	5	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7231:							
Waca	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Ellispeak	5	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Kneeridge, well drained	2	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Paige	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
7232:							
Waca	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Ellispeak	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7232:							
Kneeridge, well drained	2	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Paige	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Typic Epiaquents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Saturation < 18" depth	1.00
7233:							
Waca	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Ellispeak	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Kneeridge, well drained	2	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Paige	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7241:							
Zephyrcove	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.11		
Southcamp	20	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") >50%	1.00
		Shrink-swell (LEP 3-6)	0.18	Shrink-swell (LEP 3-6)	0.18	Shrink-swell (LEP 3-6)	0.18
Genoapeak	17	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") >50%	1.00
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Deerhill	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
7242:							
Zephyrcove	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.11		
Southcamp	20	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Shrink-swell (LEP 3-6)	0.18	Shrink-swell (LEP 3-6)	0.18	Shrink-swell (LEP 3-6)	0.18

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7242:							
Genoapeak	17	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Deerhill	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
7401:							
Burnlake	60	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Roadcat	25	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Hardtil	4	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock (hard) < 20" depth	1.00
Aquic Haplocryolls	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.01	Saturation from 2.5' to 6' depth	0.97	Fragments (>3") 25 to 50%	0.01
				Fragments (>3") 25 to 50%	0.01		
Aspetill	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.59	Fragments (>3") 25 to 50%	0.59	Fragments (>3") 25 to 50%	0.59

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7401:							
Cumulic Cryaquolls	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Saturation < 18" depth	1.00
Stumpatil	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Typic Haploxerepts	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
7411:							
Cagwin	50	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Bedrock (soft) from 20 to 40"	0.71	Slopes > 8%	1.00
				Slopes 8 to 15%	0.16		
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Toem	10	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Temo	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Witefels	2	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7411:							
Marla	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90
7412:							
Cagwin	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Toem	10	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Temo	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Witefels	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		
Marla	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7413:							
Cagwin	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Toem	10	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Temo	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Witefels	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		
Marla	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90
7414:							
Cagwin	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7414:							
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Toem	10	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Temo	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Witefels	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		
Marla	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90
7421:							
Cassenai gravelly loamy coarse sand	78	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Cagwin	12	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Bedrock (soft) from 20 to 40"	0.71	Slopes > 8%	1.00
				Slopes 8 to 15%	0.16		
Toem	4	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7421:							
Christopher loamy coarse sand	1	No limitations		No limitations		No limitations	
Christopher gravelly loamy coarse sand	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Marla	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90
7422:							
Cassenai gravelly loamy coarse sand	73	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Cagwin	12	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Toem	4	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Aquic Xerorthents	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Christopher gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Rock outcrop	2	Not rated		Not rated		Not rated	

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7423:							
Cassenai gravelly loamy coarse sand	78	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Cagwin	12	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Toem	4	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Christopher gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
7424:							
Cassenai gravelly loamy coarse sand	78	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Cagwin	12	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Toem	5	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Rock outcrop	4	Not rated		Not rated		Not rated	

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7424:							
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
7425:							
Cassenai, moist	80	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Bedrock (soft) from 20 to 40"	0.71	Slopes > 8%	1.00
				Slopes 8 to 15%	0.16		
Meeks, extremely bouldery	5	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments (>3") >50%	1.00
Tallac, very stony	5	No limitations		Limitations		Limitations	
				Saturation from 2.5' to 6' depth	0.47	Slopes 4 to 8%	0.74
Rock outcrop	2	Not rated		Not rated		Not rated	
Toem	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Marla	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90
7426:							
Cassenai, moist	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7426:							
Tallac, very stony------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Saturation from 2.5' to 6' depth	0.47		
Meeks, extremely bouldery----------	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Rock outcrop------------	2	Not rated		Not rated		Not rated	
Toem--------------------	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Marla--------------------	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90
7427:							
Cassenai, moist---------	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Cagwin------------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Meeks, extremely bouldery----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7427:							
Toem	5	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Rock outcrop	2	Not rated		Not rated		Not rated	
Tallac, very stony	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Saturation from 2.5' to 6' depth	0.47		
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
7428:							
Cassenai, moist	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Meeks, extremely bouldery	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Toem	5	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Rock outcrop	2	Not rated		Not rated		Not rated	
Tallac, very stony	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Saturation from 2.5' to 6' depth	0.47		

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7428:							
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
7431:							
Celio	80	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.81	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.81
Meeks, stony	7	Limitations		Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.97	Fragments (>3") 25 to 50%	0.97	Fragments (>3") 25 to 50%	0.97
						Slopes 4 to 8%	0.02
Tahoe, gravelly	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Marla	4	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90
Watah	4	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
7441:							
Christopher loamy coarse sand	80	No limitations		No limitations		Limitations	
						Slopes 4 to 8%	0.26
Gefo gravelly loamy coarse sand	10	No limitations		No limitations		No limitations	

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7441:							
Jabu	5	No limitations		Limitations Saturation from 2.5' to 6' depth	0.38	Limitations Slopes 4 to 8%	0.26
Oneidas	3	Limitations Saturation < 18" depth	1.00	Limitations Saturation < 2.5' depth	1.00	Limitations Saturation < 18" depth	1.00
Marla	2	Limitations Ponding (any duration) Flooding >= rare Saturation from 18 to 30" depth	1.00 1.00 0.90	Limitations Ponding (any duration) Flooding >= rare Saturation < 2.5' depth	1.00 1.00 1.00	Limitations Ponding (any duration) Flooding >= rare Saturation from 18 to 30" depth	1.00 1.00 0.90
7442:							
Christopher loamy coarse sand	80	Limitations Slopes > 15%	1.00	Limitations Slopes > 15%	1.00	Limitations Slopes > 8%	1.00
Gefo gravelly loamy coarse sand	10	Limitations Slopes 8 to 15%	0.16	Limitations Slopes 8 to 15%	0.16	Limitations Slopes > 8%	1.00
Jabu	5	Limitations Slopes > 15%	1.00	Limitations Slopes > 15% Saturation from 2.5' to 6' depth	1.00 0.38	Limitations Slopes > 8%	1.00
Oneidas	3	Limitations Saturation < 18" depth Slopes 8 to 15%	1.00 0.16	Limitations Saturation < 2.5' depth Slopes 8 to 15%	1.00 0.16	Limitations Slopes > 8% Saturation < 18" depth	1.00 1.00
Marla	2	Limitations Ponding (any duration) Flooding >= rare Saturation from 18 to 30" depth	1.00 1.00 0.90	Limitations Ponding (any duration) Flooding >= rare Saturation < 2.5' depth	1.00 1.00 1.00	Limitations Ponding (any duration) Flooding >= rare Saturation from 18 to 30" depth	1.00 1.00 0.90
7443:							
Christopher gravelly loamy coarse sand	80	Limitations Slopes > 15%	1.00	Limitations Slopes > 15%	1.00	Limitations Slopes > 8%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7443:							
Gefo gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Jabu	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Saturation from 2.5' to 6' depth	0.38		
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Saturation < 18" depth	1.00
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90
7444:							
Christopher loamy coarse sand	45	No limitations		No limitations		No limitations	
Gefo gravelly loamy coarse sand	35	No limitations		No limitations		No limitations	
Jabu	5	No limitations		Limitations		Limitations	
				Saturation from 2.5' to 6' depth	0.38	Slopes 4 to 8%	0.26
Marla	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90
Oneidas	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Ubaj	5	Limitations		Limitations		Limitations	
		Shrink-swell (LEP 3-6)	0.50	Shrink-swell (LEP >6)	1.00	Slopes 4 to 8%	0.50
				Saturation from 2.5' to 6' depth	0.15	Shrink-swell (LEP 3-6)	0.50

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7451:							
Gefo gravelly loamy coarse sand	80	No limitations		No limitations		No limitations	
Christopher loamy coarse sand	10	No limitations		No limitations		Limitations Slopes 4 to 8%	0.26
Jabu	5	No limitations		Limitations Saturation from 2.5' to 6' depth	0.38	Limitations Slopes 4 to 8%	0.26
Oneidas	3	Limitations Saturation < 18" depth	1.00	Limitations Saturation < 2.5' depth	1.00	Limitations Saturation < 18" depth	1.00
Marla	2	Limitations Ponding (any duration) Flooding >= rare Saturation from 18 to 30" depth	1.00 1.00 0.90	Limitations Ponding (any duration) Flooding >= rare Saturation < 2.5' depth	1.00 1.00 1.00	Limitations Ponding (any duration) Flooding >= rare Saturation from 18 to 30" depth	1.00 1.00 0.90
7452:							
Gefo gravelly loamy coarse sand	80	Limitations Slopes 8 to 15%	0.16	Limitations Slopes 8 to 15%	0.16	Limitations Slopes > 8%	1.00
Christopher loamy coarse sand	10	Limitations Slopes > 15%	1.00	Limitations Slopes > 15%	1.00	Limitations Slopes > 8%	1.00
Jabu	5	Limitations Slopes > 15%	1.00	Limitations Slopes > 15% Saturation from 2.5' to 6' depth	1.00 0.38	Limitations Slopes > 8%	1.00
Oneidas	3	Limitations Saturation < 18" depth Slopes 8 to 15%	1.00 0.16	Limitations Saturation < 2.5' depth Slopes 8 to 15%	1.00 0.16	Limitations Slopes > 8% Saturation < 18" depth	1.00 1.00
Marla	2	Limitations Ponding (any duration) Flooding >= rare Saturation from 18 to 30" depth	1.00 1.00 0.90	Limitations Ponding (any duration) Flooding >= rare Saturation < 2.5' depth	1.00 1.00 1.00	Limitations Ponding (any duration) Flooding >= rare Saturation from 18 to 30" depth	1.00 1.00 0.90

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7461:							
Jabu	80	No limitations		Limitations Saturation from 2.5' to 6' depth	0.38	Limitations Slopes 4 to 8%	0.26
Christopher loamy coarse sand	10	No limitations		No limitations		Limitations Slopes 4 to 8%	0.26
Oneidas	5	Limitations Saturation < 18" depth	1.00	Limitations Saturation < 2.5' depth	1.00	Limitations Saturation < 18" depth	1.00
Gefo gravelly loamy coarse sand	3	No limitations		No limitations		No limitations	
Marla	2	Limitations Ponding (any duration) Flooding >= rare Saturation from 18 to 30" depth	1.00 1.00 0.90	Limitations Ponding (any duration) Flooding >= rare Saturation < 2.5' depth	1.00 1.00 1.00	Limitations Ponding (any duration) Flooding >= rare Saturation from 18 to 30" depth	1.00 1.00 0.90
7462:							
Jabu	80	Limitations Slopes > 15%	1.00	Limitations Slopes > 15% Saturation from 2.5' to 6' depth	1.00 0.38	Limitations Slopes > 8%	1.00
Christopher loamy coarse sand	10	Limitations Slopes > 15%	1.00	Limitations Slopes > 15%	1.00	Limitations Slopes > 8%	1.00
Oneidas	5	Limitations Saturation < 18" depth Slopes 8 to 15%	1.00 0.16	Limitations Saturation < 2.5' depth Slopes 8 to 15%	1.00 0.16	Limitations Slopes > 8% Saturation < 18" depth	1.00 1.00
Gefo gravelly loamy coarse sand	3	Limitations Slopes 8 to 15%	0.16	Limitations Slopes 8 to 15%	0.16	Limitations Slopes > 8%	1.00
Marla	2	Limitations Ponding (any duration) Flooding >= rare Saturation from 18 to 30" depth	1.00 1.00 0.90	Limitations Ponding (any duration) Flooding >= rare Saturation < 2.5' depth	1.00 1.00 1.00	Limitations Ponding (any duration) Flooding >= rare Saturation from 18 to 30" depth	1.00 1.00 0.90

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7471:							
Marla	80	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90
Christopher loamy coarse sand	4	No limitations		No limitations		No limitations	
Gefo gravelly loamy coarse sand	4	No limitations		No limitations		No limitations	
Tahoe silt loam	4	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Ubaj	4	Limitations		Limitations		Limitations	
		Shrink-swell (LEP 3-6)	0.50	Shrink-swell (LEP >6)	1.00	Slopes 4 to 8%	0.50
				Saturation from 2.5' to 6' depth	0.15	Shrink-swell (LEP 3-6)	0.50
Watah	4	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
7481:							
Meeks, stony	85	Limitations		Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.97	Fragments (>3") 25 to 50%	0.97	Fragments (>3") 25 to 50%	0.97
						Slopes 4 to 8%	0.02
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Celio	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.81	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.81

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7481:							
Gefo gravelly loamy coarse sand	4	No limitations		No limitations		No limitations	
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
7482:							
Meeks, stony	80	Limitations		Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.97	Fragments (>3") 25 to 50%	0.97	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments (>3") 25 to 50%	0.97
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Oneidas	7	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Saturation < 18" depth	1.00
Celio	3	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.81	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.81
7483:							
Meeks, very stony	85	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99
						Slopes 4 to 8%	0.02
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Celio	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.81	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.81

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7483:							
Jabu	5	No limitations		Limitations Saturation from 2.5' to 6' depth	0.38	Limitations Slopes 4 to 8%	0.26
7484:							
Meeks, extremely bouldery	80	Limitations Fragments (>3") >50% Slopes 8 to 15%	1.00 0.16	Limitations Fragments (>3") >50% Slopes 8 to 15%	1.00 0.16	Limitations Slopes > 8% Fragments (>3") >50%	1.00 1.00
Burnlake	5	Limitations Slopes > 15%	1.00	Limitations Slopes > 15%	1.00	Limitations Slopes > 8%	1.00
Meeks, rubbly	5	Limitations Fragments (>3") >50% Slopes 8 to 15%	1.00 0.16	Limitations Fragments (>3") >50% Slopes 8 to 15%	1.00 0.16	Limitations Slopes > 8% Fragments (>3") >50%	1.00 1.00
Dagget, moist	3	Limitations Slopes 8 to 15%	0.16	Limitations Slopes 8 to 15%	0.16	Limitations Slopes > 8%	1.00
Tallac, very stony	3	No limitations		Limitations Saturation from 2.5' to 6' depth	0.47	Limitations Slopes 4 to 8%	0.74
Roadcat	2	Limitations Slopes > 15%	1.00	Limitations Slopes > 15%	1.00	Limitations Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations Flooding >= rare Slopes 8 to 15% Saturation from 18 to 30" depth	1.00 0.16 0.01	Limitations Flooding >= rare Saturation < 2.5' depth Slopes 8 to 15%	1.00 1.00 0.16	Limitations Slopes > 8% Flooding >= rare Saturation from 18 to 30" depth	1.00 1.00 0.01
Jabu	1	Limitations Slopes > 15%	1.00	Limitations Slopes > 15% Saturation from 2.5' to 6' depth	1.00 0.38	Limitations Slopes > 8%	1.00
7485:							
Meeks, extremely bouldery	80	Limitations Slopes > 15% Fragments (>3") >50%	1.00 1.00	Limitations Slopes > 15% Fragments (>3") >50%	1.00 1.00	Limitations Slopes > 8% Fragments (>3") >50%	1.00 1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7485:							
Burnlake	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Meeks, rubbly	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Dagget, moist	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Tallac, very stony	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Saturation from 2.5' to 6' depth	0.47		
Roadcat	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Jabu	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Saturation from 2.5' to 6' depth	0.38		
7486:							
Meeks, extremely bouldery	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Burnlake	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Meeks, rubbly	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7486:							
Dagget, moist	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Tallac, very stony	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Saturation from 2.5' to 6' depth	0.47		
Roadcat	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Jabu	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Saturation from 2.5' to 6' depth	0.38		
7487:							
Meeks, rubbly	80	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments (>3") >50%	1.00
Burnlake	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Rockbound very gravelly loam	5	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63	Bedrock (hard) < 20" depth	1.00
Roadcat	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Cagwin	2	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Bedrock (soft) from 20 to 40"	0.71	Slopes > 8%	1.00
				Slopes 8 to 15%	0.16		

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7487:							
Cassenai gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
7488:							
Meeks, rubbly	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Burnlake	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Rockbound very gravelly loam	5	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63	Bedrock (hard) < 20" depth	1.00
Roadcat	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Cagwin	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Cassenai gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7488:							
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
7489:							
Meeks, rubbly	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Burnlake	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Rockbound very stony loam	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99
Roadcat	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Cassenai gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Cagwin	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Rock outcrop	1	Not rated		Not rated		Not rated	

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7489:							
Rubble land	1	Not rated		Not rated		Not rated	
Toem	1	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
7491:							
Oneidas	80	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Jabu	10	No limitations		Limitations		Limitations	
				Saturation from 2.5' to 6' depth	0.38	Slopes 4 to 8%	0.26
Christopher loamy coarse sand	3	No limitations		No limitations		No limitations	
Meeks, stony	3	Limitations		Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.97	Fragments (>3") 25 to 50%	0.97	Fragments (>3") 25 to 50%	0.97
						Slopes 4 to 8%	0.02
Gefo gravelly loamy coarse sand	2	No limitations		No limitations		No limitations	
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90
7492:							
Oneidas	80	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Saturation < 18" depth	1.00
Jabu	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Saturation from 2.5' to 6' depth	0.38		
Christopher loamy coarse sand	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7492:							
Meeks, stony	3	Limitations		Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.97	Fragments (>3") 25 to 50%	0.97	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments (>3") 25 to 50%	0.97
Gefo gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90
7500:							
Rock outcrop, granitic	90	Not rated		Not rated		Not rated	
Rockbound very stony loam	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99
Rubble land	2	Not rated		Not rated		Not rated	
Toem	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Windyridge	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Freelpeak	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.24	Bedrock (soft) from 20 to 40"	0.46	Fragments (>3") 25 to 50%	0.24
				Fragments (>3") 25 to 50%	0.24		
Jobsis	1	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7501:							
Rock outcrop, granitic--	50	Not rated		Not rated		Not rated	
Rockbound very gravelly loam----------	30	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63	Bedrock (hard) < 20" depth	1.00
Dagget, moist----------	5	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Meeks, rubbly----------	5	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments (>3") >50%	1.00
Temo----------	5	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Witefels----------	5	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		
7502:							
Rock outcrop, granitic--	50	Not rated		Not rated		Not rated	
Rockbound very stony loam----------	25	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99
Dagget, moist----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Glenalpine----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Rubble land----------	5	Not rated		Not rated		Not rated	

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7502:							
Temo	5	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Witefels	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		
7511:							
Shalgran	70	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76
Rock outcrop	15	Not rated		Not rated		Not rated	
Sofgran	6	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Dystric Xerorthents	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13
				Bedrock (soft) from 20 to 40"	0.01		
Burnlake	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Jobsis	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) < 20" depth	0.99		
Temo	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
7521:							
Tallac, very stony	75	No limitations		Limitations		Limitations	
				Saturation from 2.5' to 6' depth	0.47	Slopes 4 to 8%	0.74

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7521:							
Tallac, rubbly----------	10	No limitations		Limitations Saturation from 2.5' to 6' depth	0.47	Limitations Slopes 4 to 8%	0.50
Tallac, moderately well drained----------	9	No limitations		Limitations Saturation from 2.5' to 6' depth	0.47	No limitations	
Meeks, extremely bouldery----------	5	Limitations Fragments (>3") >50% Slopes 8 to 15%	1.00 0.16	Limitations Fragments (>3") >50% Slopes 8 to 15%	1.00 0.16	Limitations Slopes > 8% Fragments (>3") >50%	1.00 1.00
Aquic Xerorthents-------	1	Limitations Flooding >= rare Slopes 8 to 15% Saturation from 18 to 30" depth	1.00 0.16 0.01	Limitations Flooding >= rare Saturation < 2.5' depth Slopes 8 to 15%	1.00 1.00 0.16	Limitations Slopes > 8% Flooding >= rare Saturation from 18 to 30" depth	1.00 1.00 0.01
7522:							
Tallac, very stony------	85	Limitations Slopes > 15%	1.00	Limitations Slopes > 15% Saturation from 2.5' to 6' depth	1.00 0.47	Limitations Slopes > 8%	1.00
Meeks, extremely bouldery----------	10	Limitations Slopes > 15% Fragments (>3") >50%	1.00 1.00	Limitations Slopes > 15% Fragments (>3") >50%	1.00 1.00	Limitations Slopes > 8% Fragments (>3") >50%	1.00 1.00
Aquic Xerorthents-------	1	Limitations Flooding >= rare Slopes 8 to 15% Saturation from 18 to 30" depth	1.00 0.16 0.01	Limitations Flooding >= rare Saturation < 2.5' depth Slopes 8 to 15%	1.00 1.00 0.16	Limitations Slopes > 8% Flooding >= rare Saturation from 18 to 30" depth	1.00 1.00 0.01
Cagwin------------------	1	Limitations Slopes > 15%	1.00	Limitations Slopes > 15% Bedrock (soft) from 20 to 40"	1.00 0.71	Limitations Slopes > 8%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7522:							
Cassenai gravelly loamy coarse sand	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Dagget, moist	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Rockbound very gravelly loam	1	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63	Bedrock (hard) < 20" depth	1.00
7523:							
Tallac, very stony	85	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Saturation from 2.5' to 6' depth	0.47		
Meeks, extremely bouldery	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Cagwin	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Cassenai gravelly loamy coarse sand	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Dagget, moist	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7523:							
Rockbound very stony loam	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99
7524:							
Tallac, moderately well drained	80	No limitations		Limitations		No limitations	
				Saturation from 2.5' to 6' depth	0.47		
Tallac, moderately well drained, 5 to 9 percent slopes	10	No limitations		Limitations		Limitations	
				Saturation from 2.5' to 6' depth	0.47	Slopes 4 to 8%	0.74
Meeks, very stony	5	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99
						Slopes 4 to 8%	0.02
Callat	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.01	Fragments (>3") 25 to 50%	0.01	Fragments (>3") 25 to 50%	0.01
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
7525:							
Tallac, moderately well drained	80	No limitations		Limitations		Limitations	
				Saturation from 2.5' to 6' depth	0.47	Slopes 4 to 8%	0.74
Tallac, moderately well drained, 0 to 5 percent stones	10	No limitations		Limitations		No limitations	
				Saturation from 2.5' to 6' depth	0.47		

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7525:							
Meeks, extremely bouldery	5	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments (>3") >50%	1.00
Callat	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.01	Fragments (>3") 25 to 50%	0.01	Fragments (>3") 25 to 50%	0.01
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
7526:							
Tallac, rubbly	85	No limitations		Limitations		Limitations	
				Saturation from 2.5' to 6' depth	0.47	Slopes 4 to 8%	0.50
Tallac, moderately well drained	10	No limitations		Limitations		Limitations	
				Saturation from 2.5' to 6' depth	0.47	Slopes 4 to 8%	0.74
Tallac, very stony	4	No limitations		Limitations		Limitations	
				Saturation from 2.5' to 6' depth	0.47	Slopes 4 to 8%	0.74
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
7531:							
Toem	45	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Rock outcrop, granitic	40	Not rated		Not rated		Not rated	

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7531:							
Cagwin	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
7532:							
Toem	45	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Rock outcrop, granitic	40	Not rated		Not rated		Not rated	
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
7533:							
Toem	45	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Rock outcrop, granitic	40	Not rated		Not rated		Not rated	
Cagwin	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
7541:							
Ubaj	80	Limitations		Limitations		Limitations	
		Shrink-swell (LEP 3-6)	0.50	Shrink-swell (LEP >6)	1.00	Slopes 4 to 8%	0.50
				Saturation from 2.5' to 6' depth	0.15	Shrink-swell (LEP 3-6)	0.50
Christopher loamy coarse sand	5	No limitations		No limitations		Limitations	
						Slopes 4 to 8%	0.26
Jabu	5	No limitations		Limitations		Limitations	
				Saturation from 2.5' to 6' depth	0.38	Slopes 4 to 8%	0.26
Oneidas	5	Limitations		Limitations		Limitations	
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Gefo gravelly loamy coarse sand	3	No limitations		No limitations		No limitations	
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90
9001:							
Bidart mucky silt loam	50	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Bidart, wet	30	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Tahoe, gravelly	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9001:							
Tahoe silt loam---------	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Watah-------------------	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Water-------------------	3	Not rated		Not rated		Not rated	
Hellhole----------------	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Subsidence > 12"	1.00	Subsidence > 12"	1.00	Subsidence	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
9011:							
Oxyaquic Cryorthents----	30	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Aquic Xerorthents-------	28	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Tahoe, gravelly---------	15	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Bidart mucky silt loam--	10	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
Watah-------------------	10	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9011:							
Marla	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.90	Saturation < 2.5' depth	1.00	Saturation from 18 to 30" depth	0.90
Riverwash	2	Not rated		Not rated		Not rated	
9101:							
Callat	82	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.01	Fragments (>3") 25 to 50%	0.01	Fragments (>3") 25 to 50%	0.01
Glenalpine	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Meeks, extremely bouldery	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Tallac, very stony	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Saturation from 2.5' to 6' depth	0.47		
Rock outcrop	2	Not rated		Not rated		Not rated	
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
9102:							
Callat	82	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.01	Fragments (>3") 25 to 50%	0.01	Fragments (>3") 25 to 50%	0.01
Glenalpine	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9102:							
Meeks, extremely bouldery	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Tallac, very stony	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Saturation from 2.5' to 6' depth	0.47		
Rock outcrop	2	Not rated		Not rated		Not rated	
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
9111:							
Florand	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Lostridge	30	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.54		
Fishsnooze	15	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.90	Bedrock (hard) < 40" depth	1.00	Fragments (>3") 25 to 50%	0.90
		Bedrock (hard) from 20 to 40"	0.10	Fragments (>3") 25 to 50%	0.90	Bedrock (hard) from 20 to 40"	0.10
Aquic Haplocryolls	3	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Saturation from 2.5' to 6' depth	0.97	Slopes > 8%	1.00
		Fragments <>3") 25 to 50%	0.01	Slopes 8 to 15%	0.04	Fragments (>3") 25 to 50%	0.01
				Fragments (>3") 25 to 50%	0.01		
Lithnip, moist	3	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock (hard) < 20" depth	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9111:							
Stumpatil	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Lithnip	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Morscour	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Typic Cryaquolls	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Saturation < 18" depth	1.00
9121:							
Watsonlake	80	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Jorge very cobbly fine sandy loam	5	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Fragments (>3") >50%	1.00
Sky	5	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.90		
Tahoma	5	Limitations		Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14	Slopes > 8%	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04	Fragments (>3") 25 to 50%	0.14
Waca	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9121:							
Ellispeak	1	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Rock outcrop	1	Not rated		Not rated		Not rated	
9122:							
Watsonlake	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Jorge very cobbly fine sandy loam	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Tahoma	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
Waca	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Sky	2	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.90		
Ellispeak	1	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9122:							
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Rock outcrop----------	1	Not rated		Not rated		Not rated	
9123:							
Watsonlake----------	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Jorge very cobbly fine sandy loam----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Tahoma----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
Waca----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.01		
Sky----------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.90		
Ellispeak----------	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Rock outcrop----------	1	Not rated		Not rated		Not rated	

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9131:							
Lithnip	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Meiss	30	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Hawkinspeak	15	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) from 20 to 40"	0.20	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) from 20 to 40"	0.20
Lostridge	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.54		
Fishsnooze	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.89	Bedrock (hard) < 40" depth	1.00	Fragments (>3") 25 to 50%	0.89
		Bedrock (hard) from 20 to 40"	0.10	Fragments (>3") 25 to 50%	0.89	Bedrock (hard) from 20 to 40"	0.10
Rock outcrop	3	Not rated		Not rated		Not rated	
Hawkinspeak, moist	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) from 20 to 40"	0.20	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) from 20 to 40"	0.20
Aspocket	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.27	Fragments (>3") 25 to 50%	0.27	Fragments (>3") 25 to 50%	0.27
Hawkridge	1	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Bedrock (hard) < 20" depth	1.00
Typic Cryaquolls	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Saturation < 18" depth	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9141:							
Melody	55	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Bedrock (hard) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") >50%	1.00
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	
Sky	10	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.90		
Mountrose	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Wardcreek	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) from 20 to 40"	0.84	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) from 20 to 40"	0.84
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
9142:							
Melody	55	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9142:							
Rock outcrop, volcanic--	25	Not rated		Not rated		Not rated	
Sky	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.90		
Mountrose	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Wardcreek	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) from 20 to 40"	0.84	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) from 20 to 40"	0.84
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
9143:							
Melody	55	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Rock outcrop, volcanic--	25	Not rated		Not rated		Not rated	

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9143:							
Sky	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.90		
Mountrose	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Wardcreek	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) from 20 to 40"	0.84	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) from 20 to 40"	0.84
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
9151:							
Shakespeare	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Shrink-swell (LEP 3-6)	0.89		
				Saturation from 2.5' to 6' depth	0.61		
Deerhill	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9151:							
Melody	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) from 20 to 40"	0.84	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) from 20 to 40"	0.84
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Dagget very gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Temo	1	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Witefels	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		
9152:							
Shakespeare	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Shrink-swell (LEP 3-6)	0.89		
				Saturation from 2.5' to 6' depth	0.61		
Deerhill	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9152:							
Melody	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) from 20 to 40"	0.84	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) from 20 to 40"	0.84
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Dagget very gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Temo	1	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Witefels	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		
9161:							
Sky	80	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.90		
Melody	10	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Bedrock (hard) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") >50%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9161:							
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) from 20 to 40"	0.84	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) from 20 to 40"	0.84
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
9162:							
Sky	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.90		
Melody	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9162:							
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) from 20 to 40"	0.84	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) from 20 to 40"	0.84
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
9163:							
Sky	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.90		
Melody	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) from 20 to 40"	0.84	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) from 20 to 40"	0.84
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9163:							
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
9164:							
Sky	50	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.90		
Melody	40	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Bedrock (hard) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") >50%	1.00
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) from 20 to 40"	0.84	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) from 20 to 40"	0.84
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9164:							
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
9165:							
Sky----------	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.90		
Melody----------	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Mountrose----------	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Wardcreek----------	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) from 20 to 40"	0.84	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) from 20 to 40"	0.84
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Lithnip----------	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Meiss----------	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9166:							
Sky	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.90		
Melody	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) from 20 to 40"	0.84	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) from 20 to 40"	0.84
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
9171:							
Mountrose	35	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9171:							
Wardcreek	25	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) from 20 to 40"	0.84	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) from 20 to 40"	0.84
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Melody	20	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Meiss	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
Rock outcrop	5	Not rated		Not rated		Not rated	
Rubble land	5	Not rated		Not rated		Not rated	
Sky	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.90		
9401:							
Dagget very gravelly loamy coarse sand	75	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Temo	5	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Witefels	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		
Jobsis	3	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9401:							
Rock outcrop	3	Not rated		Not rated		Not rated	
Whittell	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.53	Fragments (>3") 25 to 50%	0.53	Fragments (>3") 25 to 50%	0.53
				Bedrock (soft) from 20 to 40"	0.26		
Cagwin	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Cassenai, moist	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Toem	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
9402:							
Dagget very gravelly loamy coarse sand	75	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Temo	5	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Witefels	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		
Jobsis	3	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9402:							
Rock outcrop	3	Not rated		Not rated		Not rated	
Whittell	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.53	Fragments (>3") 25 to 50%	0.53	Fragments (>3") 25 to 50%	0.53
				Bedrock (soft) from 20 to 40"	0.26		
Cagwin	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Cassenai, moist	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Toem	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
9403:							
Dagget very gravelly loamy coarse sand	75	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Temo	5	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Witefels	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		
Jobsis	3	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9403:							
Rock outcrop	3	Not rated		Not rated		Not rated	
Whittell	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.53	Fragments (>3") 25 to 50%	0.53	Fragments (>3") 25 to 50%	0.53
				Bedrock (soft) from 20 to 40"	0.26		
Cagwin	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Cassenai, moist	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Toem	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
9404:							
Dagget, moist	80	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Cassenai, moist	5	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Rockbound very gravelly loam	5	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63	Bedrock (hard) < 20" depth	1.00
Jobsis	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9404:							
Oxyaquic Cryorthents----	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Temo----------	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Whittell----------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.53	Fragments (>3") 25 to 50%	0.53	Fragments (>3") 25 to 50%	0.53
				Bedrock (soft) from 20 to 40"	0.26		
Witefels----------	2	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		
9405:							
Dagget, moist----------	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Cassenai, moist---------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Rockbound very gravelly loam----------	5	Limitations		Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63	Bedrock (hard) < 20" depth	1.00
Jobsis----------	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Oxyaquic Cryorthents----	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9405:							
Temo	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Whittell	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.53	Fragments (>3") 25 to 50%	0.53	Fragments (>3") 25 to 50%	0.53
				Bedrock (soft) from 20 to 40"	0.26		
Witefels	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		
9406:							
Dagget, moist	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Cassenai, moist	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Rockbound very stony loam	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00	Bedrock (hard) < 20" depth	1.00
		Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99
Jobsis	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Oxyaquic Cryorthents	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
Temo	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9406:							
Whittell	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.53	Fragments (>3") 25 to 50%	0.53	Fragments (>3") 25 to 50%	0.53
				Bedrock (soft) from 20 to 40"	0.26		
Witefels	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		
9407:							
Dagget, moist	55	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Rock outcrop, granitic	25	Not rated		Not rated		Not rated	
Temo	5	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Witefels	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		
Whittell	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.53	Fragments (>3") 25 to 50%	0.53	Fragments (>3") 25 to 50%	0.53
				Bedrock (soft) from 20 to 40"	0.26		
Cassenai, moist	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Jobsis	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Oxyaquic Cryorthents	2	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9411:							
Freelpeak	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.30	Fragments (>3") 25 to 50%	0.30	Fragments (>3") 25 to 50%	0.30
				Bedrock (soft) from 20 to 40"	0.06		
Windyridge	25	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Jobsis	8	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) < 20" depth	0.99		
Whittell	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.26		
Waterpeak	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76
Buggin	1	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.01	Fragments (>3") 25 to 50%	0.01	Fragments (>3") 25 to 50%	0.01
Glaciers	1	Not rated		Not rated		Not rated	
9421:							
Jobsis	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) < 20" depth	0.99		
Whittell	25	Limitations		Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.26		

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9421:							
Rock outcrop	15	Not rated		Not rated		Not rated	
Typic Cryorthents, 8 to 30 percent slopes	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Windyridge	4	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Klauspeak	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.07	Fragments (>3") 25 to 50%	0.07	Fragments (>3") 25 to 50%	0.07
Shalgran	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76
Buggin	1	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.01	Fragments (>3") 25 to 50%	0.01	Fragments (>3") 25 to 50%	0.01
Typic Cryorthents, 4 to 30 percent slopes	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) < 20" depth	0.99		
Waterpeak	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76
9431:							
Sofgran	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Klauspeak	30	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.05	Fragments (>3") 25 to 50%	0.05	Fragments (>3") 25 to 50%	0.05

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9431:							
Temo	15	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Rock outcrop	4	Not rated		Not rated		Not rated	
Shalgran	4	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76
Xeric Humicryepts	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Stumpatil	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Aquic Haplocryolls	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.01	Saturation from 2.5' to 6' depth	0.97	Fragments (>3") 25 to 50%	0.01
				Fragments (>3") 25 to 50%	0.01		
Hopeval	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Flooding >= rare	1.00
		Saturation < 18" depth	1.00	Saturation < 2.5' depth	1.00	Saturation < 18" depth	1.00
						Slopes 4 to 8%	0.26
9441:							
Temo	45	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Witefels	35	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9441:							
Cagwin	4	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Bedrock (soft) from 20 to 40"	0.71	Slopes > 8%	1.00
				Slopes 8 to 15%	0.16		
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
9442:							
Temo	45	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Witefels	35	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Cagwin	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
9443:							
Temo	45	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9443:							
Witefels	35	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Cagwin	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
9444:							
Temo	45	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
Witefels	35	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.06		
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Cagwin	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) from 20 to 40"	0.71		

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9444:							
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= rare	1.00	Flooding >= rare	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Saturation < 2.5' depth	1.00	Flooding >= rare	1.00
		Saturation from 18 to 30" depth	0.01	Slopes 8 to 15%	0.16	Saturation from 18 to 30" depth	0.01
9451:							
Waterpeak----------	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76
Rock outcrop----------	10	Not rated		Not rated		Not rated	
Shalgran----------	4	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76
Typic Cryorthents-------	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Pachic Haplocryolls-----	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
9461:							
Whittell----------	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
				Bedrock (soft) from 20 to 40"	0.26		
Jobsis----------	25	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) < 20" depth	0.99		
Rock outcrop----------	15	Not rated		Not rated		Not rated	
Jobsis, 8 to 30 percent slopes----------	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) < 20" depth	0.99		

Table 16a.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Limitations	Value	Limitations	Value	Limitations	Value
9461:							
Windyridge	4	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
Klauspeak	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.07	Fragments (>3") 25 to 50%	0.07	Fragments (>3") 25 to 50%	0.07
Shalgran	2	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76
Buggin	1	Limitations		Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.01	Fragments (>3") 25 to 50%	0.01	Fragments (>3") 25 to 50%	0.01
Typic Cryorthents	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
				Bedrock (soft) < 20" depth	0.99		
Waterpeak	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76
W:							
Water	100	Not rated		Not rated		Not rated	

The interpretation for dwellings without basements evaluates the following soil properties, some at variable depths in the soil: flooding, ponding, wetness, slope, subsidence of organic soils, shrink-swell expressed as linear extensibility percent (LEP), organic Unified classes for low soil strength (PT, OL, and OH), depth to hard or soft bedrock, depth to a thick or thin cemented pan, and fragments more than 3 inches in size.

The interpretation for dwellings with basements evaluates the following soil properties, some at variable depths in the soil: flooding, ponding, wetness, slope, subsidence of organic soils, shrink-swell potential expressed as linear extensibility percent (LEP), organic Unified classes for low strength (PT, OL, and OH), depth to hard or soft bedrock, depth to a thick or thin cemented pan, and fragments more than 3 inches in size.

The interpretation for small commercial buildings evaluates the following soil properties, some at variable depths in the soil: flooding, ponding, wetness, slope, subsidence of organic soils, shrink-swell potential expressed as linear extensibility percent (LEP), depth to hard or soft bedrock, depth to a thick or thin cemented pan, and fragments more than 3 inches in size.

Table 16b.--Building Site Development

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. The rating is based on the limitation with the highest value. Only the three highest value limitations are listed. There may be more limitations. Fine-earth fractions and coarse fragments are reported on a weight basis. An explanation of the rating criteria and of the abbreviations used in describing the limitations is given at the end of the table)

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7011:					
Beaches	64	Not rated		Not rated	
Oxyaquic Xeropsamments	10	Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
				Caving potential	1.00
Watah	7	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Gefo, barrier beach	6	No limitations		Limitations	
				Caving potential	1.00
Marla	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
Cagwin	1	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
				Slopes 8 to 15%	0.16
Cassenai gravelly loamy coarse sand	1	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
Dunes	1	Not rated		Not rated	
Jorge very gravelly sandy loam	1	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7011:					
Rock outcrop	1	Not rated		Not rated	
Tahoe silt loam	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Tahoma	1	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Toem	1	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	0.10
7021:					
Hellhole	80	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Subsidence > 12"	1.00	Organic matter (PT, OH, OL) below 20"	1.00
Bidart, wet	10	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Frequent or occasional flooding	0.50
Watah	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Water	5	Not rated		Not rated	
7031:					
Pits	45	Not rated		Not rated	
Dumps	45	Not rated		Not rated	
Arents	5	Not rated		Not rated	
Xerorthents	5	Not rated		Not rated	

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7041:					
Tahoe silt loam	55	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Tahoe silt loam, wet	25	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Marla	10	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
Tahoe, gravelly	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Watah	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7042:					
Tahoe, gravelly	55	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Tahoe, gravelly, wet	25	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Marla	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
Riverwash	5	Not rated		Not rated	

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7042:					
Tahoe silt loam	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Watah	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7043:					
Tahoe, drained	80	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Frost action very likely	1.00	Saturation < 2.5' depth	1.00
		Flooding >= occasional	1.00	Caving potential	1.00
Marla	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
Tahoe, gravelly	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Tahoe silt loam, wet	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Watah	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7051:					
Oxyaquic Xerorthents	60	No limitations		Limitations	
				Caving potential	1.00
				Organic matter (PT, OH, OL) below 20"	1.00
				Saturation from 2.5' to 6' depth	0.89

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7051:					
Water	38	Not rated		Not rated	
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
Watah	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7061:					
Urban land	100	Not rated		Not rated	
7071:					
Watah	75	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Tahoe, gravelly, wet	9	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Tahoe silt loam, wet	8	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Marla	3	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
Bidart, wet	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Frequent or occasional flooding	0.50
Water	2	Not rated		Not rated	

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7071:					
Hellhole	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Subsidence > 12"	1.00	Organic matter (PT, OH, OL) below 20"	1.00
7101:					
Caverock	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Bedrock (soft) from 20 to 40"	0.77
				Caving potential	0.10
Cagwin	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Deerhill	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Genoapeak	2	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Southcamp	2	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Zephyrcove	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.11

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7101:					
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
7111:					
Deerhill	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Cagwin	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Shakespeare	3	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
				Saturation from 2.5' to 6' depth	0.61
Southcamp	3	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Zephyrcove	3	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
				Bedrock (soft) from 20 to 40"	0.11
Genoapeak	2	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7112:					
Deerhill	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Cagwin	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Shakespeare	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.61
Southcamp	3	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Zephyrcove	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.11
Genoapeak	2	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7121:					
Ellispeak	45	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop, volcanic	40	Not rated		Not rated	
Waca	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Kneeridge, well drained	2	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Paige	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7122:					
Ellispeak	45	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop, volcanic	40	Not rated		Not rated	
Waca	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Kneeridge, well drained	3	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7122:					
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
Paige	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
7123:					
Ellispeak	45	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop, volcanic	40	Not rated		Not rated	
Waca	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Kneeridge, well drained	3	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
Paige	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
7131:					
Ellispeak	45	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7131:					
Waca	40	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Rock outcrop	10	Not rated		Not rated	
Windy	4	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
7132:					
Ellispeak	45	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Waca	40	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Rock outcrop	10	Not rated		Not rated	
Windy	4	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
7133:					
Ellispeak	45	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7133:					
Waca	40	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Rock outcrop	10	Not rated		Not rated	
Windy	4	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
7141:					
Inville	80	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13
Christopher loamy coarse sand	10	No limitations		Limitations	
				Caving potential	1.00
Cassenai gravelly loamy coarse sand	4	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
Jorge very gravelly sandy loam	3	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Kingsbeach	2	Limitations		Limitations	
		AASHTO GI >8 (low soil strength)	1.00	Saturation from 2.5' to 6' depth	0.15
		Shrink-swell (LEP 3-6)	0.50	Caving potential	0.10
		Frost action possible	0.50		
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7142:					
Inville	80	Limitations		Limitations	
		Slopes 8 to 15%	0.63	Caving potential	1.00
		Frost action possible	0.50	Slopes 8 to 15%	0.63
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
Christopher gravelly loamy coarse sand	4	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00
Jorge very gravelly sandy loam	3	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Meeks, extremely bouldery	2	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Caving potential	1.00
		Slopes 8 to 15%	0.16	Fragments (>3") >50%	1.00
				Slopes 8 to 15%	0.16
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
7143:					
Inville	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Christopher gravelly loamy coarse sand	4	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7143:					
Jorge very gravelly sandy loam----	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
Meeks, extremely bouldery---------	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Caving potential	1.00
				Fragments (>3") >50%	1.00
Aquic Xerorthents-----------------	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
7151:					
Jorge very cobbly fine sandy loam	80	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Slopes 8 to 15%	0.16
		Slopes 8 to 15%	0.16	Caving potential	0.10
Tahoma----------------------------	5	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Waca------------------------------	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Jorge very cobbly loam------------	4	Limitations		Limitations	
		Frost action possible	0.50	Fragments (>3") 25 to 50%	0.24
		Fragments (>3") 25 to 50%	0.24	Caving potential	0.10
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Ellispeak-------------------------	2	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Sky-------------------------------	2	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Bedrock (soft) from 20 to 40"	0.90

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7151:					
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
Rock outcrop	1	Not rated		Not rated	
7152:					
Jorge very cobbly fine sandy loam	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Caving potential	0.10
Tahoma	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
Waca	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Jorge very cobbly loam	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Fragments (>3") 25 to 50%	0.24
		Fragments (>3") 25 to 50%	0.24	Caving potential	0.10
Ellispeak	2	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Sky	2	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Bedrock (soft) from 20 to 40"	0.90
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
Rock outcrop	1	Not rated		Not rated	

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7153:					
Jorge very cobbly fine sandy loam	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Caving potential	0.10
Tahoma	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
Waca	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Jorge very cobbly loam	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Fragments (>3") 25 to 50%	0.24
		Fragments (>3") 25 to 50%	0.24	Caving potential	0.10
Ellispeak	2	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Sky	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Bedrock (soft) from 20 to 40"	0.90
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
Rock outcrop	1	Not rated		Not rated	
7154:					
Jorge very cobbly loam	75	Limitations		Limitations	
		Frost action possible	0.50	Fragments (>3") 25 to 50%	0.24
		Fragments (>3") 25 to 50%	0.24	Caving potential	0.10
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Rubble land	10	Not rated		Not rated	

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7154:					
Tahoma	5	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Ellispeak	3	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop	3	Not rated		Not rated	
Waca	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7155:					
Jorge very cobbly loam	75	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Fragments (>3") 25 to 50%	0.24
		Fragments (>3") 25 to 50%	0.24	Caving potential	0.10
Rubble land	10	Not rated		Not rated	
Tahoma	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
Ellispeak	3	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop	3	Not rated		Not rated	

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7155:					
Waca	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7156:					
Jorge very gravelly sandy loam	45	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
Tahoma	35	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
Waca	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Inville	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13
Rubble land	2	Not rated		Not rated	
Ellispeak	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop	1	Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7157:					
Jorge very gravelly sandy loam----	55	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
Tahoma----------	25	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
Waca----------	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Inville----------	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13
Rubble land----------	2	Not rated		Not rated	
Ellispeak----------	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop----------	1	Not rated		Not rated	
Tahoe, gravelly----------	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7161:					
Kingsbeach----------	80	Limitations		Limitations	
		AASHTO GI >8 (low soil strength)	1.00	Saturation from 2.5' to 6' depth	0.15
		Shrink-swell (LEP 3-6)	0.50	Caving potential	0.10
		Frost action possible	0.50		
Tahoma----------	10	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7161:					
Jorge very gravelly sandy loam----	8	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Beaches----------	1	Not rated		Not rated	
Dunes----------	1	Not rated		Not rated	
7171:					
Kneeridge, extremely stony--------	80	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
Jorge very gravelly sandy loam----	9	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Paige----------	5	Limitations		Limitations	
		Frost action possible	0.50	Slopes 8 to 15%	0.16
		Slopes 8 to 15%	0.16	Caving potential	0.10
Waca----------	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Tahoe, gravelly----------	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7172:					
Kneeridge, well drained----------	80	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Jorge very gravelly sandy loam----	9	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Paige----------	5	Limitations		Limitations	
		Frost action possible	0.50	Slopes 8 to 15%	0.16
		Slopes 8 to 15%	0.16	Caving potential	0.10

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7172:					
Waca	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7173:					
Kneeridge, very stony	80	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
Jorge very gravelly sandy loam	9	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Paige	5	Limitations		Limitations	
		Frost action possible	0.50	Slopes 8 to 15%	0.16
		Slopes 8 to 15%	0.16	Caving potential	0.10
Waca	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7174:					
Kneeridge, very stony	80	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Jorge very gravelly sandy loam	9	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7174:					
Paige	5	Limitations		Limitations	
		Frost action possible	0.50	Slopes 8 to 15%	0.16
		Slopes 8 to 15%	0.16	Caving potential	0.10
Waca	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7181:					
Paige	80	Limitations		Limitations	
		Frost action possible	0.50	Slopes 8 to 15%	0.16
		Slopes 8 to 15%	0.16	Caving potential	0.10
Kneeridge, well drained	7	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Jorge very gravelly sandy loam	6	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Tahoe, gravelly	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Waca	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
7182:					
Paige	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7182:					
Jorge very gravelly sandy loam----	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
Tahoma----------	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
Waca----------	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Kneeridge, well drained----------	4	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Tahoe, gravelly----------	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7183:					
Paige----------	84	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Jorge very gravelly sandy loam----	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
Tahoma----------	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
Waca----------	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7183:					
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7191:					
Rock outcrop, volcanic	90	Not rated		Not rated	
Glenalpine	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Bulk density > 1.8 g/cc	0.50
Lithnip	2	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Meiss	2	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Melody	2	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Rubble land	2	Not rated		Not rated	
7201:					
Rubble land, talus	45	Not rated		Not rated	
Glenalpine	40	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Bulk density > 1.8 g/cc	0.50
Rock outcrop	10	Not rated		Not rated	
Rockbound very stony loam	5	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7211:					
Southcamp	80	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Genoapeak	5	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Zephyrcove	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.11
Cagwin	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Deerhill	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
7221:					
Tahoma	80	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7221:					
Waca	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Inville	4	Limitations		Limitations	
		Slopes 8 to 15%	0.63	Caving potential	1.00
		Frost action possible	0.50	Slopes 8 to 15%	0.63
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13
Rubble land	3	Not rated		Not rated	
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
Ellispeak	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop	1	Not rated		Not rated	
7222:					
Tahoma	50	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Jorge very gravelly sandy loam	30	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Waca	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Inville	5	Limitations		Limitations	
		Slopes 8 to 15%	0.63	Caving potential	1.00
		Frost action possible	0.50	Slopes 8 to 15%	0.63
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 25 to 50%	0.13

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7222:					
Rubble land	2	Not rated		Not rated	
Ellispeak	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop	1	Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7231:					
Waca	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Ellispeak	5	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop	5	Not rated		Not rated	
Windy	5	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
Kneeridge, well drained	2	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Paige	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7232:					
Waca	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Ellispeak	5	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop	5	Not rated		Not rated	
Windy	4	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
Kneeridge, well drained	2	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Paige	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
Typic Epiaquents	1	Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Flooding >= occasional	1.00	Caving potential	1.00
		Frost action possible	0.50	Frequent or occasional flooding	0.50
7233:					
Waca	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7233:					
Ellispeak	5	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Rock outcrop	5	Not rated		Not rated	
Windy	5	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
Kneeridge, well drained	2	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Paige	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
7241:					
Zephyrcove	50	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
				Bedrock (soft) from 20 to 40"	0.11
Southcamp	20	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Genoapeak	17	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7241:					
Cagwin	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Deerhill	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
7242:					
Zephyrcove	50	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.11
Southcamp	20	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Genoapeak	17	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Cagwin	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7242:					
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Deerhill	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
7401:					
Burnlake	60	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
Roadcat	25	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00
Hardtil	4	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Aquic Haplocryolls	2	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.01	Saturation from 2.5' to 6' depth	0.97
Aspetill	2	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.59	Slopes > 15%	1.00
		Frost action possible	0.50	Fragments (>3") 25 to 50%	0.59
Cumulic Cryaquolls	2	Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Flooding >= occasional	1.00	Caving potential	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7401:					
Stumpatil	2	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
Typic Haploxerepts	2	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00
Rock outcrop	1	Not rated		Not rated	
7411:					
Cagwin	50	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
				Slopes 8 to 15%	0.16
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
Toem	10	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Temo	2	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
				Caving potential	0.10
Witefels	2	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
				Bedrock (soft) from 20 to 40"	0.06

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7411:					
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
7412:					
Cagwin	50	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Toem	10	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Temo	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Witefels	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.06
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7413:					
Cagwin	50	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Toem	10	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Temo	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Witefels	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.06
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
7414:					
Cagwin	50	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7414:					
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Toem	10	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Temo	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Witefels	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.06
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
7421:					
Cassenai gravelly loamy coarse sand	78	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
Cagwin	12	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
				Slopes 8 to 15%	0.16

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7421:					
Toem	4	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Rock outcrop	3	Not rated		Not rated	
Christopher gravelly loamy coarse sand	1	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00
Christopher loamy coarse sand	1	No limitations		Limitations	
				Caving potential	1.00
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
7422:					
Cassenai gravelly loamy coarse sand	73	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Cagwin	12	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Toem	4	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	0.10

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7422:					
Aquic Xerorthents	2	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
Christopher gravelly loamy coarse sand	2	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00
Rock outcrop	2	Not rated		Not rated	
7423:					
Cassenai gravelly loamy coarse sand	78	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Cagwin	12	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Toem	4	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Rock outcrop	3	Not rated		Not rated	
Christopher gravelly loamy coarse sand	2	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7424:					
Cassenai gravelly loamy coarse sand	78	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Cagwin	12	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Toem	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Rock outcrop	4	Not rated		Not rated	
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
7425:					
Cassenai, moist	80	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
Cagwin	5	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
				Slopes 8 to 15%	0.16
Meeks, extremely bouldery	5	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Caving potential	1.00
		Slopes 8 to 15%	0.16	Fragments (>3") >50%	1.00
				Slopes 8 to 15%	0.16
Tallac, very stony	5	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Rock outcrop	2	Not rated		Not rated	

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7425:					
Toem	2	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
7426:					
Cassenai, moist	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Cagwin	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Tallac, very stony	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Meeks, extremely bouldery	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Caving potential	1.00
				Fragments (>3") >50%	1.00
Rock outcrop	2	Not rated		Not rated	
Toem	2	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7426:					
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
7427:					
Cassenai, moist	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Cagwin	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Meeks, extremely bouldery	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Caving potential	1.00
				Fragments (>3") >50%	1.00
Toem	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Rock outcrop	2	Not rated		Not rated	
Tallac, very stony	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
7428:					
Cassenai, moist	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7428:					
Cagwin	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Meeks, extremely bouldery	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Caving potential	1.00
				Fragments (>3") >50%	1.00
Toem	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Rock outcrop	2	Not rated		Not rated	
Tallac, very stony	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
7431:					
Celio	80	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Frost action possible	0.50	Saturation < 2.5' depth	1.00
		Flooding = rare	0.50	Caving potential	1.00
Meeks, stony	7	Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.97	Caving potential	1.00
				Fragments (>3") 25 to 50%	0.97
Tahoe, gravelly	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7431:					
Marla	4	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
Watah	4	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7441:					
Christopher loamy coarse sand	80	No limitations		Limitations	
				Caving potential	1.00
Gefo gravelly loamy coarse sand	10	No limitations		Limitations	
				Caving potential	1.00
Jabu	5	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.38
Oneidas	3	Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
7442:					
Christopher loamy coarse sand	80	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00
Gefo gravelly loamy coarse sand	10	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
Jabu	5	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
				Saturation from 2.5' to 6' depth	0.38

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7442:					
Oneidas	3	Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
7443:					
Christopher gravelly loamy coarse sand	80	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00
Gefo gravelly loamy coarse sand	10	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
Jabu	5	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
				Saturation from 2.5' to 6' depth	0.38
Oneidas	3	Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
7444:					
Christopher loamy coarse sand	45	No limitations		Limitations	
				Caving potential	1.00
Gefo gravelly loamy coarse sand	35	No limitations		Limitations	
				Caving potential	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7444:					
Jabu	5	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.38
Marla	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
Oneidas	5	Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
Ubaj	5	Limitations		Limitations	
		AASHTO GI >8 (low soil strength)	1.00	Saturation from 2.5' to 6' depth	0.15
		Shrink-swell (LEP 3-6)	0.50	Clay from 40 to 60%	0.12
		Frost action possible	0.50	Caving potential	0.10
7451:					
Gefo gravelly loamy coarse sand	80	No limitations		Limitations	
				Caving potential	1.00
Christopher loamy coarse sand	10	No limitations		Limitations	
				Caving potential	1.00
Jabu	5	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.38
Oneidas	3	Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
7452:					
Gefo gravelly loamy coarse sand	80	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7452:					
Christopher loamy coarse sand-----	10	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00
Jabu-----------	5	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
				Saturation from 2.5' to 6' depth	0.38
Oneidas-----------	3	Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Marla-----------	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
7461:					
Jabu-----------	80	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.38
Christopher loamy coarse sand-----	10	No limitations		Limitations	
				Caving potential	1.00
Oneidas-----------	5	Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
Gefo gravelly loamy coarse sand---	3	No limitations		Limitations	
				Caving potential	1.00
Marla-----------	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
7462:					
Jabu-----------	80	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
				Saturation from 2.5' to 6' depth	0.38

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7462:					
Christopher loamy coarse sand-----	10	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00
Oneidas-----------------------------	5	Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Gefo gravelly loamy coarse sand---	3	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
Marla------------------------------	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
7471:					
Marla------------------------------	80	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
Christopher loamy coarse sand-----	4	No limitations		Limitations	
				Caving potential	1.00
Gefo gravelly loamy coarse sand---	4	No limitations		Limitations	
				Caving potential	1.00
Tahoe silt loam--------------------	4	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Ubaj-------------------------------	4	Limitations		Limitations	
		AASHTO GI >8 (low soil strength)	1.00	Saturation from 2.5' to 6' depth	0.15
		Shrink-swell (LEP 3-6)	0.50	Clay from 40 to 60%	0.12
		Frost action possible	0.50	Caving potential	0.10
Watah------------------------------	4	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7481:					
Meeks, stony	85	Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.97	Caving potential	1.00
				Fragments (>3") 25 to 50%	0.97
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
Celio	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Frost action possible	0.50	Saturation < 2.5' depth	1.00
		Flooding = rare	0.50	Caving potential	1.00
Gefo gravelly loamy coarse sand	4	No limitations		Limitations	
				Caving potential	1.00
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7482:					
Meeks, stony	80	Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.97	Caving potential	1.00
		Slopes 8 to 15%	0.16	Fragments (>3") 25 to 50%	0.97
				Slopes 8 to 15%	0.16
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
Oneidas	7	Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Celio	3	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Frost action possible	0.50	Saturation < 2.5' depth	1.00
		Flooding = rare	0.50	Caving potential	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7483:					
Meeks, very stony	85	Limitations		Limitations	
		Fragments (>3") >50%	0.99	Caving potential	1.00
				Fragments (>3") >50%	0.99
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
Celio	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Frost action possible	0.50	Saturation < 2.5' depth	1.00
		Flooding = rare	0.50	Caving potential	1.00
Jabu	5	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.38
7484:					
Meeks, extremely bouldery	80	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Caving potential	1.00
		Slopes 8 to 15%	0.16	Fragments (>3") >50%	1.00
				Slopes 8 to 15%	0.16
Burnlake	5	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
Meeks, rubbly	5	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Caving potential	1.00
		Slopes 8 to 15%	0.16	Fragments (>3") >50%	1.00
				Slopes 8 to 15%	0.16
Dagget, moist	3	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
Tallac, very stony	3	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7484:					
Roadcat	2	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
Jabu	1	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
				Saturation from 2.5' to 6' depth	0.38
7485:					
Meeks, extremely bouldery	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Caving potential	1.00
				Fragments (>3") >50%	1.00
Burnlake	5	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
Meeks, rubbly	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Caving potential	1.00
				Fragments (>3") >50%	1.00
Dagget, moist	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Tallac, very stony	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Roadcat	2	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7485:					
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
Jabu	1	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
				Saturation from 2.5' to 6' depth	0.38
7486:					
Meeks, extremely bouldery	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Caving potential	1.00
				Fragments (>3") >50%	1.00
Burnlake	5	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
Meeks, rubbly	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Caving potential	1.00
				Fragments (>3") >50%	1.00
Dagget, moist	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Tallac, very stony	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Roadcat	2	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7486:					
Jabu	1	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
				Saturation from 2.5' to 6' depth	0.38
7487:					
Meeks, rubbly	80	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Caving potential	1.00
		Slopes 8 to 15%	0.16	Fragments (>3") >50%	1.00
				Slopes 8 to 15%	0.16
Burnlake	5	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
Rockbound very gravelly loam	5	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63
		Frost action possible	0.50	Caving potential	0.10
Roadcat	3	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00
Cagwin	2	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
				Slopes 8 to 15%	0.16
Cassenai gravelly loamy coarse sand	2	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
Rock outcrop	1	Not rated		Not rated	
Rubble land	1	Not rated		Not rated	

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7488:					
Meeks, rubbly	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Caving potential	1.00
				Fragments (>3") >50%	1.00
Burnlake	5	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
Rockbound very gravelly loam	5	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63
		Frost action possible	0.50	Caving potential	0.10
Roadcat	3	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00
Cagwin	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Cassenai gravelly loamy coarse sand	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
Rock outcrop	1	Not rated		Not rated	
Rubble land	1	Not rated		Not rated	
7489:					
Meeks, rubbly	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Caving potential	1.00
				Fragments (>3") >50%	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7489:					
Burnlake	5	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
Rockbound very stony loam	5	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99
Roadcat	3	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00
Cassenai gravelly loamy coarse sand	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
Cagwin	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Rock outcrop	1	Not rated		Not rated	
Rubble land	1	Not rated		Not rated	
Toem	1	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
7491:					
Oneidas	80	Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7491:					
Jabu	10	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.38
Christopher loamy coarse sand	3	No limitations		Limitations	
				Caving potential	1.00
Meeks, stony	3	Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.97	Caving potential	1.00
				Fragments (>3") 25 to 50%	0.97
Gefo gravelly loamy coarse sand	2	No limitations		Limitations	
				Caving potential	1.00
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
7492:					
Oneidas	80	Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Jabu	10	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
				Saturation from 2.5' to 6' depth	0.38
Christopher loamy coarse sand	3	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00
Meeks, stony	3	Limitations		Limitations	
		Fragments (>3") 25 to 50%	0.97	Caving potential	1.00
		Slopes 8 to 15%	0.16	Fragments (>3") 25 to 50%	0.97
				Slopes 8 to 15%	0.16
Gefo gravelly loamy coarse sand	2	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7492:					
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
7500:					
Rock outcrop, granitic	90	Not rated		Not rated	
Rockbound very stony loam	2	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99
Rubble land	2	Not rated		Not rated	
Toem	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Windyridge	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Freelpeak	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.24	Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.46
Jobsis	1	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
7501:					
Rock outcrop, granitic	50	Not rated		Not rated	
Rockbound very gravelly loam	30	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63
		Frost action possible	0.50	Caving potential	0.10

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7501:					
Dagget, moist	5	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
Meeks, rubbly	5	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Caving potential	1.00
		Slopes 8 to 15%	0.16	Fragments (>3") >50%	1.00
				Slopes 8 to 15%	0.16
Temo	5	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
				Caving potential	0.10
Witefels	5	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
				Bedrock (soft) from 20 to 40"	0.06
7502:					
Rock outcrop, granitic	50	Not rated		Not rated	
Rockbound very stony loam	25	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99
Dagget, moist	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Glenalpine	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Bulk density > 1.8 g/cc	0.50
Rubble land	5	Not rated		Not rated	
Temo	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7502:					
Witefels	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.06
7511:					
Shalgran	70	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76
Rock outcrop	15	Not rated		Not rated	
Sofgran	6	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Dystric Xerorthents	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.13	Caving potential	1.00
				Fragments (>3") 25 to 50%	0.13
Burnlake	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
Jobsis	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Bedrock (soft) < 20" depth	0.99
				Caving potential	0.10
Temo	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
7521:					
Tallac, very stony	75	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7521:					
Tallac, rubbly	10	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Tallac, moderately well drained	9	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Meeks, extremely bouldery	5	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Caving potential	1.00
		Slopes 8 to 15%	0.16	Fragments (>3") >50%	1.00
				Slopes 8 to 15%	0.16
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
7522:					
Tallac, very stony	85	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Meeks, extremely bouldery	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Caving potential	1.00
				Fragments (>3") >50%	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
Cagwin	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Cassenai gravelly loamy coarse sand	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7522:					
Dagget, moist	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Rockbound very gravelly loam	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63
		Frost action possible	0.50	Caving potential	0.10
7523:					
Tallac, very stony	85	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Meeks, extremely bouldery	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Caving potential	1.00
				Fragments (>3") >50%	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
Cagwin	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Cassenai gravelly loamy coarse sand	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Dagget, moist	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Rockbound very stony loam	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7524:					
Tallac, moderately well drained---	80	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Tallac, moderately well drained, 5 to 9 percent slopes---	10	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Meeks, very stony---	5	Limitations		Limitations	
		Fragments (>3") >50%	0.99	Caving potential	1.00
				Fragments (>3") >50%	0.99
Callat---	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Bulk density > 1.8 g/cc	0.50
		Fragments (>3") 25 to 50%	0.01	Caving potential	0.10
Tahoe, gravelly---	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7525:					
Tallac, moderately well drained---	80	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Tallac, moderately well drained, 0 to 5 percent slopes---	10	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Meeks, extremely bouldery---	5	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Caving potential	1.00
		Slopes 8 to 15%	0.16	Fragments (>3") >50%	1.00
				Slopes 8 to 15%	0.16
Callat---	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Bulk density > 1.8 g/cc	0.50
		Fragments (>3") 25 to 50%	0.01	Caving potential	0.10

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7525:					
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
7526:					
Tallac, rubbly	85	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Tallac, moderately well drained	10	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Tallac, very stony	4	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
7531:					
Toem	45	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Rock outcrop, granitic	40	Not rated		Not rated	
Cagwin	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7532:					
Toem	45	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Rock outcrop, granitic	40	Not rated		Not rated	
Cagwin	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
7533:					
Toem	45	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Rock outcrop, granitic	40	Not rated		Not rated	
Cagwin	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
7541:					
Ubaj	80	Limitations		Limitations	
		AASHTO GI >8 (low soil strength)	1.00	Saturation from 2.5' to 6' depth	0.15
		Shrink-swell (LEP 3-6)	0.50	Clay from 40 to 60%	0.12
		Frost action possible	0.50	Caving potential	0.10
Christopher loamy coarse sand	5	No limitations		Limitations	
				Caving potential	1.00
Jabu	5	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.38
Oneidas	5	Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
Gefo gravelly loamy coarse sand	3	No limitations		Limitations	
				Caving potential	1.00
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
9001:					
Bidart mucky silt loam	50	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Frequent or occasional flooding	0.50
Bidart, wet	30	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Frequent or occasional flooding	0.50
Tahoe, gravelly	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9001:					
Tahoe silt loam	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Watah	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Water	3	Not rated		Not rated	
Hellhole	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Subsidence > 12"	1.00	Organic matter (PT, OH, OL) below 20"	1.00
9011:					
Oxyaquic Cryorthents	30	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
Aquic Xerorthents	28	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Frequent or occasional flooding	0.50
Tahoe, gravelly	15	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
Bidart mucky silt loam	10	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Frequent or occasional flooding	0.50
Watah	10	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9011:					
Marla	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation from 12 to 30" depth	0.60	Saturation < 2.5' depth	1.00
		Frost action possible	0.50	Caving potential	1.00
Riverwash	2	Not rated		Not rated	
9101:					
Callat	82	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Bulk density > 1.8 g/cc	0.50
		Fragments (>3") 25 to 50%	0.01	Caving potential	0.10
Glenalpine	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Bulk density > 1.8 g/cc	0.50
Meeks, extremely bouldery	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Caving potential	1.00
				Fragments (>3") >50%	1.00
Tallac, very stony	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Rock outcrop	2	Not rated		Not rated	
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
9102:					
Callat	82	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Bulk density > 1.8 g/cc	0.50
		Fragments (>3") 25 to 50%	0.01	Caving potential	0.10

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9102:					
Glenalpine	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Bulk density > 1.8 g/cc	0.50
Meeks, extremely bouldery	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Caving potential	1.00
				Fragments (>3") >50%	1.00
Tallac, very stony	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.47
Rock outcrop	2	Not rated		Not rated	
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
9111:					
Florand	40	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
Lostridge	30	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.54
Fishsnooze	15	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Fragments (>3") 25 to 50%	0.90	Slopes > 15%	1.00
		Frost action possible	0.50	Fragments (>3") 25 to 50%	0.90
Aquic Haplocryolls	3	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.04	Saturation from 2.5' to 6' depth	0.97
		Fragments (>3") 25 to 50%	0.01	Slopes 8 to 15%	0.04

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9111:					
Lithnip, moist	3	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Stumpatil	3	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
Lithnip	2	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Morscour	2	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Typic Cryaquolls	2	Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
		Flooding >= occasional	1.00	Slopes > 15%	1.00
9121:					
Watsonlake	80	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Jorge very cobbly fine sandy loam	5	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Slopes 8 to 15%	0.16
		Slopes 8 to 15%	0.16	Caving potential	0.10
Sky	5	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Bedrock (soft) from 20 to 40"	0.90
Tahoma	5	Limitations		Limitations	
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
		Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9121:					
Waca	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Ellispeak	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
Rock outcrop	1	Not rated		Not rated	
9122:					
Watsonlake	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
Jorge very cobbly fine sandy loam	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Caving potential	0.10
Tahoma	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
Waca	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Sky	2	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Bedrock (soft) from 20 to 40"	0.90

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9122:					
Ellispeak	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
Rock outcrop	1	Not rated		Not rated	
9123:					
Watsonlake	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
Jorge very cobbly fine sandy loam	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Caving potential	0.10
Tahoma	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") 25 to 50%	0.14
Waca	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
				Bedrock (soft) from 20 to 40"	0.01
Sky	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Bedrock (soft) from 20 to 40"	0.90
Ellispeak	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.65	Fragments (>3") 25 to 50%	0.65

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9123:					
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
Rock outcrop	1	Not rated		Not rated	
9131:					
Lithnip	40	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Meiss	30	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Hawkinspeak	15	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
		Bedrock (hard) from 20 to 40"	0.20	Caving potential	1.00
Lostridge	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.54
Fishsnooze	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Fragments (>3") 25 to 50%	0.89	Slopes > 15%	1.00
		Frost action possible	0.50	Fragments (>3") 25 to 50%	0.89
Rock outcrop	3	Not rated		Not rated	
Hawkinspeak, moist	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
		Bedrock (hard) from 20 to 40"	0.20	Caving potential	1.00
Aspocket	1	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.27	Fragments (>3") 25 to 50%	0.27

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9131:					
Hawkridge	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Typic Cryaquolls	1	Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
		Flooding >= occasional	1.00	Frequent or occasional flooding	0.50
9141:					
Melody	55	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
Rock outcrop, volcanic	25	Not rated		Not rated	
Sky	10	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Bedrock (soft) from 20 to 40"	0.90
Mountrose	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Wardcreek	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Bedrock (hard) from 20 to 40"	0.84	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Lithnip	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Meiss	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9141:					
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
9142:					
Melody	55	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Rock outcrop, volcanic	25	Not rated		Not rated	
Sky	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Bedrock (soft) from 20 to 40"	0.90
Mountrose	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Wardcreek	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Bedrock (hard) from 20 to 40"	0.84	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Lithnip	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Meiss	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9143:					
Melody	55	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Rock outcrop, volcanic	25	Not rated		Not rated	
Sky	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Bedrock (soft) from 20 to 40"	0.90
Mountrose	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Wardcreek	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Bedrock (hard) from 20 to 40"	0.84	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Lithnip	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Meiss	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
9151:					
Shakespeare	80	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
				Saturation from 2.5' to 6' depth	0.61

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9151:					
Deerhill	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Mountrose	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Melody	3	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Wardcreek	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Bedrock (hard) from 20 to 40"	0.84	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Dagget very gravelly loamy coarse sand	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
Temo	1	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Witefels	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.06

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9152:					
Shakespeare	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
				Saturation from 2.5' to 6' depth	0.61
Deerhill	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Mountrose	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Melody	3	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Wardcreek	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Bedrock (hard) from 20 to 40"	0.84	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Dagget very gravelly loamy coarse sand	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
Temo	1	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Witefels	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.06

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9161:					
Sky	80	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Bedrock (soft) from 20 to 40"	0.90
Melody	10	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
Mountrose	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Wardcreek	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Bedrock (hard) from 20 to 40"	0.84	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Lithnip	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Meiss	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
9162:					
Sky	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Bedrock (soft) from 20 to 40"	0.90

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9162:					
Melody	10	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Mountrose	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Wardcreek	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Bedrock (hard) from 20 to 40"	0.84	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Lithnip	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Meiss	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
9163:					
Sky	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Bedrock (soft) from 20 to 40"	0.90
Melody	10	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9163:					
Mountrose	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Wardcreek	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Bedrock (hard) from 20 to 40"	0.84	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Lithnip	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Meiss	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
9164:					
Sky	50	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Bedrock (soft) from 20 to 40"	0.90
Melody	40	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
Mountrose	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9164:					
Wardcreek	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Bedrock (hard) from 20 to 40"	0.84	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Lithnip	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Meiss	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
9165:					
Sky	50	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Bedrock (soft) from 20 to 40"	0.90
Melody	40	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Mountrose	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Wardcreek	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Bedrock (hard) from 20 to 40"	0.84	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9165:					
Lithnip	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Meiss	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
9166:					
Sky	50	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Bedrock (soft) from 20 to 40"	0.90
Melody	40	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Mountrose	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Wardcreek	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Bedrock (hard) from 20 to 40"	0.84	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Lithnip	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9166:					
Meiss	1	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
9171:					
Mountrose	35	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 25 to 50%	0.19
Wardcreek	25	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Bedrock (hard) from 20 to 40"	0.84	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.83	Fragments (>3") 25 to 50%	0.83
Melody	20	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
Meiss	5	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Frost action possible	0.50	Caving potential	0.10
Rock outcrop	5	Not rated		Not rated	
Rubble land	5	Not rated		Not rated	
Sky	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") >50%	1.00
		Frost action possible	0.50	Bedrock (soft) from 20 to 40"	0.90

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9401:					
Dagget very gravelly loamy coarse sand	75	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Temo	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Witefels	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.06
Jobsis	3	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Rock outcrop	3	Not rated		Not rated	
Whittell	3	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.53	Slopes > 15%	1.00
				Fragments (>3") 25 to 50%	0.53
Cagwin	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Cassenai, moist	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Toem	2	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	0.10

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9401:					
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
9402:					
Dagget very gravelly loamy coarse sand	75	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Temo	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Witefels	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.06
Jobsis	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Rock outcrop	3	Not rated		Not rated	
Whittell	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.53	Caving potential	1.00
				Fragments (>3") 25 to 50%	0.53
Cagwin	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Cassenai, moist	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9402:					
Toem	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
9403:					
Dagget very gravelly loamy coarse sand	75	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Temo	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Witefels	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.06
Jobsis	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Rock outcrop	3	Not rated		Not rated	
Whittell	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.53	Caving potential	1.00
				Fragments (>3") 25 to 50%	0.53
Cagwin	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9403:					
Cassenai, moist	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Toem	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
9404:					
Dagget, moist	80	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
Cassenai, moist	5	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
Rockbound very gravelly loam	5	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63
		Frost action possible	0.50	Caving potential	0.10
Jobsis	2	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Oxyaquic Cryorthents	2	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
Temo	2	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
				Caving potential	0.10

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9404:					
Whittell	2	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.53	Slopes > 15%	1.00
				Fragments (>3") 25 to 50%	0.53
Witefels	2	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
				Bedrock (soft) from 20 to 40"	0.06
9405:					
Dagget, moist	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Cassenai, moist	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Rockbound very gravelly loam	5	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63
		Frost action possible	0.50	Caving potential	0.10
Jobsis	2	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Oxyaquic Cryorthents	2	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
Temo	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Whittell	2	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.53	Slopes > 15%	1.00
				Fragments (>3") 25 to 50%	0.53

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9405:					
Witefels	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.06
9406:					
Dagget, moist	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Cassenai, moist	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Rockbound very stony loam	5	Limitations		Limitations	
		Bedrock (hard) < 20" depth	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	0.99	Fragments (>3") >50%	0.99
Jobsis	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Oxyaquic Cryorthents	2	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
Temo	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Whittell	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.53	Caving potential	1.00
				Fragments (>3") 25 to 50%	0.53
Witefels	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.06

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9407:					
Dagget, moist	55	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Rock outcrop, granitic	25	Not rated		Not rated	
Temo	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Witefels	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.06
Whittell	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.53	Caving potential	1.00
				Fragments (>3") 25 to 50%	0.53
Cassenai, moist	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Jobsis	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Oxyaquic Cryorthents	2	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
9411:					
Freelpeak	50	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.30	Caving potential	1.00
				Fragments (>3") 25 to 50%	0.30

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9411:					
Windyridge	25	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Rock outcrop	10	Not rated		Not rated	
Jobsis	8	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Bedrock (soft) < 20" depth	0.99
				Caving potential	0.10
Whittell	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Caving potential	1.00
				Fragments (>3") >50%	1.00
Waterpeak	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.76	Caving potential	1.00
				Fragments (>3") 25 to 50%	0.76
Buggin	1	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.01	Caving potential	0.10
Glaciers	1	Not rated		Not rated	
9421:					
Jobsis	45	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Bedrock (soft) < 20" depth	0.99
				Caving potential	0.10
Whittell	25	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Caving potential	1.00
		Slopes > 15%	1.00	Fragments (>3") >50%	1.00
				Slopes > 15%	1.00
Rock outcrop	15	Not rated		Not rated	

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9421:					
Typic Cryorthents, 8 to 30 percent slopes	4	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
				Slopes > 15%	1.00
Windyridge	4	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Klauspeak	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.07	Caving potential	1.00
				Fragments (>3") 25 to 50%	0.07
Shalgran	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76
Buggin	1	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.01	Caving potential	0.10
Typic Cryorthents, 4 to 30 percent slopes	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Bedrock (soft) < 20" depth	0.99
				Caving potential	0.10
Waterpeak	1	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Fragments (>3") 25 to 50%	0.76	Slopes > 15%	1.00
				Fragments (>3") 25 to 50%	0.76
9431:					
Sofgran	40	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9431:					
Klauspeak	30	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.05	Caving potential	1.00
				Fragments (>3") 25 to 50%	0.05
Temo	15	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Rock outcrop	4	Not rated		Not rated	
Shalgran	4	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76
Xeric Humicryepts	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Stumpatil	2	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
Aquic Haplocryolls	1	Limitations		Limitations	
		Slopes > 15%	1.00	Caving potential	1.00
		Frost action possible	0.50	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.01	Saturation from 2.5' to 6' depth	0.97
Hopeval	1	Limitations		Limitations	
		Saturation < 12" depth	1.00	Saturation < 2.5' depth	1.00
		Frost action very likely	1.00	Caving potential	1.00
		Flooding >= occasional	1.00	Frequent or occasional flooding	0.50
9441:					
Temo	45	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
				Caving potential	0.10

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9441:					
Witefels	35	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Slopes 8 to 15%	0.16
				Bedrock (soft) from 20 to 40"	0.06
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Cagwin	4	Limitations		Limitations	
		Slopes 8 to 15%	0.16	Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
				Slopes 8 to 15%	0.16
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
9442:					
Temo	45	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Witefels	35	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.06
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9442:					
Cagwin	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
9443:					
Temo	45	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Witefels	35	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.06
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Cagwin	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
9444:					
Temo	45	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
				Caving potential	0.10

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9444:					
Witefels	35	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.06
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Cagwin	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
				Bedrock (soft) from 20 to 40"	0.71
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 2.5' depth	1.00
		Slopes 8 to 15%	0.16	Caving potential	1.00
		Saturation from 12 to 30" depth	0.01	Frequent or occasional flooding	0.50
9451:					
Waterpeak	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.76	Caving potential	1.00
				Fragments (>3") 25 to 50%	0.76
Rock outcrop	10	Not rated		Not rated	
Shalgran	4	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76
Typic Cryorthents	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00
Pachic Haplocryolls	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	1.00

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9461:					
Whittell	45	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") >50%	1.00	Caving potential	1.00
				Fragments (>3") >50%	1.00
Jobsis	25	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Bedrock (soft) < 20" depth	0.99
				Caving potential	0.10
Rock outcrop	15	Not rated		Not rated	
Jobsis, 8 to 30 percent slopes	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Bedrock (soft) < 20" depth	0.99
				Caving potential	0.10
Windyridge	4	Limitations		Limitations	
		Bedrock (soft) < 20" depth	1.00	Bedrock (soft) < 20" depth	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Caving potential	0.10
Klauspeak	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.07	Caving potential	1.00
				Fragments (>3") 25 to 50%	0.07
Shalgran	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.76	Fragments (>3") 25 to 50%	0.76
Buggin	1	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 20" depth	1.00
		Bedrock (soft) < 20" depth	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.01	Caving potential	0.10
Typic Cryorthents	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
				Bedrock (soft) < 20" depth	0.99
				Caving potential	0.10

Table 16b.--Building Site Development--Continued

Map symbol and component name	Pct. of map unit	Local roads and streets		Shallow excavations	
		Limitations	Value	Limitations	Value
9461:					
Waterpeak	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (>3") 25 to 50%	0.76	Caving potential	1.00
				Fragments (>3") 25 to 50%	0.76
W:					
Water	100	Not rated		Not rated	

The interpretation for local roads and streets evaluates the following soil properties at variable depths in the soil: flooding, ponding, wetness, slope, organic Unified classes for low soil strength (PT, OL, and OH), amount of clay, depth to hard or soft bedrock, depth to a thick or thin cemented pan, fragments more than 3 inches in size, bulk density, and the caving potential of the soil.

The interpretation for shallow excavations evaluates the following soil properties at variable depths in the soil: flooding, ponding, wetness, slope, subsidence of organic soils, shrink-swell potential expressed as linear extensibility percent (LEP), potential for frost action, depth to hard or soft bedrock, depth to a thick or thin cemented pan, fragments more than 3 inches in size, and soil strength expressed as the AASHTO group index number (AASHTO GI).

Table 17a.--Sanitary Facilities

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. The rating is based on the limitation with the highest value. Only the three highest value limitations are listed. There may be more limitations. Fine-earth fractions and rock fragments are reported on a weight basis. An explanation of the rating criteria and of the abbreviations used in describing the limitations is given at the end of the table)

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7011:					
Beaches	64	Not rated		Not rated	
Oxyaquic Xeropsamments	10	Limitations		Limitations	
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00		
		Seepage in bottom layer	1.00		
Watah	7	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Gefo, barrier beach	6	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.17
		Seepage in bottom layer	1.00		
Marla	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
Cagwin	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Cassenai gravelly loamy coarse sand	1	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Dunes	1	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7011:					
Jorge very gravelly sandy loam----	1	Limitations		Limitations	
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Slopes 8 to 15%	0.04		
Rock outcrop----------	1	Not rated		Not rated	
Tahoe silt loam----------	1	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Tahoma----------	1	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.14	Slopes > 8%	1.00
		Slopes 8 to 15%	0.04		
Toem----------	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
7021:					
Hellhole----------	80	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	High organic matter (PT) in 50-150cm	1.00
		Subsidence	1.00		
				Permeability > 2"/hr (seepage)	1.00
Bidart, wet----------	10	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Watah----------	5	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Water----------	5	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7031:					
Pits	45	Not rated		Not rated	
Dumps	45	Not rated		Not rated	
Arents	5	Not rated		Not rated	
Xerorthents	5	Not rated		Not rated	
7041:					
Tahoe silt loam	55	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Tahoe silt loam, wet	25	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Marla	10	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
Tahoe, gravelly	5	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Watah	5	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7042:					
Tahoe, gravelly	55	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7042:					
Tahoe, gravelly, wet	25	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Marla	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
Riverwash	5	Not rated		Not rated	
Tahoe silt loam	5	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Watah	5	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7043:					
Tahoe, drained	80	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Marla	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
Tahoe, gravelly	5	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Tahoe silt loam, wet	5	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7043:					
Watah	5	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7051:					
Oxyaquic Xerorthents	60	Limitations		Limitations	
		Saturation < 4' depth	1.00	Saturation at < 3.5' depth	1.00
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Organic matter (OL, OH) in 50-15-cm	0.50
Water	38	Not rated		Not rated	
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
Watah	1	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7061:					
Urban land	100	Not rated		Not rated	
7071:					
Watah	75	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Tahoe, gravelly, wet	9	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Tahoe silt loam, wet	8	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7071:					
Marla	3	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
Bidart, wet	2	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Water	2	Not rated		Not rated	
Hellhole	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	High organic matter (PT) in 50-150cm	1.00
		Subsidence	1.00		
				Permeability > 2"/hr (seepage)	1.00
7101:					
Caverock	80	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability .6-2"/hr (some seepage)	0.02
Cagwin	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Deerhill	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability < .6"/hr in 24-60" (slow perc)	0.99	Permeability .6-2"/hr (some seepage)	0.32

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7101:					
Genoapeak	2	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Fragments (>3") > 35%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
Southcamp	2	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.82	Permeability > 2"/hr (seepage)	1.00
Zephyrcove	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.50	Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
7111:					
Deerhill	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability < .6"/hr in 24-60" (slow perc)	0.99	Permeability .6-2"/hr (some seepage)	0.32
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Cagwin	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7111:					
Shakespeare	3	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Saturation from 3.5 to 5' depth	0.71
		Slopes > 15%	1.00	Permeability .6-2"/hr (some seepage)	0.02
		Saturation < 4' depth	0.99		
Southcamp	3	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.82	Permeability > 2"/hr (seepage)	1.00
Zephyrcove	3	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.50	Permeability > 2"/hr (seepage)	1.00
Genoapeak	2	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Fragments (>3") > 35%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
7112:					
Deerhill	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability < .6"/hr in 24-60" (slow perc)	0.99	Permeability .6-2"/hr (some seepage)	0.32
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7112:					
Cagwin	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Shakespeare	3	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Saturation from 3.5 to 5' depth	0.71
		Slopes > 15%	1.00	Permeability .6-2"/hr (some seepage)	0.02
		Saturation < 4' depth	0.99		
Southcamp	3	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.82	Permeability > 2"/hr (seepage)	1.00
Zephyrcove	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.50	Permeability > 2"/hr (seepage)	1.00
Genoapeak	2	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Fragments (>3") > 35%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00		
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
7121:					
Ellispeak	45	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Fragments (>3") 20-35%	0.12
		Seepage in bottom layer	1.00		
Rock outcrop, volcanic	40	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7121:					
Waca	10	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Kneeridge, well drained	2	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Paige	2	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00		
Tahoe, gravelly	1	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7122:					
Ellispeak	45	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") 20-35%	0.12
Rock outcrop, volcanic	40	Not rated		Not rated	
Waca	10	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Kneeridge, well drained	3	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7122:					
Paige	1	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00		
7123:					
Ellispeak	45	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") 20-35%	0.12
Rock outcrop, volcanic	40	Not rated		Not rated	
Waca	10	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Kneeridge, well drained	3	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Paige	1	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00		
7131:					
Ellispeak	45	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Fragments (>3") 20-35%	0.12
		Seepage in bottom layer	1.00		

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7131:					
Waca	40	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	10	Not rated		Not rated	
Windy	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Depth to bedrock 40 - 72"	0.81	Bedrock (soft) from 40 to 60"	0.50
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
7132:					
Ellispeak	45	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") 20-35%	0.12
Waca	40	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	10	Not rated		Not rated	
Windy	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Depth to bedrock 40 - 72"	0.81	Bedrock (soft) from 40 to 60"	0.50
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7133:					
Ellispeak	45	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") 20-35%	0.12
Waca	40	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	10	Not rated		Not rated	
Windy	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Depth to bedrock 40 - 72"	0.81	Bedrock (soft) from 40 to 60"	0.50
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
7141:					
Inville	80	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 25 to 50%	0.13	Slopes 2 to 8%	0.67
				Fragments (>3") 20-35%	0.01
Christopher loamy coarse sand	10	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes 2 to 8%	0.50
Cassenai gravelly loamy coarse sand	4	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Jorge very gravelly sandy loam	3	Limitations		Limitations	
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.04	Slopes > 8%	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7141:					
Kingsbeach	2	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes 2 to 8%	0.67
		Saturation from 4 to 6' depth	0.40		
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
7142:					
Inville	80	Limitations		Limitations	
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.63	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 20-35%	0.01
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Christopher gravelly loamy coarse sand	4	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00		
Jorge very gravelly sandy loam	3	Limitations		Limitations	
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.04	Slopes > 8%	1.00
Meeks, extremely bouldery	2	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Fragments (>3") > 35%	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7142:					
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
7143:					
Inville	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 20-35%	0.01
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Christopher gravelly loamy coarse sand	4	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00		
Jorge very gravelly sandy loam	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
Meeks, extremely bouldery	2	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") >50%	1.00		
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7151:					
Jorge very cobbly fine sandy loam	80	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") > 35%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.50	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Slopes 8 to 15%	0.16		
Tahoma	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.14	Slopes > 8%	1.00
		Slopes 8 to 15%	0.04		
Waca	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Jorge very cobbly loam	4	Limitations		Limitations	
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.24	Slopes > 8%	1.00
		Slopes 8 to 15%	0.04		
Ellispeak	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Fragments (>3") 20-35%	0.12
		Seepage in bottom layer	1.00		
Sky	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Rock outcrop	1	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7152:					
Jorge very cobbly fine sandy loam	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") > 35%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.50	Permeability > 2"/hr (seepage)	1.00
Tahoma	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.14		
Waca	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Jorge very cobbly loam	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.24		
Ellispeak	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Fragments (>3") 20-35%	0.12
		Seepage in bottom layer	1.00		
Sky	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Rock outcrop	1	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7153:					
Jorge very cobbly fine sandy loam	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") > 35%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.50	Permeability > 2"/hr (seepage)	1.00
Tahoma	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.14		
Waca	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Jorge very cobbly loam	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.24		
Ellispeak	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") 20-35%	0.12
Sky	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Rock outcrop	1	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7154:					
Jorge very cobbly loam----------	75	Limitations		Limitations	
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.24	Slopes > 8%	1.00
		Slopes 8 to 15%	0.04		
Rubble land----------	10	Not rated		Not rated	
Tahoma----------	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.14	Slopes > 8%	1.00
		Slopes 8 to 15%	0.04		
Ellispeak----------	3	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Fragments (>3") 20-35%	0.12
		Seepage in bottom layer	1.00		
Rock outcrop----------	3	Not rated		Not rated	
Waca----------	3	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Tahoe, gravelly----------	1	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7155:					
Jorge very cobbly loam----------	75	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.24		
Rubble land----------	10	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7155:					
Tahoma	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.14		
Ellispeak	3	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Fragments (>3") 20-35%	0.12
		Seepage in bottom layer	1.00		
Rock outcrop	3	Not rated		Not rated	
Waca	3	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Tahoe, gravelly	1	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7156:					
Jorge very gravelly sandy loam	45	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
Tahoma	35	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.14		
Waca	10	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7156:					
Inville	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 20-35%	0.01
Rubble land	2	Not rated		Not rated	
Ellispeak	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Fragments (>3") 20-35%	0.12
		Seepage in bottom layer	1.00		
Rock outcrop	1	Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7157:					
Jorge very gravelly sandy loam	55	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
Tahoma	25	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.14		
Waca	10	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Inville	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 20-35%	0.01
Rubble land	2	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7157:					
Ellispeak	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") 20-35%	0.12
Rock outcrop	1	Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7161:					
Kingsbeach	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes 2 to 8%	0.67
		Saturation from 4 to 6' depth	0.40		
Tahoma	10	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.14	Slopes > 8%	1.00
		Slopes 8 to 15%	0.04		
Jorge very gravelly sandy loam	8	Limitations		Limitations	
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Slopes 8 to 15%	0.04		
Beaches	1	Not rated		Not rated	
Dunes	1	Not rated		Not rated	
7171:					
Kneeridge, extremely stony	80	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.50
Jorge very gravelly sandy loam	9	Limitations		Limitations	
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Slopes 8 to 15%	0.04		

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7171:					
Paige	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Slopes 8 to 15%	0.16		
Waca	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Tahoe, gravelly	1	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7172:					
Kneeridge, well drained	80	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Jorge very gravelly sandy loam	9	Limitations		Limitations	
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Slopes 8 to 15%	0.04		
Paige	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Slopes 8 to 15%	0.16		
Waca	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Tahoe, gravelly	1	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7173:					
Kneeridge, very stony	80	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.17
Jorge very gravelly sandy loam	9	Limitations		Limitations	
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Slopes 8 to 15%	0.04		
Paige	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Slopes 8 to 15%	0.16		
Waca	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Tahoe, gravelly	1	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7174:					
Kneeridge, very stony	80	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Jorge very gravelly sandy loam	9	Limitations		Limitations	
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Slopes 8 to 15%	0.04		
Paige	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Slopes 8 to 15%	0.16		
Waca	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7174:					
Tahoe, gravelly	1	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7181:					
Paige	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Slopes 8 to 15%	0.16		
Kneeridge, well drained	7	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Jorge very gravelly sandy loam	6	Limitations		Limitations	
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Slopes 8 to 15%	0.04		
Tahoe, gravelly	5	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Waca	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
7182:					
Paige	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00		
Jorge very gravelly sandy loam	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7182:					
Tahoma	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.14		
Waca	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Kneeridge, well drained	4	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Tahoe, gravelly	1	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7183:					
Paige	84	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00		
Jorge very gravelly sandy loam	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
Tahoma	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.14		
Waca	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7183:					
Tahoe, gravelly	1	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7191:					
Rock outcrop, volcanic	90	Not rated		Not rated	
Glenalpine	2	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") >50%	1.00		
Lithnip	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00		
Meiss	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Melody	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") > 35%	1.00
Rubble land	2	Not rated		Not rated	
7201:					
Rubble land, talus	45	Not rated		Not rated	
Glenalpine	40	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") >50%	1.00		
Rock outcrop	10	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7201:					
Rockbound very stony loam---------	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
7211:					
Southcamp---------------------------	80	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.82	Permeability > 2"/hr (seepage)	1.00
Cassenai gravelly loamy coarse sand-----------------------------	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Genoapeak-------------------------	5	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Fragments (>3") > 35%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
Zephyrcove-------------------------	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.50	Permeability > 2"/hr (seepage)	1.00
Cagwin----------------------------	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Deerhill---------------------------	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability < .6"/hr in 24-60" (slow perc)	0.99	Permeability .6-2"/hr (some seepage)	0.32

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7211:					
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
7221:					
Tahoma	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.14	Slopes > 8%	1.00
		Slopes 8 to 15%	0.04		
Waca	10	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Inville	4	Limitations		Limitations	
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.63	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 20-35%	0.01
Rubble land	3	Not rated		Not rated	
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Ellispeak	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Fragments (>3") 20-35%	0.12
Rock outcrop	1	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7222:					
Tahoma	50	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.14	Slopes > 8%	1.00
		Slopes 8 to 15%	0.04		
Jorge very gravelly sandy loam	30	Limitations		Limitations	
		Permeability .6 - 2"/hr (slow perc)	0.98	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Slopes 8 to 15%	0.04		
Waca	10	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Inville	5	Limitations		Limitations	
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.63	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 25 to 50%	0.13	Fragments (>3") 20-35%	0.01
Rubble land	2	Not rated		Not rated	
Ellispeak	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Fragments (>3") 20-35%	0.12
		Seepage in bottom layer	1.00		
Rock outcrop	1	Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7231:					
Waca	80	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7231:					
Ellispeak	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Fragments (>3") 20-35%	0.12
Rock outcrop	5	Not rated		Not rated	
Windy	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Depth to bedrock 40 - 72"	0.81	Bedrock (soft) from 40 to 60"	0.50
Kneeridge, well drained	2	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Paige	2	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
7232:					
Waca	80	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Ellispeak	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") 20-35%	0.12
Rock outcrop	5	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7232:					
Windy	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Depth to bedrock 40 - 72"	0.81	Bedrock (soft) from 40 to 60"	0.50
Kneeridge, well drained	2	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Paige	2	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00		
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Typic Epiaquents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
7233:					
Waca	80	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Ellispeak	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") 20-35%	0.12
Rock outcrop	5	Not rated		Not rated	
Windy	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Depth to bedrock 40 - 72"	0.81	Bedrock (soft) from 40 to 60"	0.50

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7233:					
Kneeridge, well drained	2	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Paige	2	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00		
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
7241:					
Zephyrcove	50	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.50	Permeability > 2"/hr (seepage)	1.00
Southcamp	20	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.82	Permeability > 2"/hr (seepage)	1.00
Genoapeak	17	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Fragments (>3") > 35%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
Cagwin	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7241:					
Deerhill	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability < .6"/hr in 24-60" (slow perc)	0.99	Permeability .6-2"/hr (some seepage)	0.32
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
7242:					
Zephyrcove	50	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.50	Permeability > 2"/hr (seepage)	1.00
Southcamp	20	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.82	Permeability > 2"/hr (seepage)	1.00
Genoapeak	17	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Fragments (>3") > 35%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
Cagwin	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7242:					
Deerhill	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability < .6"/hr in 24-60" (slow perc)	0.99	Permeability .6-2"/hr (some seepage)	0.32
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
7401:					
Burnlake	60	Limitations		Limitations	
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
Roadcat	25	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Fragments (>3") 20-35%	0.04
Hardtil	4	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Aquic Haplocryolls	2	Limitations		Limitations	
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Fragments (>3") 20-35%	0.96
Aspetill	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.59	Fragments (>3") > 35%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.50	Permeability .6-2"/hr (some seepage)	0.50
Cumulic Cryaquolls	2	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7401:					
Stumpatil	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.50	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") 20-35%	0.02
Typic Haploxerepts	2	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00		
Rock outcrop	1	Not rated		Not rated	
7411:					
Cagwin	50	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Toem	10	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Bedrock (soft) from 40 to 60"	0.50

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7411:					
Temo	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Seepage in bottom layer	1.00		
Witefels	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Seepage in bottom layer	1.00		
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
7412:					
Cagwin	50	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Toem	10	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7412:					
Temo	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Witefels	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
7413:					
Cagwin	50	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Toem	10	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Bedrock (soft) from 40 to 60"	0.50

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7413:					
Temo	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Witefels	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
7414:					
Cagwin	50	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Toem	10	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7414:					
Temo	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Witefels	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
7421:					
Cassenai gravelly loamy coarse sand	78	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Cagwin	12	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Toem	4	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	3	Not rated		Not rated	
Christopher gravelly loamy coarse sand	1	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00		

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7421:					
Christopher loamy coarse sand-----	1	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes 2 to 8%	0.17
Marla-----------	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
7422:					
Cassenai gravelly loamy coarse sand-----------	73	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Cagwin-----------	12	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Dagget very gravelly loamy coarse sand-----------	5	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		
Toem-----------	4	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
Aquic Xerorthents-----------	2	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7422:					
Christopher gravelly loamy coarse sand	2	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
		Slopes > 15%	1.00		
Rock outcrop	2	Not rated		Not rated	
7423:					
Cassenai gravelly loamy coarse sand	78	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Cagwin	12	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Toem	4	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	3	Not rated		Not rated	
Christopher gravelly loamy coarse sand	2	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
		Slopes > 15%	1.00		
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7424:					
Cassenai gravelly loamy coarse sand	78	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Cagwin	12	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Toem	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	4	Not rated		Not rated	
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
7425:					
Cassenai, moist	80	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
				Fragments (>3") 20-35%	0.62
Cagwin	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Meeks, extremely bouldery	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") > 35%	1.00
		Slopes 8 to 15%	0.16		

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7425:					
Tallac, very stony	5	Limitations		Limitations	
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94
				Slopes 2 to 8%	0.83
Rock outcrop	2	Not rated		Not rated	
Toem	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
7426:					
Cassenai, moist	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") 20-35%	0.62
Cagwin	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Tallac, very stony	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94
Meeks, extremely bouldery	4	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") >50%	1.00		
Rock outcrop	2	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7426:					
Toem	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
7427:					
Cassenai, moist	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") 20-35%	0.62
Cagwin	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Meeks, extremely bouldery	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") > 35%	1.00
Toem	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	2	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7427:					
Tallac, very stony	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
7428:					
Cassenai, moist	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") 20-35%	0.62
Cagwin	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Meeks, extremely bouldery	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") >50%	1.00		
Toem	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	2	Not rated		Not rated	
Tallac, very stony	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7428:					
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
7431:					
Celio	80	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Depth to pan from 40-60"	0.84
Meeks, stony	7	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 25 to 50%	0.97	Fragments (>3") 20-35%	0.73
		Depth to pan 40 to 72"	0.14	Slopes 2 to 8%	0.33
Tahoe, gravelly	5	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Marla	4	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
Watah	4	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7441:					
Christopher loamy coarse sand	80	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes 2 to 8%	0.50
Gefo gravelly loamy coarse sand	10	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Slopes 2 to 8%	0.17

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7441:					
Jabu	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.50
		Saturation from 4 to 6' depth	0.87	Saturation from 3.5 to 5' depth	0.22
Oneidas	3	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Saturation at < 3.5' depth	1.00
				Slopes 2 to 8%	0.17
		Saturation < 4' depth	1.00		
		Seepage in bottom layer	1.00		
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
7442:					
Christopher loamy coarse sand	80	Limitations		Limitations	
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00		
Gefo gravelly loamy coarse sand	10	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
		Slopes 8 to 15%	0.16		
Jabu	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Saturation from 3.5 to 5' depth	0.22
		Saturation from 4 to 6' depth	0.87		
Oneidas	3	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Saturation at < 3.5' depth	1.00
				Slopes > 8%	1.00
		Saturation < 4' depth	1.00		
		Seepage in bottom layer	1.00		

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7442:					
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
7443:					
Christopher gravelly loamy coarse sand	80	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
		Slopes > 15%	1.00		
Gefo gravelly loamy coarse sand	10	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
		Slopes 8 to 15%	0.16		
Jabu	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Saturation from 3.5 to 5' depth	0.22
		Saturation from 4 to 6' depth	0.87		
Oneidas	3	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Saturation at < 3.5' depth	1.00
				Slopes > 8%	1.00
		Saturation < 4' depth	1.00		
		Seepage in bottom layer	1.00		
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
7444:					
Christopher loamy coarse sand	45	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes 2 to 8%	0.17

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7444:					
Gefo gravelly loamy coarse sand---	35	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.17
		Seepage in bottom layer	1.00		
Jabu---	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.50
		Saturation from 4 to 6' depth	0.87	Saturation from 3.5 to 5' depth	0.22
Marla---	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
Oneidas---	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Saturation at < 3.5' depth	1.00
				Slopes 2 to 8%	0.17
		Saturation < 4' depth	1.00		
		Seepage in bottom layer	1.00		
Ubaj---	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.67
		Saturation from 4 to 6' depth	0.40		
7451:					
Gefo gravelly loamy coarse sand---	80	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.17
		Seepage in bottom layer	1.00		
Christopher loamy coarse sand-----	10	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes 2 to 8%	0.50
Jabu---	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.50
		Saturation from 4 to 6' depth	0.87	Saturation from 3.5 to 5' depth	0.22

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7451:					
Oneidas	3	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Saturation at < 3.5' depth	1.00
				Slopes 2 to 8%	0.17
		Saturation < 4' depth	1.00		
		Seepage in bottom layer	1.00		
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
7452:					
Gefo gravelly loamy coarse sand	80	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
		Slopes 8 to 15%	0.16		
Christopher loamy coarse sand	10	Limitations		Limitations	
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00		
Jabu	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Saturation from 3.5 to 5' depth	0.22
		Saturation from 4 to 6' depth	0.87		
Oneidas	3	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Saturation at < 3.5' depth	1.00
				Slopes > 8%	1.00
		Saturation < 4' depth	1.00		
		Seepage in bottom layer	1.00		
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7461:					
Jabu	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.50
		Saturation from 4 to 6' depth	0.87	Saturation from 3.5 to 5' depth	0.22
Christopher loamy coarse sand	10	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes 2 to 8%	0.50
Oneidas	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Saturation at < 3.5' depth	1.00
				Slopes 2 to 8%	0.17
		Saturation < 4' depth	1.00		
		Seepage in bottom layer	1.00		
Gefo gravelly loamy coarse sand	3	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.17
		Seepage in bottom layer	1.00		
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
7462:					
Jabu	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Saturation from 3.5 to 5' depth	0.22
		Saturation from 4 to 6' depth	0.87		
Christopher loamy coarse sand	10	Limitations		Limitations	
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00		
Oneidas	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Saturation at < 3.5' depth	1.00
				Slopes > 8%	1.00
		Saturation < 4' depth	1.00		
		Seepage in bottom layer	1.00		

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7462:					
Gefo gravelly loamy coarse sand---	3	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
		Slopes 8 to 15%	0.16		
Marla----------	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
7471:					
Marla----------	80	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
Christopher loamy coarse sand-----	4	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes 2 to 8%	0.17
Gefo gravelly loamy coarse sand---	4	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.17
		Seepage in bottom layer	1.00		
Tahoe silt loam----------	4	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Ubaj----------	4	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.67
		Saturation from 4 to 6' depth	0.40		
Watah----------	4	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7481:					
Meeks, stony	85	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") 20-35%	0.73
		Fragments (>3") 25 to 50%	0.97	Slopes 2 to 8%	0.33
		Depth to pan 40 to 72"	0.14		
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Celio	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Depth to pan from 40-60"	0.84
Gefo gravelly loamy coarse sand	4	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.17
		Seepage in bottom layer	1.00		
Tahoe, gravelly	1	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7482:					
Meeks, stony	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.97	Fragments (>3") 20-35%	0.73
		Slopes 8 to 15%	0.16		
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Oneidas	7	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Saturation at < 3.5' depth	1.00
				Slopes > 8%	1.00
		Saturation < 4' depth	1.00		
		Seepage in bottom layer	1.00		

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7482:					
Celio	3	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Depth to pan from 40-60"	0.84
7483:					
Meeks, very stony	85	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") >50%	0.99	Fragments (>3") 20-35%	0.97
		Depth to pan 40 to 72"	0.14	Slopes 2 to 8%	0.33
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Celio	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Depth to pan from 40-60"	0.84
Jabu	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.87	Slopes 2 to 8%	0.50
				Saturation from 3.5 to 5' depth	0.22
7484:					
Meeks, extremely bouldery	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.16	Fragments (>3") > 35%	1.00
Burnlake	5	Limitations		Limitations	
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7484:					
Meeks, rubbly	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") > 35%	1.00
		Slopes 8 to 15%	0.16		
Dagget, moist	3	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Bedrock (soft) from 40 to 60"	0.50
		Depth to bedrock 40 - 72"	0.81		
Tallac, very stony	3	Limitations		Limitations	
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94
				Slopes 2 to 8%	0.83
Roadcat	2	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Fragments (>3") 20-35%	0.04
		Slopes > 15%	1.00		
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Jabu	1	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Saturation from 3.5 to 5' depth	0.22
		Saturation from 4 to 6' depth	0.87		
7485:					
Meeks, extremely bouldery	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") >50%	1.00		

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7485:					
Burnlake	5	Limitations		Limitations	
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
Meeks, rubbly	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") >50%	1.00		
Dagget, moist	3	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		
Tallac, very stony	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94
Roadcat	2	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Fragments (>3") 20-35%	0.04
		Slopes > 15%	1.00		
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Jabu	1	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Saturation from 3.5 to 5' depth	0.22
		Saturation from 4 to 6' depth	0.87		

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7486:					
Meeks, extremely bouldery---------	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") >50%	1.00		
Burnlake---------	5	Limitations		Limitations	
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
Meeks, rubbly---------	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") >50%	1.00		
Dagget, moist---------	3	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		
Tallac, very stony---------	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94
Roadcat---------	2	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Fragments (>3") 20-35%	0.04
		Slopes > 15%	1.00		
Aquic Xerorthents---------	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Jabu---------	1	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Saturation from 3.5 to 5' depth	0.22
		Saturation from 4 to 6' depth	0.87		

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7487:					
Meeks, rubbly	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") > 35%	1.00
		Slopes 8 to 15%	0.16		
Burnlake	5	Limitations		Limitations	
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
Rockbound very gravelly loam	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00		
Roadcat	3	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Fragments (>3") 20-35%	0.04
		Slopes > 15%	1.00		
Cagwin	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Cassenai gravelly loamy coarse sand	2	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Rock outcrop	1	Not rated		Not rated	
Rubble land	1	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7488:					
Meeks, rubbly	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") >50%	1.00		
Burnlake	5	Limitations		Limitations	
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
Rockbound very gravelly loam	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00		
Roadcat	3	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Fragments (>3") 20-35%	0.04
		Slopes > 15%	1.00		
Cagwin	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Cassenai gravelly loamy coarse sand	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Rock outcrop	1	Not rated		Not rated	
Rubble land	1	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7489:					
Meeks, rubbly	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") >50%	1.00		
Burnlake	5	Limitations		Limitations	
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
Rockbound very stony loam	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Roadcat	3	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Fragments (>3") 20-35%	0.04
		Slopes > 15%	1.00		
Cassenai gravelly loamy coarse sand	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Cagwin	1	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	1	Not rated		Not rated	
Rubble land	1	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7489:					
Toem	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
7491:					
Oneidas	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Saturation at < 3.5' depth	1.00
				Slopes 2 to 8%	0.17
		Saturation < 4' depth	1.00		
		Seepage in bottom layer	1.00		
Jabu	10	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.50
		Saturation from 4 to 6' depth	0.87	Saturation from 3.5 to 5' depth	0.22
Christopher loamy coarse sand	3	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes 2 to 8%	0.17
Meeks, stony	3	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") 20-35%	0.73
		Fragments (>3") 25 to 50%	0.97	Slopes 2 to 8%	0.33
		Depth to pan 40 to 72"	0.14		
Gefo gravelly loamy coarse sand	2	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.17
		Seepage in bottom layer	1.00		
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7492:					
Oneidas	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Saturation at < 3.5' depth	1.00
				Slopes > 8%	1.00
		Saturation < 4' depth	1.00		
		Seepage in bottom layer	1.00		
Jabu	10	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Saturation from 3.5 to 5' depth	0.22
		Saturation from 4 to 6' depth	0.87		
Christopher loamy coarse sand	3	Limitations		Limitations	
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00		
Meeks, stony	3	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Fragments (>3") 25 to 50%	0.97	Fragments (>3") 20-35%	0.73
		Slopes 8 to 15%	0.16		
Gefo gravelly loamy coarse sand	2	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
		Slopes 8 to 15%	0.16		
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
7500:					
Rock outcrop, granitic	90	Not rated		Not rated	
Rockbound very stony loam	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7500:					
Rubble land	2	Not rated		Not rated	
Toem	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Windyridge	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00		
Freelpeak	1	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Depth to bedrock < 40"	1.00	Permeability > 2"/hr (seepage)	1.00
Jobsis	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
7501:					
Rock outcrop, granitic	50	Not rated		Not rated	
Rockbound very gravelly loam	30	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00		
Dagget, moist	5	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Bedrock (soft) from 40 to 60"	0.50
		Depth to bedrock 40 - 72"	0.81		

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7501:					
Meeks, rubbly	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") > 35%	1.00
		Slopes 8 to 15%	0.16		
Temo	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Seepage in bottom layer	1.00		
Witefels	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Seepage in bottom layer	1.00		
7502:					
Rock outcrop, granitic	50	Not rated		Not rated	
Rockbound very stony loam	25	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Dagget, moist	5	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		
Glenalpine	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") >50%	1.00		
Rubble land	5	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7502:					
Temo	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Witefels	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
7511:					
Shalgran	70	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	15	Not rated		Not rated	
Sofgran	6	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00		
Dystric Xerorthents	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Depth to bedrock < 40"	1.00	Permeability > 2"/hr (seepage)	1.00
Burnlake	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Jobsis	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7511:					
Temo	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
7521:					
Tallac, very stony	75	Limitations		Limitations	
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94
				Slopes 2 to 8%	0.83
Tallac, rubbly	10	Limitations		Limitations	
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94
				Slopes 2 to 8%	0.67
Tallac, moderately well drained	9	Limitations		Limitations	
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94
				Saturation from 3.5 to 5' depth	0.39
Meeks, extremely bouldery	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") > 35%	1.00
		Slopes 8 to 15%	0.16		
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
7522:					
Tallac, very stony	85	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7522:					
Meeks, extremely bouldery---------	10	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") >50%	1.00		
Aquic Xerorthents-----------------	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Cagwin----------------------------	1	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Cassenai gravelly loamy coarse sand-----------------------------	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Dagget, moist----------------------	1	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		
Rockbound very gravelly loam------	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00		
7523:					
Tallac, very stony-----------------	85	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7523:					
Meeks, extremely bouldery---	10	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") >50%	1.00		
Aquic Xerorthents---	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Cagwin---	1	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Cassenai gravelly loamy coarse sand---	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Dagget, moist---	1	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		
Rockbound very stony loam---	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
7524:					
Tallac, moderately well drained---	80	Limitations		Limitations	
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94
				Saturation from 3.5 to 5' depth	0.39

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7524:					
Tallac, moderately well drained, 5 to 9 percent slopes	10	Limitations		Limitations	
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94
				Slopes 2 to 8%	0.83
Meeks, very stony	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") 20-35%	0.97
		Fragments (>3") >50%	0.99	Slopes 2 to 8%	0.33
		Depth to pan 40 to 72"	0.14		
Callat	4	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") 20-35%	0.21
		Fragments (>3") 25 to 50%	0.01		
Tahoe, gravelly	1	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7525:					
Tallac, moderately well drained	80	Limitations		Limitations	
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94
				Slopes 2 to 8%	0.83
Tallac, moderately well drained, 0 to 5 percent slopes	10	Limitations		Limitations	
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94
				Saturation from 3.5 to 5' depth	0.39
Meeks, extremely bouldery	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") > 35%	1.00
		Slopes 8 to 15%	0.16		

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7525:					
Callat	4	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") 20-35%	0.21
		Fragments (>3") 25 to 50%	0.01		
Tahoe, gravelly	1	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
7526:					
Tallac, rubbly	85	Limitations		Limitations	
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94
				Slopes 2 to 8%	0.67
Tallac, moderately well drained	10	Limitations		Limitations	
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94
				Slopes 2 to 8%	0.83
Tallac, very stony	4	Limitations		Limitations	
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94
				Slopes 2 to 8%	0.83
Aquic Xerorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
7531:					
Toem	45	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
Rock outcrop, granitic	40	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7531:					
Cagwin	10	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
7532:					
Toem	45	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop, granitic	40	Not rated		Not rated	
Cagwin	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		
7533:					
Toem	45	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
7533:					
Rock outcrop, granitic	40	Not rated		Not rated	
Cagwin	10	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
7541:					
Ubaj	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.67
		Saturation from 4 to 6' depth	0.40		
Christopher loamy coarse sand	5	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes 2 to 8%	0.50
Jabu	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.50
		Saturation from 4 to 6' depth	0.87	Saturation from 3.5 to 5' depth	0.22
Oneidas	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Saturation at < 3.5' depth	1.00
				Slopes 2 to 8%	0.17
		Saturation < 4' depth	1.00		
		Seepage in bottom layer	1.00		
Gefo gravelly loamy coarse sand	3	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 8%	0.17
		Seepage in bottom layer	1.00		
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9001:					
Bidart mucky silt loam	50	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Bidart, wet	30	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Tahoe, gravelly	5	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Tahoe silt loam	5	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Watah	5	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Water	3	Not rated		Not rated	
Hellhole	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	High organic matter (PT) in 50-150cm	1.00
		Subsidence	1.00	Permeability > 2"/hr (seepage)	1.00
9011:					
Oxyaquic Cryorthents	30	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9011:					
Aquic Xerorthents	28	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Tahoe, gravelly	15	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Bidart mucky silt loam	10	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Watah	10	Limitations		Limitations	
		Flooding	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
Marla	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
Riverwash	2	Not rated		Not rated	
9101:					
Callat	82	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") 20-35%	0.21
		Fragments (>3") 25 to 50%	0.01		
Glenalpine	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") >50%	1.00		

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9101:					
Meeks, extremely bouldery---------	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") >50%	1.00		
Tallac, very stony----------	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94
Rock outcrop----------	2	Not rated		Not rated	
Oxyaquic Cryorthents----------	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9102:					
Callat----------	82	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") 20-35%	0.21
		Fragments (>3") 25 to 50%	0.01		
Glenalpine----------	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") >50%	1.00		
Meeks, extremely bouldery---------	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") >50%	1.00		
Tallac, very stony----------	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Depth to pan 40 to 72"	0.98	Permeability > 2"/hr (seepage)	1.00
		Saturation from 4 to 6' depth	0.94	Depth to pan from 40-60"	0.94

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9102:					
Rock outcrop	2	Not rated		Not rated	
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9111:					
Florand	40	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Depth to bedrock 40 - 72"	0.89	Bedrock (soft) from 40 to 60"	0.71
Lostridge	30	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Fishsnooze	15	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Aquic Haplocryolls	3	Limitations		Limitations	
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Slopes 8 to 15%	0.04	Fragments (>3") 20-35%	0.96
Lithnip, moist	3	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00		
Stumpatil	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.50	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") 20-35%	0.02

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9111:					
Lithnip	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00		
Morscour	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
Typic Cryaquolls	2	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9121:					
Watsonlake	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
		Depth to bedrock 40 - 72"	0.04	Fragments (>3") 20-35%	0.04
Jorge very cobbly fine sandy loam	5	Limitations		Limitations	
		Fragments (>3") >50%	1.00	Fragments (>3") > 35%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.50	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Sky	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
Tahoma	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 25 to 50%	0.14	Fragments (>3") > 35%	1.00
		Slopes 8 to 15%	0.04	Slopes > 8%	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9121:					
Waca	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Ellispeak	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Fragments (>3") 20-35%	0.12
		Seepage in bottom layer	1.00		
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Rock outcrop	1	Not rated		Not rated	
9122:					
Watsonlake	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") 20-35%	0.04
		Depth to bedrock 40 - 72"	0.04		
Jorge very cobbly fine sandy loam	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") > 35%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.50	Permeability > 2"/hr (seepage)	1.00
Tahoma	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.14		
Waca	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9122:					
Sky	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
Ellispeak	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Fragments (>3") 20-35%	0.12
		Seepage in bottom layer	1.00		
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Rock outcrop	1	Not rated		Not rated	
9123:					
Watsonlake	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") 20-35%	0.04
		Depth to bedrock 40 - 72"	0.04		
Jorge very cobbly fine sandy loam	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") > 35%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.50	Permeability > 2"/hr (seepage)	1.00
Tahoma	5	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Fragments (>3") > 35%	1.00
		Fragments (>3") 25 to 50%	0.14		
Waca	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9123:					
Sky	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Permeability > 2"/hr (seepage)	1.00
Ellispeak	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") 20-35%	0.12
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Rock outcrop	1	Not rated		Not rated	
9131:					
Lithnip	40	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00		
Meiss	30	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Hawkinspeak	15	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.50	Permeability .6-2"/hr (some seepage)	0.50
Lostridge	4	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9131:					
Fishsnooze	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	3	Not rated		Not rated	
Hawkinspeak, moist	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.50	Permeability .6-2"/hr (some seepage)	0.50
Aspocket	1	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Depth to bedrock 40 - 72"	0.59	Fragments (>3") 20-35%	0.24
Hawkridge	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability .6-2"/hr (some seepage)	0.50
Typic Cryaquolls	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9141:					
Melody	55	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") > 35%	1.00
Rock outcrop, volcanic	25	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9141:					
Sky	10	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
Mountrose	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.82	Permeability .6-2"/hr (some seepage)	0.50
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 20-35%	0.02
Wardcreek	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
Lithnip	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00		
Meiss	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9142:					
Melody	55	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") > 35%	1.00
Rock outcrop, volcanic	25	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9142:					
Sky	10	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Permeability > 2"/hr (seepage)	1.00
Mountrose	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.82	Permeability .6-2"/hr (some seepage)	0.50
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 20-35%	0.02
Wardcreek	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
Lithnip	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00		
Meiss	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9143:					
Melody	55	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") > 35%	1.00
Rock outcrop, volcanic	25	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9143:					
Sky	10	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Permeability > 2"/hr (seepage)	1.00
Mountrose	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.82	Permeability .6-2"/hr (some seepage)	0.50
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 20-35%	0.02
Wardcreek	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
Lithnip	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00		
Meiss	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9151:					
Shakespeare	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Saturation from 3.5 to 5' depth	0.71
		Saturation < 4' depth	0.99	Permeability .6-2"/hr (some seepage)	0.02

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9151:					
Deerhill	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability < .6"/hr in 24-60" (slow perc)	0.99	Permeability .6-2"/hr (some seepage)	0.32
Mountrose	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.82	Permeability .6-2"/hr (some seepage)	0.50
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 20-35%	0.02
Melody	3	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") > 35%	1.00
Wardcreek	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
Dagget very gravelly loamy coarse sand	2	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Temo	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9151:					
Witefels	1	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
9152:					
Shakespeare	80	Limitations		Limitations	
		Permeability < .6"/hr in 24-60" (slow perc)	1.00	Slopes > 8%	1.00
				Saturation from 3.5 to 5' depth	0.71
		Slopes > 15%	1.00	Permeability .6-2"/hr (some seepage)	0.02
		Saturation < 4' depth	0.99		
Deerhill	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability < .6"/hr in 24-60" (slow perc)	0.99	Permeability .6-2"/hr (some seepage)	0.32
Mountrose	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.82	Permeability .6-2"/hr (some seepage)	0.50
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 20-35%	0.02
Melody	3	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") > 35%	1.00
Wardcreek	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
Dagget very gravelly loamy coarse sand	2	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9152:					
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Temo	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Witefels	1	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
9161:					
Sky	80	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
Melody	10	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") > 35%	1.00
Mountrose	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.82	Permeability .6-2"/hr (some seepage)	0.50
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 20-35%	0.02
Wardcreek	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9161:					
Lithnip	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00		
Meiss	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9162:					
Sky	80	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Permeability > 2"/hr (seepage)	1.00
Melody	10	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") > 35%	1.00
Mountrose	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.82	Permeability .6-2"/hr (some seepage)	0.50
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 20-35%	0.02
Wardcreek	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9162:					
Lithnip	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00		
Meiss	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9163:					
Sky	80	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Permeability > 2"/hr (seepage)	1.00
Melody	10	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") > 35%	1.00
Mountrose	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.82	Permeability .6-2"/hr (some seepage)	0.50
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 20-35%	0.02
Wardcreek	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9163:					
Lithnip	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00		
Meiss	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9164:					
Sky	50	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Fragments (>3") >50%	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
Melody	40	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Fragments (>3") > 35%	1.00
Mountrose	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.82	Permeability .6-2"/hr (some seepage)	0.50
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 20-35%	0.02
Wardcreek	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9164:					
Lithnip	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00		
Meiss	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9165:					
Sky	50	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Permeability > 2"/hr (seepage)	1.00
Melody	40	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") > 35%	1.00
Mountrose	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.82	Permeability .6-2"/hr (some seepage)	0.50
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 20-35%	0.02
Wardcreek	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9165:					
Lithnip	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00		
Meiss	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9166:					
Sky	50	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Permeability > 2"/hr (seepage)	1.00
Melody	40	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") > 35%	1.00
Mountrose	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.82	Permeability .6-2"/hr (some seepage)	0.50
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 20-35%	0.02
Wardcreek	3	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9166:					
Lithnip	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00		
Meiss	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9171:					
Mountrose	35	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.82	Permeability .6-2"/hr (some seepage)	0.50
		Fragments (>3") 25 to 50%	0.19	Fragments (>3") 20-35%	0.02
Wardcreek	25	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (hard) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
Melody	20	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Fragments (>3") > 35%	1.00
Meiss	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9171:					
Rock outcrop	5	Not rated		Not rated	
Rubble land	5	Not rated		Not rated	
Sky	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Fragments (>3") >50%	1.00	Permeability > 2"/hr (seepage)	1.00
9401:					
Dagget very gravelly loamy coarse sand	75	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		
Temo	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Witefels	4	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
Jobsis	3	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
Rock outcrop	3	Not rated		Not rated	
Whittell	3	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Bedrock (soft) < 40" depth	1.00
				Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Depth to bedrock < 40"	1.00		

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9401:					
Cagwin	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Cassenai, moist	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") 20-35%	0.62
Toem	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9402:					
Dagget very gravelly loamy coarse sand	75	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		
Temo	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Witefels	4	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9402:					
Jobsis	3	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	3	Not rated		Not rated	
Whittell	3	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Bedrock (soft) < 40" depth	1.00
				Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
Cagwin	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Cassenai, moist	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") 20-35%	0.62
Toem	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9403:					
Dagget very gravelly loamy coarse sand	75	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9403:					
Temo	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Witefels	4	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
Jobsis	3	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	3	Not rated		Not rated	
Whittell	3	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Cagwin	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Cassenai, moist	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") 20-35%	0.62
Toem	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9403:					
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9404:					
Dagget, moist	80	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Bedrock (soft) from 40 to 60"	0.50
		Depth to bedrock 40 - 72"	0.81		
Cassenai, moist	5	Limitations		Limitations	
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
				Fragments (>3") 20-35%	0.62
Rockbound very gravelly loam	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00		
Jobsis	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	2	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Temo	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Slopes > 8%	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9404:					
Whittell	2	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Bedrock (soft) < 40" depth	1.00
				Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Depth to bedrock < 40"	1.00		
Witefels	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Seepage in bottom layer	1.00		
9405:					
Dagget, moist	80	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		
Cassenai, moist	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") 20-35%	0.62
Rockbound very gravelly loam	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00		
Jobsis	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
Oxyaquic Cryorthents	2	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9405:					
Temo	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Whittell	2	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Bedrock (soft) < 40" depth	1.00
				Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Depth to bedrock < 40"	1.00		
Witefels	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
9406:					
Dagget, moist	80	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		
Cassenai, moist	5	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") 20-35%	0.62
Rockbound very stony loam	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (hard) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Jobsis	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9406:					
Oxyaquic Cryorthents	2	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
Temo	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Whittell	2	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Witefels	2	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
9407:					
Dagget, moist	55	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Bedrock (soft) from 40 to 60"	0.50
Rock outcrop, granitic	25	Not rated		Not rated	
Temo	5	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9407:					
Witefels	5	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
Whittell	4	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Bedrock (soft) < 40" depth	1.00
				Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
Cassenai, moist	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") 20-35%	0.62
Jobsis	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	2	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9411:					
Freelpeak	50	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Depth to bedrock < 40"	1.00	Permeability > 2"/hr (seepage)	1.00
Windyridge	25	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00		
Rock outcrop	10	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9411:					
Jobsis	8	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Whittell	3	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Waterpeak	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 25 to 50%	0.76	Fragments (>3") > 35%	1.00
Buggin	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00		
Glaciers	1	Not rated		Not rated	
9421:					
Jobsis	45	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Whittell	25	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Bedrock (soft) < 40" depth	1.00
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Depth to bedrock < 40"	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	15	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9421:					
Typic Cryorthents, 8 to 30 percent slopes	4	Limitations		Limitations	
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Bedrock (soft) < 40" depth	0.99
Windyridge	4	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00		
Klauspeak	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00		
Shalgran	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Buggin	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00		
Typic Cryorthents, 4 to 30 percent slopes	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
Waterpeak	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 25 to 50%	0.76	Fragments (>3") > 35%	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9431:					
Sofgran	40	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00		
Klauspeak	30	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00		
Temo	15	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	4	Not rated		Not rated	
Shalgran	4	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Xeric Humicryepts	3	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00		
Stumpatil	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Permeability .6 - 2"/hr (slow perc)	0.50	Permeability > 2"/hr (seepage)	1.00
				Fragments (>3") 20-35%	0.02
Aquic Haplocryolls	1	Limitations		Limitations	
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Slopes > 8%	1.00
		Slopes > 15%	1.00	Fragments (>3") 20-35%	0.96

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9431:					
Hopeval	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00	Saturation from 3.5 to 5' depth	0.50
9441:					
Temo	45	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Seepage in bottom layer	1.00		
Witefels	35	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 8%	1.00
		Seepage in bottom layer	1.00		
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		
Cagwin	4	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Slopes 8 to 15%	0.16	Slopes > 8%	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9442:					
Temo	45	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9442:					
Witefels	35	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		
Cagwin	4	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9443:					
Temo	45	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Witefels	35	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	10	Not rated		Not rated	

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9443:					
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		
Cagwin	4	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9444:					
Temo	45	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Witefels	35	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Slopes > 15%	1.00	Bedrock (soft) from 40 to 60"	0.50
		Seepage in bottom layer	1.00		
Cagwin	4	Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock (soft) < 40" depth	1.00
		Depth to bedrock < 40"	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9444:					
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Flooding	1.00	Flooding >= occasional	1.00
		Saturation < 4' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Slopes > 8%	1.00
9451:					
Waterpeak	80	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 25 to 50%	0.76	Fragments (>3") > 35%	1.00
Rock outcrop	10	Not rated		Not rated	
Shalgran	4	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Typic Cryorthents	4	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Bedrock (soft) < 40" depth	0.99
Pachic Haplocryolls	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Depth to bedrock 40 - 72"	0.01	Fragments (>3") 20-35%	0.04
9461:					
Whittell	45	Limitations		Limitations	
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00	Bedrock (soft) < 40" depth	1.00
				Slopes > 8%	1.00
		Slopes > 15%	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
Jobsis	25	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
9461:					
Rock outcrop	15	Not rated		Not rated	
Jobsis, 8 to 30 percent slopes	4	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
				Permeability > 2"/hr (seepage)	1.00
		Seepage in bottom layer	1.00		
Windyridge	4	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00		
Klauspeak	2	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Permeability > 6"/hr in 24-60" (seepage and poor filter)	1.00		
Shalgran	2	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Buggin	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00		
Typic Cryorthents	1	Limitations		Limitations	
		Depth to bedrock < 40"	1.00	Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Restricted permeability due to bedrock or hardpan	1.00	Permeability > 2"/hr (seepage)	1.00
Waterpeak	1	Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 8%	1.00
		Seepage in bottom layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 25 to 50%	0.76	Fragments (>3") > 35%	1.00

Table 17a.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Limitations	Value	Limitations	Value
W:					
Water	100	Not rated		Not rated	

The interpretation for septic tank absorption fields evaluates the following soil properties at variable depths in the soil: flooding; ponding; wetness; slope; subsidence of organic soils; depth to hard or soft bedrock; depth to a cemented pan; permeability that is too rapid, allowing seepage; and permeability that is too slow or an impermeable layer at a shallow depth.

The interpretation for sewage lagoons evaluates the following soil properties at variable depths in the soil: flooding, ponding, wetness, slope, organic Unified classes for low strength (PT, OL, and OH), depth to hard or soft bedrock, depth to a cemented pan, fragments larger than 3 inches in size, and permeability that is too rapid, allowing seepage.

Table 17b.--Sanitary Facilities

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. The rating is based on the limitation with the highest value. Only the three highest value limitations are listed. There may be more limitations. Fine-earth fractions and coarse fragments are reported on a weight basis. An explanation of the rating criteria and of the abbreviations used in describing the limitations is given at the end of the table)

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7011:							
Beaches	64	Not rated		Not rated		Not rated	
Oxyaquic Xeropsamments	10	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
Watah	7	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Gefo, barrier beach	6	Limitations		Limitations		Limitations	
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
						Fragments (<75mm) 25-50%	0.62
Marla	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Cagwin	1	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Sandy textures	1.00	Slopes 8 to 15%	0.16	Permeability > 2.0 in/hr	0.99
		Seepage in bottom layer	1.00				
Cassenai gravelly loamy coarse sand	1	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Sandy textures	0.50
		Slopes 8 to 15%	0.16			Fragments (<75mm) 25-50%	0.29
Dunes	1	Not rated		Not rated		Not rated	

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7011:							
Jorge very gravelly sandy loam	1	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
				Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe silt loam	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Tahoma	1	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Silt or clay textures from 10-60"	0.50
				Slopes 8 to 15%	0.04		
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
		Fragments (3-10") 15-35%	0.08			Slopes 8 to 15%	0.04
Toem	1	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Sandy textures	1.00
		Sandy textures	1.00			Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
7021:							
Hellhole	80	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Bidart, wet	10	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.99
Watah	5	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Water	5	Not rated		Not rated		Not rated	

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7031:							
Pits	45	Not rated		Not rated		Not rated	
Dumps	45	Not rated		Not rated		Not rated	
Arents	5	Not rated		Not rated		Not rated	
Xerorthents	5	Not rated		Not rated		Not rated	
7041:							
Tahoe silt loam	55	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Tahoe silt loam, wet	25	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Packing (OL, OH, CH, or MH)	1.00
Marla	10	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Tahoe, gravelly	5	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Watah	5	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
7042:							
Tahoe, gravelly	55	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7042:							
Tahoe, gravelly, wet----	25	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Marla----------	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Riverwash----------	5	Not rated		Not rated		Not rated	
Tahoe silt loam---------	5	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Watah----------	5	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
7043:							
Tahoe, drained----------	80	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Packing (OL, OH, CH, or MH)	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.99
Marla----------	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Tahoe, gravelly---------	5	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7043:							
Tahoe silt loam, wet----	5	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Packing (OL, OH, CH, or MH)	1.00
Watah----------	5	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
7051:							
Oxyaquic Xerorthents----	60	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Sandy textures	1.00			Fragments (<75mm) 25-50%	0.66
		Organic matter (PT, OL, or OH)	1.00			Saturation from 18 to 40" depth	0.01
Water----------	38	Not rated		Not rated		Not rated	
Marla----------	1	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Watah----------	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
7061:							
Urban land----------	100	Not rated		Not rated		Not rated	
7071:							
Watah----------	75	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Tahoe, gravelly, wet----	9	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7071:							
Tahoe silt loam, wet----	8	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Packing (OL, OH, CH, or MH)	1.00
Marla----------	3	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Bidart, wet----------	2	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.99
Water----------	2	Not rated		Not rated		Not rated	
Hellhole----------	1	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
7101:							
Caverock----------	80	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
Cagwin----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
Cassenai gravelly loamy coarse sand----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7101:							
Deerhill	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
Genoapeak	2	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Fragments (3-10") > 35%	1.00	Slopes > 15%	1.00	Fragments (>3") > 50%	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00
Southcamp	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") > 35%	1.00			Fragments (>3") > 50%	1.00
		Clay loam, silty clay, silty clay loam	0.50			Silt or clay textures from 10-60"	0.50
Zephyrcove	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
7111:							
Deerhill	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50
Cagwin	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7111:							
Shakespeare	3	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
Southcamp	3	Limitations		Limitations		Limitations	
		Fragments (3-10") > 35%	1.00	Slopes > 15%	1.00	Fragments (>3") > 50%	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00
		Clay loam, silty clay, silty clay loam	0.50			Silt or clay textures from 10-60"	0.50
Zephyrcove	3	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
Genoapeak	2	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Fragments (3-10") > 35%	1.00	Slopes > 15%	1.00	Fragments (>3") > 50%	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
7112:							
Deerhill	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7112:							
Cagwin	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
Shakespeare	3	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Saturation < 5' depth	1.00	Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
Southcamp	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") > 35%	1.00			Fragments (>3") > 50%	1.00
		Clay loam, silty clay, silty clay loam	0.50			Silt or clay textures from 10-60"	0.50
Zephyrcove	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
Genoapeak	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Fragments (3-10") > 35%	1.00			Fragments (>3") > 50%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
7121:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7121:							
Rock outcrop, volcanic--	40	Not rated		Not rated		Not rated	
Waca	10	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
				Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Kneeridge, well drained	2	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.63
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
						Fragments (<75mm) 25-50%	0.14
Paige	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7122:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Rock outcrop, volcanic--	40	Not rated		Not rated		Not rated	
Waca	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Kneeridge, well drained	3	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.63
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
						Fragments (<75mm) 25-50%	0.14

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7122:							
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
Paige-------------------	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7123:							
Ellispeak---------------	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Rock outcrop, volcanic--	40	Not rated		Not rated		Not rated	
Waca--------------------	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Kneeridge, well drained	3	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.63
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
						Fragments (<75mm) 25-50%	0.14
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
Paige-------------------	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7131:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00			Slopes > 15%	1.00
		Slopes > 15%	1.00				
Waca	40	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
				Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
				Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Bedrock depth from 40-60"	0.50	Depth to bedrock from 40-60"	0.50
		Seepage in bottom layer	1.00				
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80		
						Slopes 8 to 15%	0.16
7132:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Waca	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Rock outcrop	10	Not rated		Not rated		Not rated	

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7132:							
Windy	4	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Bedrock depth from 40-60"	0.50	Depth to bedrock from 40-60"	0.50
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
7133:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
Waca	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Bedrock depth from 40-60"	0.50	Depth to bedrock from 40-60"	0.50
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7141:							
Inville	80	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.71
		Fragments (3-10") 15-35%	0.92			Permeability > 2.0 in/hr	0.50
						Fragments (>3") 25-50%	0.16
Christopher loamy coarse sand	10	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Sandy textures	0.50
Cassenai gravelly loamy coarse sand	4	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Sandy textures	0.50
		Slopes 8 to 15%	0.16			Fragments (<75mm) 25-50%	0.29
Jorge very gravelly sandy loam	3	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
				Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Kingsbeach	2	Limitations		No limitations		Limitations	
		Saturation < 6' depth	1.00			Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
7142:							
Inville	80	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.71
		Fragments (3-10") 15-35%	0.92	Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63
		Slopes 8 to 15%	0.63			Permeability > 2.0 in/hr	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7142:							
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Sandy textures	0.50
		Slopes 8 to 15%	0.16			Fragments (<75mm) 25-50%	0.29
Christopher gravelly loamy coarse sand	4	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	0.50			Sandy textures	0.50
Jorge very gravelly sandy loam	3	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
				Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Meeks, extremely bouldery	2	Limitations		Limitations		Limitations	
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Fragments (>3") > 50%	1.00
		Depth to thin cemented pan	0.50			Sandy textures	0.50
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80		
						Slopes 8 to 15%	0.16
7143:							
Inville	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.71
		Fragments (3-10") 15-35%	0.92			Permeability > 2.0 in/hr	0.50
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7143:							
Christopher gravelly loamy coarse sand	4	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	0.50			Sandy textures	0.50
Jorge very gravelly sandy loam	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
				Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
Meeks, extremely bouldery	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80		
						Slopes 8 to 15%	0.16
7151:							
Jorge very cobbly fine sandy loam	80	Limitations		Limitations		Limitations	
		Fragments (3-10") > 35%	1.00	Seepage in 20-40" depth	1.00	Fragments (>3") > 50%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Tahoma	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50	Slopes 8 to 15%	0.04	Clay loam, silty clay, silty clay loam	0.50
		Fragments (3-10") 15-35%	0.08			Slopes 8 to 15%	0.04
Waca	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7151:							
Jorge very cobbly loam--	4	Limitations		Limitations		Limitations	
		Fragments (3-10") 15-35%	0.95	Slopes 8 to 15%	0.04	Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
		Slopes 8 to 15%	0.04			Fragments (<75mm) 25-50%	0.34
Ellispeak----------	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00
Sky----------	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") > 50%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
Rock outcrop----------	1	Not rated		Not rated		Not rated	
7152:							
Jorge very cobbly fine sandy loam----------	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") > 35%	1.00	Seepage in 20-40" depth	1.00	Fragments (>3") > 50%	1.00
Tahoma----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7152:							
Waca	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
				Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Jorge very cobbly loam	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.95			Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
Ellispeak	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00			Slopes > 15%	1.00
		Slopes > 15%	1.00				
Sky	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Fragments (>3") > 50%	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80		
						Slopes 8 to 15%	0.16
Rock outcrop	1	Not rated		Not rated		Not rated	
7153:							
Jorge very cobbly fine sandy loam	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") > 35%	1.00	Seepage in 20-40" depth	1.00	Fragments (>3") > 50%	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7153:							
Tahoma	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
Waca	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
Jorge very cobbly loam--	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.95			Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
Ellispeak	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
Sky	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (>3") > 50%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
Rock outcrop	1	Not rated		Not rated		Not rated	

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7154:							
Jorge very cobbly loam--	75	Limitations		Limitations		Limitations	
		Fragments (3-10") 15-35%	0.95	Slopes 8 to 15%	0.04	Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
		Slopes 8 to 15%	0.04			Fragments (<75mm) 25-50%	0.34
Rubble land----------	10	Not rated		Not rated		Not rated	
Tahoma----------	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50	Slopes 8 to 15%	0.04	Clay loam, silty clay, silty clay loam	0.50
		Fragments (3-10") 15-35%	0.08			Slopes 8 to 15%	0.04
Ellispeak----------	3	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00
Rock outcrop----------	3	Not rated		Not rated		Not rated	
Waca----------	3	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
Tahoe, gravelly---------	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7155:							
Jorge very cobbly loam--	75	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.95			Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7155:							
Rubble land	10	Not rated		Not rated		Not rated	
Tahoma	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
Ellispeak	3	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Waca	3	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7156:							
Jorge very gravelly sandy loam	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
				Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
Tahoma	35	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7156:							
Waca	10	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
				Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Inville	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.71
		Fragments (3-10") 15-35%	0.92			Permeability > 2.0 in/hr	0.50
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00			Slopes > 15%	1.00
		Slopes > 15%	1.00				
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7157:							
Jorge very gravelly sandy loam	55	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
				Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
Tahoma	25	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7157:							
Waca	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Inville	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.71
		Fragments (3-10") 15-35%	0.92			Permeability > 2.0 in/hr	0.50
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7161:							
Kingsbeach	80	Limitations		No limitations		Limitations	
		Saturation < 6' depth	1.00			Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
Tahoma	10	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Silt or clay textures from 10-60"	0.50
				Slopes 8 to 15%	0.04		
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
		Fragments (3-10") 15-35%	0.08			Slopes 8 to 15%	0.04

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7161:							
Jorge very gravelly sandy loam	8	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
				Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Beaches	1	Not rated		Not rated		Not rated	
Dunes	1	Not rated		Not rated		Not rated	
7171:							
Kneeridge, extremely stony	80	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.63
						Fragments (<75mm) 25-50%	0.14
Jorge very gravelly sandy loam	9	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
				Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Paige	5	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
				Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Waca	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
				Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7172:							
Kneeridge, well drained	80	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.63
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
						Fragments (<75mm) 25-50%	0.14

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7172:							
Jorge very gravelly sandy loam	9	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
				Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Paige	5	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
				Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Waca	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
				Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7173:							
Kneeridge, very stony	80	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.63
						Fragments (<75mm) 25-50%	0.14
Jorge very gravelly sandy loam	9	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
				Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Paige	5	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
				Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Waca	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
				Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7173:							
Tahoe, gravelly---------	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7174:							
Kneeridge, very stony---	80	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.63
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
						Fragments (<75mm) 25-50%	0.14
Jorge very gravelly sandy loam----------	9	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
				Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Paige-------------------	5	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
				Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Waca--------------------	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
				Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Tahoe, gravelly---------	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7181:							
Paige-------------------	80	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.16	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
				Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Kneeridge, well drained	7	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.63
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
						Fragments (<75mm) 25-50%	0.14

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7181:							
Jorge very gravelly sandy loam	6	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
				Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Tahoe, gravelly	5	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Waca	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
				Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
7182:							
Paige	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Jorge very gravelly sandy loam	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
				Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
Tahoma	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
Waca	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
				Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7182:							
Kneeridge, well drained	4	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.63
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
						Fragments (<75mm) 25-50%	0.14
Tahoe, gravelly---------	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7183:							
Paige-------------------	84	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Jorge very gravelly sandy loam----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
				Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
Tahoma------------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
Waca--------------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
Tahoe, gravelly---------	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7191:							
Rock outcrop, volcanic--	90	Not rated		Not rated		Not rated	

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7191:							
Glenalpine	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") > 35%	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
						Fragments (>3") > 50%	1.00
Lithnip	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00			Slopes > 15%	1.00
Meiss	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	0.50
Melody	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Fragments (3-10") > 35%	1.00			Fragments (>3") > 50%	1.00
Rubble land	2	Not rated		Not rated		Not rated	
7201:							
Rubble land, talus	45	Not rated		Not rated		Not rated	
Glenalpine	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") > 35%	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
						Fragments (>3") > 50%	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Rockbound very stony loam	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7211:							
Southcamp	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") > 35%	1.00			Fragments (>3") > 50%	1.00
		Clay loam, silty clay, silty clay loam	0.50			Silt or clay textures from 10-60"	0.50
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50
Genoapeak	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Fragments (3-10") > 35%	1.00			Fragments (>3") > 50%	1.00
Zephyrcove	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
Cagwin	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
Deerhill	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7221:							
Tahoma	80	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Silt or clay textures from 10-60"	0.50
				Slopes 8 to 15%	0.04		
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
		Fragments (3-10") 15-35%	0.08			Slopes 8 to 15%	0.04
Waca	10	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
				Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Inville	4	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.71
		Fragments (3-10") 15-35%	0.92	Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63
		Slopes 8 to 15%	0.63			Permeability > 2.0 in/hr	0.50
Rubble land	3	Not rated		Not rated		Not rated	
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80		
						Slopes 8 to 15%	0.16
Ellispeak	1	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00			Slopes > 15%	1.00
		Slopes > 15%	1.00				
Rock outcrop	1	Not rated		Not rated		Not rated	
7222:							
Tahoma	50	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Silt or clay textures from 10-60"	0.50
				Slopes 8 to 15%	0.04		
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
		Fragments (3-10") 15-35%	0.08			Slopes 8 to 15%	0.04

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7222:							
Jorge very gravelly sandy loam	30	Limitations		Limitations		Limitations	
		Slopes 8 to 15%	0.04	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
				Slopes 8 to 15%	0.04	Slopes 8 to 15%	0.04
Waca	10	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
Inville	5	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.71
		Fragments (3-10") 15-35%	0.92	Slopes 8 to 15%	0.63	Slopes 8 to 15%	0.63
		Slopes 8 to 15%	0.63			Permeability > 2.0 in/hr	0.50
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7231:							
Waca	80	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7231:							
Ellispeak	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00			Slopes > 15%	1.00
		Slopes > 15%	1.00				
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
				Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Bedrock depth from 40-60"	0.50	Depth to bedrock from 40-60"	0.50
		Seepage in bottom layer	1.00				
Kneeridge, well drained	2	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.63
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
						Fragments (<75mm) 25-50%	0.14
Paige	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80		
						Slopes 8 to 15%	0.16
7232:							
Waca	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Ellispeak	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Rock outcrop	5	Not rated		Not rated		Not rated	

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7232:							
Windy	4	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
				Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Bedrock depth from 40-60"	0.50	Depth to bedrock from 40-60"	0.50
		Seepage in bottom layer	1.00				
Kneeridge, well drained	2	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.63
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
						Fragments (<75mm) 25-50%	0.14
Paige	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80		
						Slopes 8 to 15%	0.16
Typic Epiaquents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
7233:							
Waca	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Ellispeak	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Rock outcrop	5	Not rated		Not rated		Not rated	

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7233:							
Windy	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Bedrock depth from 40-60"	0.50	Depth to bedrock from 40-60"	0.50
Kneeridge, well drained	2	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.63
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
						Fragments (<75mm) 25-50%	0.14
Paige	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
7241:							
Zephyrcove	50	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
Southcamp	20	Limitations		Limitations		Limitations	
		Fragments (3-10") > 35%	1.00	Slopes > 15%	1.00	Fragments (>3") > 50%	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00
		Clay loam, silty clay, silty clay loam	0.50			Silt or clay textures from 10-60"	0.50
Genoapeak	17	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Fragments (3-10") > 35%	1.00	Slopes > 15%	1.00	Fragments (>3") > 50%	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7241:							
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50
Deerhill	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
7242:							
Zephyrcove	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
Southcamp	20	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") > 35%	1.00			Fragments (>3") > 50%	1.00
		Clay loam, silty clay, silty clay loam	0.50			Silt or clay textures from 10-60"	0.50
Genoapeak	17	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Fragments (3-10") > 35%	1.00			Fragments (>3") > 50%	1.00
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7242:							
Deerhill	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
7401:							
Burnlake	60	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Slopes > 15%	1.00
Roadcat	25	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Slopes > 15%	1.00
Hardtil	4	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
		Seepage in bottom layer	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00			Permeability > 2.0 in/hr	1.00
Aquic Haplocryolls	2	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Fragments (<75mm) > 50%	1.00
		Seepage in bottom layer	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
Aspetill	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.82			Fragments (<75mm) 25-50%	0.97
						Fragments (>3") 25-50%	0.37
Cumulic Cryaquolls	2	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Fragments (<75mm) > 50%	1.00
		Saturation < 6' depth	1.00	Slopes > 15%	1.00	Saturation < 18" depth	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7401:							
Stumpatil	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.04	Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.88
						Fragments (>3") 25-50%	0.01
Typic Haploxerepts	2	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Slopes > 15%	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
7411:							
Cagwin	50	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Sandy textures	1.00	Slopes 8 to 15%	0.16	Permeability > 2.0 in/hr	0.99
		Seepage in bottom layer	1.00				
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Sandy textures	0.50
		Slopes 8 to 15%	0.16			Fragments (<75mm) 25-50%	0.29
Toem	10	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Sandy textures	1.00
		Sandy textures	1.00			Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
		Seepage in bottom layer	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7411:							
Temo	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Sandy textures	1.00	Slopes 8 to 15%	0.16	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
Witefels	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Sandy textures	0.50
Marla	1	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7412:							
Cagwin	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50
Toem	10	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Sandy textures	1.00	Slopes > 15%	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7412:							
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
Temo	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Witefels	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Marla	1	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7413:							
Cagwin	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7413:							
Toem	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
Temo	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Witefels	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Marla	1	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7414:							
Cagwin	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7414:							
Cassenai gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50
Toem	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
Temo	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Witefels	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Marla	1	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7421:							
Cassenai gravelly loamy coarse sand	78	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Sandy textures	0.50
		Slopes 8 to 15%	0.16			Fragments (<75mm) 25-50%	0.29
Cagwin	12	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Sandy textures	1.00	Slopes 8 to 15%	0.16	Permeability > 2.0 in/hr	0.99
		Seepage in bottom layer	1.00				
Toem	4	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Sandy textures	1.00
		Sandy textures	1.00			Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Rock outcrop	3	Not rated		Not rated		Not rated	
Christopher loamy coarse sand	1	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Sandy textures	0.50
Christopher gravelly loamy coarse sand	1	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	0.50			Sandy textures	0.50
Marla	1	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00		
						Permeability > 2.0 in/hr	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7422:							
Cassenai gravelly loamy coarse sand	73	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50
Cagwin	12	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Sandy textures	1.00				
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
		Seepage in bottom layer	1.00				
Toem	4	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Sandy textures	1.00
		Sandy textures	1.00			Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Aquic Xerorthents	2	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80		
						Slopes 8 to 15%	0.16
Christopher gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	0.50			Sandy textures	0.50
Rock outcrop	2	Not rated		Not rated		Not rated	

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7423:							
Cassenai gravelly loamy coarse sand	78	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50
Cagwin	12	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Sandy textures	1.00				
Toem	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Sandy textures	1.00
		Sandy textures	1.00				
Rock outcrop	3	Not rated		Not rated		Not rated	
Christopher gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	0.50			Sandy textures	0.50
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80		
						Slopes 8 to 15%	0.16
7424:							
Cassenai gravelly loamy coarse sand	78	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7424:							
Cagwin	12	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
Toem	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Rock outcrop	4	Not rated		Not rated		Not rated	
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
7425:							
Cassenai, moist	80	Limitations		Limitations		Limitations	
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00	Slopes 8 to 15%	0.16	Permeability > 2.0 in/hr	0.50
		Slopes 8 to 15%	0.16			Slopes 8 to 15%	0.16
Cagwin	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00	Slopes 8 to 15%	0.16	Permeability > 2.0 in/hr	0.99
Meeks, extremely bouldery	5	Limitations		Limitations		Limitations	
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Fragments (>3") > 50%	1.00
		Depth to thin cemented pan	0.50			Sandy textures	0.50
Tallac, very stony	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
		Fragments (3-10") 15-35%	0.05			Fragments (<75mm) 25-50%	0.23

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7425:							
Rock outcrop	2	Not rated		Not rated		Not rated	
Toem	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Sandy textures	1.00
		Sandy textures	1.00			Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Marla	1	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00		
						Permeability > 2.0 in/hr	0.50
7426:							
Cassenai, moist	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	0.50
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Sandy textures	1.00				
Tallac, very stony	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
Meeks, extremely bouldery	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00
Rock outcrop	2	Not rated		Not rated		Not rated	

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7426:							
Toem	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Sandy textures	1.00
		Sandy textures	1.00			Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80		
						Slopes 8 to 15%	0.16
Marla	1	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00		
						Permeability > 2.0 in/hr	0.50
7427:							
Cassenai, moist	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	0.50
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Sandy textures	1.00				
Meeks, extremely bouldery	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00
Toem	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Rock outcrop	2	Not rated		Not rated		Not rated	

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7427:							
Tallac, very stony------	2	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80		
						Slopes 8 to 15%	0.16
7428:							
Cassenai, moist---------	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	0.50
Cagwin------------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Sandy textures	1.00				
Meeks, extremely bouldery----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00
Toem--------------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Sandy textures	1.00
		Sandy textures	1.00				
Rock outcrop------------	2	Not rated		Not rated		Not rated	
Tallac, very stony------	2	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7428:							
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80		
						Slopes 8 to 15%	0.16
7431:							
Celio	80	Limitations		Limitations		Limitations	
		Saturation < 2' depth (perched)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Saturation from 1.5 to 3' depth	0.94	Permeability > 2.0 in/hr	1.00
		Ponding (any duration)	1.00				
Meeks, stony	7	Limitations		Limitations		Limitations	
		Fragments (3-10") 15-35%	0.74	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00
		Depth to thin cemented pan	0.50			Sandy textures	0.50
Tahoe, gravelly	5	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Marla	4	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00		
						Permeability > 2.0 in/hr	0.50
Watah	4	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
7441:							
Christopher loamy coarse sand	80	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Sandy textures	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7441:							
Gefo gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
						Fragments (<75mm) 25-50%	0.62
Jabu	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	0.50
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.01
				Depth to pan 40-60"	0.77		
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Depth to pan < 40"	1.00	Saturation < 18" depth	1.00
		Seepage in bottom layer	1.00	Saturation < 5' depth	1.00		
Marla	2	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00		
						Permeability > 2.0 in/hr	0.50
7442:							
Christopher loamy coarse sand	80	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	0.50			Sandy textures	0.50
Gefo gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00	Slopes 8 to 15%	0.16	Permeability > 2.0 in/hr	1.00
		Slopes 8 to 15%	0.16			Fragments (<75mm) 25-50%	0.62
Jabu	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	0.50
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.01

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7442:							
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Depth to pan < 40"	1.00	Saturation < 18" depth	1.00
		Seepage in bottom layer	1.00	Saturation < 5' depth	1.00	Slopes 8 to 15%	0.16
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16		
Marla	2	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7443:							
Christopher gravelly loamy coarse sand	80	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	0.50			Sandy textures	0.50
Gefo gravelly loamy coarse sand	10	Limitations		Limitations		Limitations	
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00	Slopes 8 to 15%	0.16	Permeability > 2.0 in/hr	1.00
		Slopes 8 to 15%	0.16			Fragments (<75mm) 25-50%	0.62
Jabu	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	0.50
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.01
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Depth to pan < 40"	1.00	Saturation < 18" depth	1.00
		Seepage in bottom layer	1.00	Saturation < 5' depth	1.00	Slopes 8 to 15%	0.16
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16		
Marla	2	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7444:							
Christopher loamy coarse sand	45	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Sandy textures	0.50
Gefo gravelly loamy coarse sand	35	Limitations		Limitations		Limitations	
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
						Fragments (<75mm) 25-50%	0.62
Jabu	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	0.50
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.01
				Depth to pan 40-60"	0.77		
Marla	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Oneidas	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Depth to pan < 40"	1.00	Saturation < 18" depth	1.00
		Seepage in bottom layer	1.00	Saturation < 5' depth	1.00		
Ubaj	5	Limitations		No limitations		Limitations	
		Saturation < 6' depth	1.00			Packing (OL, OH, CH, or MH)	1.00
		Clay or silty clay	1.00			Clay or silty clay	1.00
						Silt or clay textures from 10-60"	0.50
7451:							
Gefo gravelly loamy coarse sand	80	Limitations		Limitations		Limitations	
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
						Fragments (<75mm) 25-50%	0.62

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7451:							
Christopher loamy coarse sand	10	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Sandy textures	0.50
Jabu	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	0.50
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.01
				Depth to pan 40-60"	0.77		
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Depth to pan < 40"	1.00	Saturation < 18" depth	1.00
		Seepage in bottom layer	1.00	Saturation < 5' depth	1.00		
Marla	2	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7452:							
Gefo gravelly loamy coarse sand	80	Limitations		Limitations		Limitations	
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00	Slopes 8 to 15%	0.16	Permeability > 2.0 in/hr	1.00
		Slopes 8 to 15%	0.16			Fragments (<75mm) 25-50%	0.62
Christopher loamy coarse sand	10	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	0.50			Sandy textures	0.50
Jabu	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	0.50
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.01
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Depth to pan < 40"	1.00	Saturation < 18" depth	1.00
		Seepage in bottom layer	1.00	Saturation < 5' depth	1.00	Slopes 8 to 15%	0.16
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16		

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7452:							
Marla	2	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7461:							
Jabu	80	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	0.50
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.01
				Depth to pan 40-60"	0.77		
Christopher loamy coarse sand	10	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Sandy textures	0.50
Oneidas	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Depth to pan < 40"	1.00	Saturation < 18" depth	1.00
		Seepage in bottom layer	1.00	Saturation < 5' depth	1.00		
Gefo gravelly loamy coarse sand	3	Limitations		Limitations		Limitations	
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
						Fragments (<75mm) 25-50%	0.62
Marla	2	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7462:							
Jabu	80	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	0.50
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.01

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7462:							
Christopher loamy coarse sand	10	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	0.50			Sandy textures	0.50
Oneidas	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Depth to pan < 40"	1.00	Saturation < 18" depth	1.00
		Seepage in bottom layer	1.00	Saturation < 5' depth	1.00	Slopes 8 to 15%	0.16
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16		
Gefo gravelly loamy coarse sand	3	Limitations		Limitations		Limitations	
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00	Slopes 8 to 15%	0.16	Permeability > 2.0 in/hr	1.00
		Slopes 8 to 15%	0.16			Fragments (<75mm) 25-50%	0.62
Marla	2	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7471:							
Marla	80	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Christopher loamy coarse sand	4	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Sandy textures	0.50
Gefo gravelly loamy coarse sand	4	Limitations		Limitations		Limitations	
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
						Fragments (<75mm) 25-50%	0.62

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7471:							
Tahoe silt loam---------	4	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Ubaj---------------------	4	Limitations		No limitations		Limitations	
		Saturation < 6' depth	1.00			Packing (OL, OH, CH, or MH)	1.00
		Clay or silty clay	1.00			Clay or silty clay	1.00
						Silt or clay textures from 10-60"	0.50
Watah--------------------	4	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
7481:							
Meeks, stony------------	85	Limitations		Limitations		Limitations	
		Fragments (3-10") 15-35%	0.74	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00
		Depth to thin cemented pan	0.50			Sandy textures	0.50
Cassenai gravelly loamy coarse sand------------	5	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Sandy textures	0.50
		Slopes 8 to 15%	0.16			Fragments (<75mm) 25-50%	0.29
Celio--------------------	5	Limitations		Limitations		Limitations	
		Saturation < 2' depth (perched)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Saturation from 1.5 to 3' depth	0.94	Permeability > 2.0 in/hr	1.00
		Ponding (any duration)	1.00				
Gefo gravelly loamy coarse sand------------	4	Limitations		Limitations		Limitations	
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
						Fragments (<75mm) 25-50%	0.62

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7481:							
Tahoe, gravelly---------	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7482:							
Meeks, stony----------	80	Limitations		Limitations		Limitations	
		Fragments (3-10") 15-35%	0.74	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Fragments (>3") > 50%	1.00
		Depth to thin cemented pan	0.50			Sandy textures	0.50
Cassenai gravelly loamy coarse sand----------	10	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Sandy textures	0.50
		Slopes 8 to 15%	0.16			Fragments (<75mm) 25-50%	0.29
Oneidas----------	7	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Depth to pan < 40"	1.00	Saturation < 18" depth	1.00
		Seepage in bottom layer	1.00	Saturation < 5' depth	1.00	Slopes 8 to 15%	0.16
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16		
Celio----------	3	Limitations		Limitations		Limitations	
		Saturation < 2' depth (perched)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Saturation from 1.5 to 3' depth	0.94	Permeability > 2.0 in/hr	1.00
		Ponding (any duration)	1.00				
7483:							
Meeks, very stony-------	85	Limitations		Limitations		Limitations	
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00
		Depth to thin cemented pan	0.50			Sandy textures	0.50
Cassenai gravelly loamy coarse sand----------	5	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Sandy textures	0.50
		Slopes 8 to 15%	0.16			Fragments (<75mm) 25-50%	0.29

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7483:							
Celio	5	Limitations		Limitations		Limitations	
		Saturation < 2' depth (perched)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Saturation from 1.5 to 3' depth	0.94	Permeability > 2.0 in/hr	1.00
		Ponding (any duration)	1.00				
Jabu	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	0.50
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.01
				Depth to pan 40-60"	0.77		
7484:							
Meeks, extremely bouldery	80	Limitations		Limitations		Limitations	
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Fragments (>3") > 50%	1.00
		Depth to thin cemented pan	0.50			Sandy textures	0.50
Burnlake	5	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Slopes > 15%	1.00
Meeks, rubbly	5	Limitations		Limitations		Limitations	
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Fragments (>3") > 50%	1.00
		Depth to thin cemented pan	0.50			Sandy textures	0.50
Dagget, moist	3	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
		Seepage in bottom layer	1.00	Slopes 8 to 15%	0.16	Depth to bedrock from 40-60"	0.50
		Sandy textures	0.50				
Tallac, very stony	3	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
		Fragments (3-10") 15-35%	0.05			Fragments (<75mm) 25-50%	0.23

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7484:							
Roadcat	2	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Slopes > 15%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80		
						Slopes 8 to 15%	0.16
Jabu	1	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	0.50
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.01
7485:							
Meeks, extremely bouldery	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00
Burnlake	5	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Slopes > 15%	1.00
Meeks, rubbly	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00
Dagget, moist	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
		Seepage in bottom layer	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7485:							
Tallac, very stony------	3	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
Roadcat-----------------	2	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Slopes > 15%	1.00
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
Jabu--------------------	1	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	0.50
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.01
7486:							
Meeks, extremely bouldery----------	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00
Burnlake----------	5	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Slopes > 15%	1.00
Meeks, rubbly----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00
Dagget, moist----------	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
		Seepage in bottom layer	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7486:							
Tallac, very stony------	3	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
Roadcat-----------------	2	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Slopes > 15%	1.00
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
Jabu--------------------	1	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	0.50
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.01
7487:							
Meeks, rubbly-----------	80	Limitations		Limitations		Limitations	
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Fragments (>3") > 50%	1.00
		Depth to thin cemented pan	0.50			Sandy textures	0.50
Burnlake----------------	5	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Slopes > 15%	1.00
Rockbound very gravelly loam-------------------	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
		Seepage in bottom layer	1.00	Slopes 8 to 15%	0.63	Depth to bedrock < 40"	1.00
		Slopes 8 to 15%	0.63			Slopes 8 to 15%	0.63
Roadcat-----------------	3	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Slopes > 15%	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7487:							
Cagwin	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00	Slopes 8 to 15%	0.16	Permeability > 2.0 in/hr	0.99
Cassenai gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Sandy textures	0.50
		Slopes 8 to 15%	0.16			Fragments (<75mm) 25-50%	0.29
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
7488:							
Meeks, rubbly	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00
Burnlake	5	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Slopes > 15%	1.00
Rockbound very gravelly loam	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
		Seepage in bottom layer	1.00	Slopes 8 to 15%	0.63	Depth to bedrock < 40"	1.00
		Slopes 8 to 15%	0.63			Slopes 8 to 15%	0.63

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7488:							
Roadcat	3	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Slopes > 15%	1.00
Cagwin	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
Cassenai gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
7489:							
Meeks, rubbly	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00
Burnlake	5	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Slopes > 15%	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7489:							
Rockbound very stony loam	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Roadcat	3	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) > 50%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Slopes > 15%	1.00
Cassenai gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80		
						Slopes 8 to 15%	0.16
Cagwin	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
Toem	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7491:							
Oneidas	80	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Depth to pan < 40"	1.00	Saturation < 18" depth	1.00
		Seepage in bottom layer	1.00	Saturation < 5' depth	1.00		
Jabu	10	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	0.50
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.01
				Depth to pan 40-60"	0.77		
Christopher loamy coarse sand	3	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Sandy textures	0.50
Meeks, stony	3	Limitations		Limitations		Limitations	
		Fragments (3-10") 15-35%	0.74	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00
		Depth to thin cemented pan	0.50			Sandy textures	0.50
Gefo gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
						Fragments (<75mm) 25-50%	0.62
Marla	2	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00		
						Permeability > 2.0 in/hr	0.50
7492:							
Oneidas	80	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Depth to pan < 40"	1.00	Saturation < 18" depth	1.00
		Seepage in bottom layer	1.00	Saturation < 5' depth	1.00	Slopes 8 to 15%	0.16
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16		
Jabu	10	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	0.50
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.01

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7492:							
Christopher loamy coarse sand	3	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	0.50			Sandy textures	0.50
Meeks, stony	3	Limitations		Limitations		Limitations	
		Fragments (3-10") 15-35%	0.74	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Fragments (>3") > 50%	1.00
		Depth to thin cemented pan	0.50			Sandy textures	0.50
Gefo gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00	Slopes 8 to 15%	0.16	Permeability > 2.0 in/hr	1.00
		Slopes 8 to 15%	0.16			Fragments (<75mm) 25-50%	0.62
Marla	2	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7500:							
Rock outcrop, granitic	90	Not rated		Not rated		Not rated	
Rockbound very stony loam	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Rubble land	2	Not rated		Not rated		Not rated	
Toem	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7500:							
Windyridge	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00			Slopes > 15%	1.00
Freelpeak	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
Jobsis	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
7501:							
Rock outcrop, granitic	50	Not rated		Not rated		Not rated	
Rockbound very gravelly loam	30	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
		Seepage in bottom layer	1.00	Slopes 8 to 15%	0.63	Depth to bedrock < 40"	1.00
		Slopes 8 to 15%	0.63			Slopes 8 to 15%	0.63
Dagget, moist	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Depth to bedrock from 40-60"	0.50
Meeks, rubbly	5	Limitations		Limitations		Limitations	
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Fragments (>3") > 50%	1.00
		Depth to thin cemented pan	0.50			Sandy textures	0.50
Temo	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Sandy textures	1.00	Slopes 8 to 15%	0.16	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7501:							
Witefels	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Slopes 8 to 15%	0.16	Sandy textures	0.50
		Sandy textures	0.50				
7502:							
Rock outcrop, granitic	50	Not rated		Not rated		Not rated	
Rockbound very stony loam	25	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Sandy textures	1.00
		Sandy textures	1.00				
Dagget, moist	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
		Seepage in bottom layer	1.00				
Glenalpine	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") > 35%	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
						Fragments (>3") > 50%	1.00
Rubble land	5	Not rated		Not rated		Not rated	
Temo	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Sandy textures	1.00
		Sandy textures	1.00				
Witefels	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7511:							
Shalgran	70	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Rock outcrop	15	Not rated		Not rated		Not rated	
Sofgran	6	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Lithic or paralithic bedrock < 72"	1.00			Fragments (<75mm) 25-50%	0.97
Dystric Xerorthents	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Bedrock depth < 40"	1.00	Sandy textures	1.00
Burnlake	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Sandy textures	0.50			Permeability > 2.0 in/hr	1.00
Jobsis	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
Temo	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
7521:							
Tallac, very stony	75	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
		Fragments (3-10") 15-35%	0.05			Fragments (<75mm) 25-50%	0.23

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7521:							
Tallac, rubbly----------	10	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
		Fragments (3-10") 15-35%	0.07			Fragments (<75mm) 25-50%	0.23
Tallac, moderately well drained----------	9	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
		Fragments (3-10") 15-35%	0.02			Fragments (<75mm) 25-50%	0.23
Meeks, extremely bouldery----------	5	Limitations		Limitations		Limitations	
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Fragments (>3") > 50%	1.00
		Depth to thin cemented pan	0.50			Sandy textures	0.50
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
7522:							
Tallac, very stony------	85	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
Meeks, extremely bouldery----------	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7522:							
Cagwin	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Sandy textures	1.00				
Cassenai gravelly loamy coarse sand	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50
Dagget, moist	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
		Seepage in bottom layer	1.00				
Rockbound very gravelly loam	1	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
				Slopes 8 to 15%	0.63	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00			Slopes 8 to 15%	0.63
		Slopes 8 to 15%	0.63				
7523:							
Tallac, very stony	85	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
Meeks, extremely bouldery	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80		
						Slopes 8 to 15%	0.16

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7523:							
Cagwin	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Sandy textures	1.00				
Cassenai gravelly loamy coarse sand	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50
Dagget, moist	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
		Seepage in bottom layer	1.00				
Rockbound very stony loam	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Sandy textures	1.00
		Sandy textures	1.00				
7524:							
Tallac, moderately well drained	80	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
		Fragments (3-10") 15-35%	0.02			Fragments (<75mm) 25-50%	0.23
Tallac, moderately well drained, 5 to 9 percent slopes	10	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
		Fragments (3-10") 15-35%	0.02			Fragments (<75mm) 25-50%	0.23
Meeks, very stony	5	Limitations		Limitations		Limitations	
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00
		Depth to thin cemented pan	0.50			Sandy textures	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7524:							
Callat	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.40
						Fragments (>3") 25-50%	0.01
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
7525:							
Tallac, moderately well drained	80	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
		Fragments (3-10") 15-35%	0.02			Fragments (<75mm) 25-50%	0.23
Tallac, moderately well drained, 0 to 5 percent slopes	10	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
		Fragments (3-10") 15-35%	0.02			Fragments (<75mm) 25-50%	0.23
Meeks, extremely bouldery	5	Limitations		Limitations		Limitations	
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50	Slopes 8 to 15%	0.16	Fragments (>3") > 50%	1.00
		Depth to thin cemented pan	0.50			Sandy textures	0.50
Callat	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.40
						Fragments (>3") 25-50%	0.01
Tahoe, gravelly	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7526:							
Tallac, rubbly----------	85	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
		Fragments (3-10") 15-35%	0.07			Fragments (<75mm) 25-50%	0.23
Tallac, moderately well drained----------	10	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
		Fragments (3-10") 15-35%	0.02			Fragments (<75mm) 25-50%	0.23
Tallac, very stony------	4	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
		Fragments (3-10") 15-35%	0.05			Fragments (<75mm) 25-50%	0.23
Aquic Xerorthents-------	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16
7531:							
Toem---------------------	45	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Sandy textures	1.00
		Sandy textures	1.00			Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Rock outcrop, granitic--	40	Not rated		Not rated		Not rated	
Cagwin-------------------	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Sandy textures	1.00				
Cassenai gravelly loamy coarse sand------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7532:							
Toem	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Rock outcrop, granitic	40	Not rated		Not rated		Not rated	
Cagwin	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
7533:							
Toem	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Rock outcrop, granitic	40	Not rated		Not rated		Not rated	
Cagwin	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
7533:							
Cassenai gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Sandy textures	0.50			Sandy textures	0.50
7541:							
Ubaj	80	Limitations		No limitations		Limitations	
		Saturation < 6' depth	1.00			Packing (OL, OH, CH, or MH)	1.00
		Clay or silty clay	1.00			Clay or silty clay	1.00
						Silt or clay textures from 10-60"	0.50
Christopher loamy coarse sand	5	Limitations		Limitations		Limitations	
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Sandy textures	0.50
Jabu	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	0.50
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.01
				Depth to pan 40-60"	0.77		
Oneidas	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Depth to pan < 40"	1.00	Saturation < 18" depth	1.00
		Seepage in bottom layer	1.00	Saturation < 5' depth	1.00		
Gefo gravelly loamy coarse sand	3	Limitations		Limitations		Limitations	
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
						Fragments (<75mm) 25-50%	0.62
Marla	2	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00		
						Permeability > 2.0 in/hr	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9001:							
Bidart mucky silt loam--	50	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.99
Bidart, wet----------	30	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.99
Tahoe, gravelly---------	5	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Tahoe silt loam---------	5	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Watah-------------------	5	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Water-------------------	3	Not rated		Not rated		Not rated	
Hellhole----------------	2	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
9011:							
Oxyaquic Cryorthents----	30	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
Aquic Xerorthents-------	28	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Permeability > 2.0 in/hr	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation from 18 to 40" depth	0.53
		Seepage in bottom layer	1.00	Frequent flooding	0.80	Slopes 8 to 15%	0.16

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9011:							
Tahoe, gravelly---------	15	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Bidart mucky silt loam--	10	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.99
Watah--------------------	10	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Ponding (any duration)	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Marla--------------------	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Ponding (any duration)	1.00	Saturation < 5' depth	1.00	Saturation from 18 to 40" depth	0.99
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
Riverwash----------------	2	Not rated		Not rated		Not rated	
9101:							
Callat-------------------	82	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.40
						Fragments (>3") 25-50%	0.01
Glenalpine---------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") > 35%	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
						Fragments (>3") > 50%	1.00
Meeks, extremely bouldery----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9101:							
Tallac, very stony------	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
Rock outcrop------------	2	Not rated		Not rated		Not rated	
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
9102:							
Callat------------------	82	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.40
						Fragments (>3") 25-50%	0.01
Glenalpine--------------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") > 35%	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
						Fragments (>3") > 50%	1.00
Meeks, extremely bouldery----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.69	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50			Fragments (>3") > 50%	1.00
Tallac, very stony------	5	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Depth to pan from 40-60"	0.94
		Depth to thin cemented pan	0.50	Depth to pan 40-60"	0.94	Permeability > 2.0 in/hr	0.50
Rock outcrop------------	2	Not rated		Not rated		Not rated	
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9111:							
Florand	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.76
				Bedrock depth from 40-60"	0.71	Depth to bedrock from 40-60"	0.71
		Seepage in bottom layer	1.00				
Lostridge	30	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00				
Fishsnooze	15	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Seepage in 20-40" depth	1.00	Fragments (>3") 25-50%	0.90
		Seepage in bottom layer	1.00				
Aquic Haplocryolls	3	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Fragments (<75mm) > 50%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	0.50	Slopes 8 to 15%	0.04	Sandy textures	0.50
Lithnip, moist	3	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
				Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Stumpatil	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.04	Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.88
						Fragments (>3") 25-50%	0.01
Lithnip	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
						Slopes > 15%	1.00
		Seepage in bottom layer	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9111:							
Morscour	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
				Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Typic Cryaquolls	2	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Fragments (<75mm) > 50%	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation < 18" depth	1.00
		Seepage in bottom layer	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
9121:							
Watsonlake	80	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Slopes 8 to 15%	0.16
				Slopes 8 to 15%	0.16	Fragments (<75mm) 25-50%	0.09
		Slopes 8 to 15%	0.16				
Jorge very cobbly fine sandy loam	5	Limitations		Limitations		Limitations	
		Fragments (3-10") > 35%	1.00	Seepage in 20-40" depth	1.00	Fragments (>3") > 50%	1.00
		Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16	Slopes 8 to 15%	0.16
Sky	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Fragments (>3") > 50%	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Tahoma	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Silt or clay textures from 10-60"	0.50
				Slopes 8 to 15%	0.04		
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
		Fragments (3-10") 15-35%	0.08			Slopes 8 to 15%	0.04
Waca	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
				Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9121:							
Ellispeak	1	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00			Slopes > 15%	1.00
		Slopes > 15%	1.00				
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
Rock outcrop	1	Not rated		Not rated		Not rated	
9122:							
Watsonlake	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.09
Jorge very cobbly fine sandy loam	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") > 35%	1.00	Seepage in 20-40" depth	1.00	Fragments (>3") > 50%	1.00
Tahoma	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
Waca	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
				Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9122:							
Sky	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Fragments (>3") > 50%	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Ellispeak	1	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00			Slopes > 15%	1.00
		Slopes > 15%	1.00				
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
Rock outcrop	1	Not rated		Not rated		Not rated	
9123:							
Watsonlake	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.09
Jorge very cobbly fine sandy loam	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") > 35%	1.00	Seepage in 20-40" depth	1.00	Fragments (>3") > 50%	1.00
Tahoma	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
Waca	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9123:							
Sky	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Fragments (>3") > 50%	1.00
Ellispeak	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
Rock outcrop	1	Not rated		Not rated		Not rated	
9131:							
Lithnip	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00			Slopes > 15%	1.00
Meiss	30	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	0.50
Hawkinspeak	15	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
						Fragments (<75mm) > 50%	0.99
Lostridge	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Depth to bedrock < 40"	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9131:							
Fishsnooze	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Seepage in 20-40" depth	1.00	Fragments (>3") 25-50%	0.89
		Seepage in bottom layer	1.00				
Rock outcrop	3	Not rated		Not rated		Not rated	
Hawkinspeak, moist	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
						Fragments (<75mm) > 50%	0.99
Aspocket	1	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
				Bedrock depth from 40-60"	0.14	Depth to bedrock from 40-60"	0.14
		Slopes > 15%	1.00			Fragments (>3") 25-50%	0.05
Hawkridge	1	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00			Fragments (<75mm) > 50%	0.99
Typic Cryaquolls	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Fragments (<75mm) > 50%	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Saturation < 18" depth	1.00
		Seepage in bottom layer	1.00	Occasional flooding	0.60	Permeability > 2.0 in/hr	1.00
9141:							
Melody	55	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Fragments (>3") > 50%	1.00
		Fragments (3-10") > 35%	1.00			Slopes > 15%	1.00
		Slopes > 15%	1.00				
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	
Sky	10	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Fragments (>3") > 50%	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9141:							
Mountrose	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.88			Fragments (<75mm) 25-50%	0.33
						Fragments (>3") 25-50%	0.09
Wardcreek	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
						Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Permeability > 2.0 in/hr	0.50
		Seepage in bottom layer	1.00				
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
9142:							
Melody	55	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Fragments (>3") > 50%	1.00
		Fragments (3-10") > 35%	1.00				
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	
Sky	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Fragments (>3") > 50%	1.00
		Seepage in bottom layer	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9142:							
Mountrose	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.88			Fragments (<75mm) 25-50%	0.33
						Fragments (>3") 25-50%	0.09
Wardcreek	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
						Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Permeability > 2.0 in/hr	0.50
		Seepage in bottom layer	1.00				
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
9143:							
Melody	55	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Fragments (>3") > 50%	1.00
		Fragments (3-10") > 35%	1.00				
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	
Sky	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Fragments (>3") > 50%	1.00
		Seepage in bottom layer	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9143:							
Mountrose	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.88			Fragments (<75mm) 25-50%	0.33
						Fragments (>3") 25-50%	0.09
Wardcreek	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
						Slopes > 15%	1.00
		Seepage in bottom layer	1.00				
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Permeability > 2.0 in/hr	0.50
		Seepage in bottom layer	1.00				
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
9151:							
Shakespeare	80	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
Deerhill	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9151:							
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.88			Fragments (<75mm) 25-50%	0.33
						Fragments (>3") 25-50%	0.09
Melody	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Fragments (3-10") > 35%	1.00			Fragments (>3") > 50%	1.00
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Dagget very gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
Temo	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Witefels	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9152:							
Shakespeare	80	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00	Saturation < 5' depth	1.00	Silt or clay textures from 10-60"	0.50
		Clay loam, silty clay, silty clay loam	0.50			Clay loam, silty clay, silty clay loam	0.50
Deerhill	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.88			Fragments (<75mm) 25-50%	0.33
						Fragments (>3") 25-50%	0.09
Melody	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Fragments (>3") > 50%	1.00
		Fragments (3-10") > 35%	1.00				
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Dagget very gravelly loamy coarse sand	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
		Seepage in bottom layer	1.00				
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9152:							
Temo	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Witefels	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
9161:							
Sky	80	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") > 50%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
Melody	10	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Fragments (3-10") > 35%	1.00	Slopes > 15%	1.00	Fragments (>3") > 50%	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.88			Fragments (<75mm) 25-50%	0.33
						Fragments (>3") 25-50%	0.09
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00			Slopes > 15%	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9161:							
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Permeability > 2.0 in/hr	0.50
		Seepage in bottom layer	1.00				
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
9162:							
Sky	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Fragments (>3") > 50%	1.00
		Seepage in bottom layer	1.00				
Melody	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Fragments (>3") > 50%	1.00
		Fragments (3-10") > 35%	1.00				
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.88			Fragments (<75mm) 25-50%	0.33
						Fragments (>3") 25-50%	0.09
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
						Slopes > 15%	1.00
		Seepage in bottom layer	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9162:							
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Permeability > 2.0 in/hr	0.50
		Seepage in bottom layer	1.00				
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
9163:							
Sky	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Fragments (>3") > 50%	1.00
		Seepage in bottom layer	1.00				
Melody	10	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Fragments (>3") > 50%	1.00
		Fragments (3-10") > 35%	1.00				
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.88			Fragments (<75mm) 25-50%	0.33
						Fragments (>3") 25-50%	0.09
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
						Slopes > 15%	1.00
		Seepage in bottom layer	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9163:							
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	0.50
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
9164:							
Sky	50	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") > 50%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
Melody	40	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Fragments (3-10") > 35%	1.00	Slopes > 15%	1.00	Fragments (>3") > 50%	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.88			Fragments (<75mm) 25-50%	0.33
						Fragments (>3") 25-50%	0.09
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00			Slopes > 15%	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9164:							
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Permeability > 2.0 in/hr	0.50
		Seepage in bottom layer	1.00				
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
9165:							
Sky	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Fragments (>3") > 50%	1.00
		Seepage in bottom layer	1.00				
Melody	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Fragments (>3") > 50%	1.00
		Fragments (3-10") > 35%	1.00				
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.88			Fragments (<75mm) 25-50%	0.33
						Fragments (>3") 25-50%	0.09
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
						Slopes > 15%	1.00
		Seepage in bottom layer	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9165:							
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Permeability > 2.0 in/hr	0.50
		Seepage in bottom layer	1.00				
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
9166:							
Sky	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Fragments (>3") > 50%	1.00
		Seepage in bottom layer	1.00				
Melody	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Fragments (>3") > 50%	1.00
		Fragments (3-10") > 35%	1.00				
Mountrose	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.88			Fragments (<75mm) 25-50%	0.33
						Fragments (>3") 25-50%	0.09
Wardcreek	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Lithnip	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
						Slopes > 15%	1.00
		Seepage in bottom layer	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9166:							
Meiss	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Permeability > 2.0 in/hr	0.50
		Seepage in bottom layer	1.00				
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
9171:							
Mountrose	35	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.88			Fragments (<75mm) 25-50%	0.33
						Fragments (>3") 25-50%	0.09
Wardcreek	25	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Melody	20	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Fragments (>3") > 50%	1.00
		Fragments (3-10") > 35%	1.00				
Meiss	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Permeability > 2.0 in/hr	0.50
		Seepage in bottom layer	1.00				
Rock outcrop	5	Not rated		Not rated		Not rated	
Rubble land	5	Not rated		Not rated		Not rated	

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9171:							
Sky	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00			Fragments (>3") > 50%	1.00
9401:							
Dagget very gravelly loamy coarse sand	75	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
Temo	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Witefels	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Jobsis	3	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Whittell	3	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9401:							
Cagwin	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Sandy textures	1.00				
Cassenai, moist	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	0.50
Toem	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Sandy textures	1.00
		Sandy textures	1.00			Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
9402:							
Dagget very gravelly loamy coarse sand	75	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
		Seepage in bottom layer	1.00				
Temo	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Sandy textures	1.00
		Sandy textures	1.00				
Witefels	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9402:							
Jobsis	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Whittell	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
Cagwin	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
Cassenai, moist	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	0.50
Toem	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9403:							
Dagget very gravelly loamy coarse sand------	75	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
		Seepage in bottom layer	1.00				
Temo----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Sandy textures	1.00
		Sandy textures	1.00				
Witefels----------	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Jobsis----------	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Rock outcrop----------	3	Not rated		Not rated		Not rated	
Whittell----------	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00				
Cagwin----------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Sandy textures	1.00				
Cassenai, moist---------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	0.50

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9403:							
Toem	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
9404:							
Dagget, moist	80	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
		Seepage in bottom layer	1.00	Slopes 8 to 15%	0.16	Depth to bedrock from 40-60"	0.50
		Sandy textures	0.50				
Cassenai, moist	5	Limitations		Limitations		Limitations	
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00	Slopes 8 to 15%	0.16	Permeability > 2.0 in/hr	0.50
		Slopes 8 to 15%	0.16			Slopes 8 to 15%	0.16
Rockbound very gravelly loam	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
				Slopes 8 to 15%	0.63	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00			Slopes 8 to 15%	0.63
		Slopes 8 to 15%	0.63				
Jobsis	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00			Slopes > 15%	1.00
		Slopes > 15%	1.00				
Oxyaquic Cryorthents	2	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9404:							
Temo	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes 8 to 15%	0.16	Sandy textures	1.00
		Sandy textures	1.00			Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Whittell	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Slopes > 15%	1.00				
Witefels	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Slopes 8 to 15%	0.16	Sandy textures	0.50
		Sandy textures	0.50				
9405:							
Dagget, moist	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
		Seepage in bottom layer	1.00				
Cassenai, moist	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	0.50
Rockbound very gravelly loam	5	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
				Slopes 8 to 15%	0.63	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00			Slopes 8 to 15%	0.63
		Slopes 8 to 15%	0.63				
Jobsis	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00			Slopes > 15%	1.00
		Slopes > 15%	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9405:							
Oxyaquic Cryorthents----	2	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
Temo----------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Whittell----------	2	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
Witefels----------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
9406:							
Dagget, moist----------	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
Cassenai, moist---------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	0.50
Rockbound very stony loam----------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9406:							
Jobsis	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Oxyaquic Cryorthents	2	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
Temo	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Whittell	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00				
Witefels	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
9407:							
Dagget, moist	55	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
		Seepage in bottom layer	1.00				
Rock outcrop, granitic	25	Not rated		Not rated		Not rated	

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9407:							
Temo	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Witefels	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Whittell	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
Cassenai, moist	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	0.50
Jobsis	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
Oxyaquic Cryorthents	2	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
9411:							
Freelpeak	50	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9411:							
Windyridge	25	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00			Slopes > 15%	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Jobsis	8	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
Whittell	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
Waterpeak	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Fragments (>3") 25-50%	0.83
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	0.50
Buggin	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00			Slopes > 15%	1.00
Glaciers	1	Not rated		Not rated		Not rated	
9421:							
Jobsis	45	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9421:							
Whittell	25	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Bedrock depth < 40"	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (>3") > 50%	1.00
Rock outcrop	15	Not rated		Not rated		Not rated	
Typic Cryorthents, 8 to 30 percent slopes	4	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Sandy textures	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Bedrock depth < 40"	0.99	Slopes > 15%	1.00
Windyridge	4	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
		Seepage in bottom layer	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00
Klauspeak	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
Shalgran	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Buggin	1	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
		Seepage in bottom layer	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00
Typic Cryorthents, 4 to 30 percent slopes	1	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9421:							
Waterpeak	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Slopes > 15%	1.00	Fragments (>3") 25-50%	0.83
						Permeability > 2.0 in/hr	0.50
		Seepage in bottom layer	1.00				
9431:							
Sofgran	40	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Lithic or paralithic bedrock < 72"	1.00			Fragments (<75mm) 25-50%	0.97
Klauspeak	30	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
Temo	15	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Sandy textures	1.00
		Sandy textures	1.00				
Rock outcrop	4	Not rated		Not rated		Not rated	
Shalgran	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Sandy textures	1.00
		Sandy textures	1.00				
Xeric Humicryepts	3	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
Stumpatil	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Fragments (3-10") 15-35%	0.04	Seepage in 20-40" depth	1.00	Fragments (<75mm) 25-50%	0.88
						Fragments (>3") 25-50%	0.01

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9431:							
Aquic Haplocryolls	1	Limitations		Limitations		Limitations	
		Saturation < 6' depth	1.00	Saturation < 5' depth	1.00	Fragments (<75mm) > 50%	1.00
		Seepage in bottom layer	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
Hopeval	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Saturation < 18" depth	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Sandy textures	1.00	Occasional flooding	0.60	Permeability > 2.0 in/hr	0.50
9441:							
Temo	45	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Slopes 8 to 15%	0.16	Sandy textures	1.00
		Sandy textures	1.00			Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Witefels	35	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Slopes 8 to 15%	0.16	Sandy textures	0.50
		Sandy textures	0.50				
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
		Seepage in bottom layer	1.00				
Cagwin	4	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Sandy textures	1.00	Slopes 8 to 15%	0.16	Permeability > 2.0 in/hr	0.99
		Seepage in bottom layer	1.00				
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9442:							
Temo	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Witefels	35	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00	Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
Cagwin	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
9443:							
Temo	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9443:							
Witefels	35	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
		Seepage in bottom layer	1.00				
Cagwin	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Sandy textures	1.00				
Oxyaquic Cryorthents	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
9444:							
Temo	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Witefels	35	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Seepage in bottom layer	1.00				
Rock outcrop	10	Not rated		Not rated		Not rated	

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9444:							
Dagget very gravelly loamy coarse sand------	5	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
				Bedrock depth from 40-60"	0.50	Fragments (<75mm) 25-50%	0.71
		Seepage in bottom layer	1.00				
Cagwin------------------	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
				Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Sandy textures	1.00				
Oxyaquic Cryorthents----	1	Limitations		Limitations		Limitations	
		Flooding >= occasional	1.00	Saturation < 5' depth	1.00	Sandy textures	1.00
		Saturation < 6' depth	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00	Frequent flooding	0.80	Saturation from 18 to 40" depth	0.53
9451:							
Waterpeak---------------	80	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Fragments (>3") 25-50%	0.83
						Permeability > 2.0 in/hr	0.50
		Seepage in bottom layer	1.00				
Rock outcrop------------	10	Not rated		Not rated		Not rated	
Shalgran----------------	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
						Sandy textures	1.00
		Sandy textures	1.00				
Typic Cryorthents-------	4	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
				Bedrock depth < 40"	0.99	Permeability > 2.0 in/hr	1.00
		Sandy textures	1.00				

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9451:							
Pachic Haplocryolls-----	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Permeability > 2.0 in/hr	0.50
		Seepage in bottom layer	1.00			Fragments (<75mm) 25-50%	0.12
9461:							
Whittell----------	45	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00	Bedrock depth < 40"	1.00	Permeability > 2.0 in/hr	1.00
Jobsis----------	25	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
Rock outcrop----------	15	Not rated		Not rated		Not rated	
Jobsis, 8 to 30 percent slopes----------	4	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00	Slopes > 15%	1.00	Permeability > 2.0 in/hr	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00
Windyridge----------	4	Limitations		Limitations		Limitations	
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Fragments (<75mm) > 50%	1.00
		Seepage in bottom layer	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Slopes > 15%	1.00			Slopes > 15%	1.00
Klauspeak----------	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Sandy textures	1.00	Seepage in 20-40" depth	1.00	Sandy textures	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00

Table 17b.--Sanitary Facilities--Continued

Map symbol and component name	Pct. of map unit	Trench sanitary landfill		Area sanitary landfill		Daily cover for landfill	
		Limitations	Value	Limitations	Value	Limitations	Value
9461:							
Shalgran	2	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Sandy textures	1.00			Sandy textures	1.00
Buggin	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Fragments (<75mm) > 50%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Depth to bedrock < 40"	1.00
		Seepage in bottom layer	1.00			Slopes > 15%	1.00
Typic Cryorthents	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Depth to bedrock < 40"	1.00
		Lithic or paralithic bedrock < 72"	1.00	Bedrock depth < 40"	1.00	Slopes > 15%	1.00
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	1.00
Waterpeak	1	Limitations		Limitations		Limitations	
		Slopes > 15%	1.00	Slopes > 15%	1.00	Slopes > 15%	1.00
		Lithic or paralithic bedrock < 72"	1.00	Seepage in 20-40" depth	1.00	Fragments (>3") 25-50%	0.83
		Seepage in bottom layer	1.00			Permeability > 2.0 in/hr	0.50
W:							
Water	100	Not rated		Not rated		Not rated	

The interpretation for trench sanitary landfill evaluates the following soil properties at variable depths in the soil: flooding, ponding, wetness, slope, depth to hard or soft bedrock, depth to a thick or thin cemented pan, fragments 3 to 10 inches in size, sodium content (SAR), pH, clayey or sandy textures, and permeability that is too rapid, allowing seepage in some climates.

The interpretation for area sanitary landfill evaluates the following soil properties at variable depths in the soil: flooding, ponding, wetness, slope, depth to bedrock, depth to a cemented pan, and permeability that is too rapid, allowing seepage in some climates.

The interpretation for daily cover for landfill evaluates the following soil properties at variable depths in the soil: ponding; wetness; slope; depth to bedrock; depth to a cemented pan; fragments more than, equal to, or less than 3 inches in size; Unified class for peat (PT); Unified classes for packing (OL, OH, CH, and MH); sandy or clayey textures; pH; carbonates; sodium content (SAR); salinity (EC); soil climate; kaolinitic mineralogy; and permeability that is too rapid, allowing seepage.

Table 18a.--Construction Materials

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The closer the value is to 0.00, the greater the limitation. A value of 0.00 indicates an absolute limitation based on the soil property criteria used to develop the interpretation. Values closer to 1.00 indicate lesser limitations. Limiting features with values of 1.00 have absolutely no limitation and are not shown in the table. Rating classes are determined by the most limiting value. Fine-earth fractions and coarse fragments are reported on a weight basis. An explanation of the criteria and of the abbreviations used in describing the limitations is given at the end of the table)

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7011:							
Beaches	64	Not rated		Not rated		Not rated	
Oxyaquic Xeropsamments	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.64	Saturation < 1' depth	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.46
Watah	7	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.13
						Hard to reclaim	0.26
						pH between 4.5 and 6.5	0.95
Gefo, barrier beach	6	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.64	Rock fragment content	0.00
						Hard to reclaim	0.46
Marla	5	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
Cagwin	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
						Slope 8 to 12%	0.84

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7011:							
Cassenai gravelly loamy coarse sand	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Rock fragment content	0.00
						Hard to reclaim	0.46
						Slope 8 to 12%	0.84
Dunes	1	Not rated		Not rated		Not rated	
Jorge very gravelly sandy loam	1	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.28	Thickest layer a possible source	0.03	Hard to reclaim	0.00
		Bottom layer a possible source	0.38	Bottom layer a possible source	0.05	Rock fragment content	0.00
						Slope 8 to 12%	0.96
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe silt loam	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.09		
Tahoma	1	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.88
						pH between 4.5 and 6.5	0.88
						Slope 8 to 12%	0.96
Toem	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
						Rock fragment content	0.01
7021:							
Hellhole	80	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Saturation < 1' depth	0.00
		Organic matter content	0.00	Thickest layer not a source	0.00	OM > 30%	0.00
				Organic matter content	0.00	pH > 6.5	1.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7021:							
Bidart, wet	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.03	pH between 4.5 and 6.5	0.92
Watah	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.13
						Hard to reclaim	0.26
						pH between 4.5 and 6.5	0.95
Water	5	Not rated		Not rated		Not rated	
7031:							
Pits	45	Not rated		Not rated		Not rated	
Dumps	45	Not rated		Not rated		Not rated	
Arents	5	Not rated		Not rated		Not rated	
Xerorthents	5	Not rated		Not rated		Not rated	
7041:							
Tahoe silt loam	55	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.09		
Tahoe silt loam, wet	25	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19		
Marla	10	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7041:							
Tahoe, gravelly---------	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
Watah-------------------	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Rock fragment content	0.00
				Bottom layer a possible source	0.10	Sand fractions 75-85%	0.13
						Hard to reclaim	0.26
						pH between 4.5 and 6.5	0.95
7042:							
Tahoe, gravelly---------	55	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
Tahoe, gravelly, wet----	25	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
Marla-------------------	5	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
Riverwash---------------	5	Not rated		Not rated		Not rated	
Tahoe silt loam---------	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.09		
Watah-------------------	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Rock fragment content	0.00
				Bottom layer a possible source	0.10	Sand fractions 75-85%	0.13
						Hard to reclaim	0.26
						pH between 4.5 and 6.5	0.95

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7043:							
Tahoe, drained----------	80	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19		
Marla----------	5	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
Tahoe, gravelly---------	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
Tahoe silt loam, wet----	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19		
Watah----------	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.13
						Hard to reclaim	0.26
						pH between 4.5 and 6.5	0.95
7051:							
Oxyaquic Xerorthents----	60	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.47	Rock fragment content	0.00
Water----------	38	Not rated		Not rated		Not rated	
Marla----------	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7051:							
Watah	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.13
						Hard to reclaim	0.26
						pH between 4.5 and 6.5	0.95
7061:							
Urban land	100	Not rated		Not rated		Not rated	
7071:							
Watah	75	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.13
						Hard to reclaim	0.26
						pH between 4.5 and 6.5	0.95
Tahoe, gravelly, wet	9	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
Tahoe silt loam, wet	8	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19		
Marla	3	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
Bidart, wet	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.03	pH between 4.5 and 6.5	0.92
Water	2	Not rated		Not rated		Not rated	

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7071:							
Hellhole	1	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Saturation < 1' depth	0.00
		Organic matter content	0.00	Thickest layer not a source	0.00	OM > 30%	0.00
				Organic matter content	0.00	pH > 6.5	1.00
7101:							
Caverock	80	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.03	Depth to bedrock 20 to 40"	0.34
Cagwin	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Cassenai gravelly loamy coarse sand	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.46
Deerhill	3	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.00	Rock fragment content	0.68
Genoapeak	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Hard to reclaim	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Slope > 15%	0.00
Southcamp	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7101:							
Zephyrcove	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.24
						Depth to bedrock 20 to 40"	0.76
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
7111:							
Deerhill	80	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.00	Rock fragment content	0.68
Cassenai gravelly loamy coarse sand	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.46
Cagwin	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Shakespeare	3	Fair source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer a possible source	0.07	Thickest layer not a source	0.00	Slope > 15%	0.00
Southcamp	3	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Slope > 15%	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7111:							
Zephyrcove	3	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.24
						Depth to bedrock 20 to 40"	0.76
Genoapeak	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Hard to reclaim	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Slope > 15%	0.00
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
7112:							
Deerhill	80	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.00	Rock fragment content	0.68
Cassenai gravelly loamy coarse sand	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.46
Cagwin	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Shakespeare	3	Fair source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer a possible source	0.07	Thickest layer not a source	0.00	Rock fragment content	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7112:							
Southcamp	3	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.00
Zephyrcove	3	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.24
						Depth to bedrock 20 to 40"	0.76
Genoapeak	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
7121:							
Ellispeak	45	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
Rock outcrop, volcanic	40	Not rated		Not rated		Not rated	
Waca	10	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Rock fragment content	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.94
Kneeridge, well drained	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.04	Slope 8 to 12%	0.84
						Hard to reclaim	0.95

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7121:							
Paige	2	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.02	Slope > 15%	0.00
						Hard to reclaim	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.05	Rock fragment content	0.41
Tahoe, gravelly	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
7122:							
Ellispeak	45	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
				Thickest layer not a source	0.00	Rock fragment content	0.00
		Bottom layer not a source	0.00			Depth to bedrock < 20"	0.00
Rock outcrop, volcanic	40	Not rated		Not rated		Not rated	
Waca	10	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Slope > 15%	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Depth to bedrock 20 to 40"	0.94
Kneeridge, well drained	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Slope 8 to 12%	0.84
				Thickest layer a possible source	0.04	Hard to reclaim	0.95
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00			Saturation from 1 to 3'	0.86
				Thickest layer a possible source	0.05	Rock fragment content	0.88
						Sand fractions 75-85%	0.94
Paige	1	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.02	Hard to reclaim	0.00
						Slope > 15%	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.05	Rock fragment content	0.41

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7123:							
Ellispeak	45	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
				Thickest layer not a source	0.00	Rock fragment content	0.00
		Bottom layer not a source	0.00			Depth to bedrock < 20"	0.00
Rock outcrop, volcanic	40	Not rated		Not rated		Not rated	
Waca	10	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Slope > 15%	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Depth to bedrock 20 to 40"	0.94
Kneeridge, well drained	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Slope 8 to 12%	0.84
				Thickest layer a possible source	0.04	Hard to reclaim	0.95
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00			Saturation from 1 to 3'	0.86
				Thickest layer a possible source	0.05	Rock fragment content	0.88
						Sand fractions 75-85%	0.94
Paige	1	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.02	Slope > 15%	0.00
						Hard to reclaim	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.05	Rock fragment content	0.41
7131:							
Ellispeak	45	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
				Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Slope > 15%	0.00
Waca	40	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Rock fragment content	0.00
						Slope > 15%	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Depth to bedrock 20 to 40"	0.94

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7131:							
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.43	Bottom layer a possible source	0.05	Rock fragment content	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Hard to reclaim	0.00
						Slope > 15%	0.00
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
7132:							
Ellispeak	45	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
Waca	40	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Slope > 15%	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.94
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.43	Bottom layer a possible source	0.05	Rock fragment content	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Hard to reclaim	0.00
						Slope > 15%	0.00
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7133:							
Ellispeak	45	Poor source		Poor source		Poor source	
		Thickest layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		due to fines or thin layer		Thickest layer not a source	0.00	Rock fragment content	0.00
		Bottom layer not a source	0.00			Depth to bedrock < 20"	0.00
Waca	40	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Slope > 15%	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Depth to bedrock 20 to 40"	0.94
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.43	Bottom layer a possible source	0.05	Rock fragment content	0.00
						Hard to reclaim	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Slope > 15%	0.00
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00			Saturation from 1 to 3'	0.86
				Thickest layer a possible source	0.05	Rock fragment content	0.88
						Sand fractions 75-85%	0.94
7141:							
Inville	80	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
				Bottom layer a possible source	0.03	Rock fragment content	0.00
		Bottom layer a possible source	0.03				
Christopher loamy coarse sand	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Rock fragment content	0.82
				Thickest layer a possible source	0.12		

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7141:							
Cassenai gravelly loamy coarse sand	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Rock fragment content	0.00
						Hard to reclaim	0.46
						Slope 8 to 12%	0.84
Jorge very gravelly sandy loam	3	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.28	Thickest layer a possible source	0.03	Hard to reclaim	0.00
		Bottom layer a possible source	0.38	Bottom layer a possible source	0.05	Rock fragment content	0.00
						Slope 8 to 12%	0.96
Kingsbeach	2	Poor source		Poor source		Good source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00		
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00		
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
7142:							
Inville	80	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.03	Rock fragment content	0.00
						Slope 12 to 15%	0.37
Cassenai gravelly loamy coarse sand	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Rock fragment content	0.00
						Hard to reclaim	0.46
						Slope 8 to 12%	0.84

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7142:							
Christopher gravelly loamy coarse sand------	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
						Hard to reclaim	0.16
						Rock fragments	0.99
Jorge very gravelly sandy loam-------------	3	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.28	Thickest layer a possible source	0.03	Hard to reclaim	0.00
		Bottom layer a possible source	0.38	Bottom layer a possible source	0.05	Rock fragment content	0.00
						Slope 8 to 12%	0.96
Meeks, extremely bouldery---------------	2	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Rock fragment content	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
						Slope 8 to 12%	0.84
Aquic Xerorthents-------	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
7143:							
Inville-----------------	80	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.03	Hard to reclaim	0.00
						Rock fragment content	0.00
Cassenai gravelly loamy coarse sand------------	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.46

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7143:							
Christopher gravelly loamy coarse sand------	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
						Hard to reclaim	0.16
						Rock fragments	0.99
Jorge very gravelly sandy loam-------------	3	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.28	Thickest layer a possible source	0.03	Slope > 15%	0.00
		Bottom layer a possible source	0.38	Bottom layer a possible source	0.05	Hard to reclaim	0.00
						Rock fragment content	0.00
Meeks, extremely bouldery---------------	2	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
Aquic Xerorthents-------	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
7151:							
Jorge very cobbly fine sandy loam-------------	80	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Hard to reclaim	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Slope 8 to 12%	0.84
Tahoma------------------	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.88
						pH between 4.5 and 6.5	0.88
						Slope 8 to 12%	0.96

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7151:							
Waca	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Rock fragment content	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.94
Jorge very cobbly loam	4	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
				Thickest layer not a source	0.00	Hard to reclaim	0.00
		Bottom layer not a source	0.00			Slope 8 to 12%	0.96
Ellispeak	2	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
				Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Slope > 15%	0.00
Sky	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.22
						pH between 4.5 and 6.5	0.98
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00			Saturation from 1 to 3'	0.86
				Thickest layer a possible source	0.05	Rock fragment content	0.88
						Sand fractions 75-85%	0.94
Rock outcrop	1	Not rated		Not rated		Not rated	
7152:							
Jorge very cobbly fine sandy loam	80	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7152:							
Tahoma	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.88
						pH between 4.5 and 6.5	0.88
Waca	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Rock fragment content	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.94
Jorge very cobbly loam	4	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.00
Ellispeak	2	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
Sky	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.22
						pH between 4.5 and 6.5	0.98
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
Rock outcrop	1	Not rated		Not rated		Not rated	

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7153:							
Jorge very cobbly fine sandy loam	80	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00
Tahoma	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.88
						pH between 4.5 and 6.5	0.88
Waca	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Slope > 15%	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.94
Jorge very cobbly loam	4	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.00
Ellispeak	2	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
Sky	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.22
						pH between 4.5 and 6.5	0.98
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
Rock outcrop	1	Not rated		Not rated		Not rated	

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7154:							
Jorge very cobbly loam--	75	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
				Thickest layer not a source	0.00	Hard to reclaim	0.00
		Bottom layer not a source	0.00			Slope 8 to 12%	0.96
Rubble land----------	10	Not rated		Not rated		Not rated	
Tahoma----------	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.88
						pH between 4.5 and 6.5	0.88
						Slope 8 to 12%	0.96
Ellispeak----------	3	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
				Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Slope > 15%	0.00
Rock outcrop----------	3	Not rated		Not rated		Not rated	
Waca----------	3	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Rock fragment content	0.00
						Slope > 15%	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Depth to bedrock 20 to 40"	0.94
Tahoe, gravelly---------	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
7155:							
Jorge very cobbly loam--	75	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
				Thickest layer not a source	0.00	Rock fragment content	0.00
		Bottom layer not a source	0.00			Hard to reclaim	0.00
Rubble land----------	10	Not rated		Not rated		Not rated	

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7155:							
Tahoma	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.88
						pH between 4.5 and 6.5	0.88
Ellispeak	3	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
				Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Slope > 15%	0.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Waca	3	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Rock fragment content	0.00
						Slope > 15%	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Depth to bedrock 20 to 40"	0.94
Tahoe, gravelly	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
7156:							
Jorge very gravelly sandy loam	45	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.28	Thickest layer a possible source	0.03	Slope > 15%	0.00
						Hard to reclaim	0.00
		Bottom layer a possible source	0.38	Bottom layer a possible source	0.05	Rock fragment content	0.00
Tahoma	35	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.88
						pH between 4.5 and 6.5	0.88

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7156:							
Waca	10	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Rock fragment content	0.00
						Slope > 15%	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Depth to bedrock 20 to 40"	0.94
Inville	5	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.03	Hard to reclaim	0.00
		Bottom layer a possible source	0.03			Rock fragment content	0.00
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
				Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Slope > 15%	0.00
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
7157:							
Jorge very gravelly sandy loam	55	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.28	Thickest layer a possible source	0.03	Slope > 15%	0.00
						Hard to reclaim	0.00
		Bottom layer a possible source	0.38	Bottom layer a possible source	0.05	Rock fragment content	0.00
Tahoma	25	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.88
						pH between 4.5 and 6.5	0.88

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7157:							
Waca	10	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Slope > 15%	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.94
Inville	5	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.03	Hard to reclaim	0.00
						Rock fragment content	0.00
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
7161:							
Kingsbeach	80	Poor source		Poor source		Good source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00		
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00		
Tahoma	10	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.88
						pH between 4.5 and 6.5	0.88
						Slope 8 to 12%	0.96

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7161:							
Jorge very gravelly sandy loam	8	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.28	Thickest layer a possible source	0.03	Hard to reclaim	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.38	Bottom layer a possible source	0.05	Slope 8 to 12%	0.96
Beaches	1	Not rated		Not rated		Not rated	
Dunes	1	Not rated		Not rated		Not rated	
7171:							
Kneeridge, extremely stony	80	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.04	Hard to reclaim	0.95
Jorge very gravelly sandy loam	9	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.28	Thickest layer a possible source	0.03	Hard to reclaim	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.38	Bottom layer a possible source	0.05	Slope 8 to 12%	0.96
Paige	5	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.02	Hard to reclaim	0.00
						Rock fragment content	0.41
		Bottom layer not a source	0.00	Bottom layer a possible source	0.05	Slope 8 to 12%	0.84
Waca	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Rock fragment content	0.00
						Slope > 15%	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Depth to bedrock 20 to 40"	0.94
Tahoe, gravelly	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7172:							
Kneeridge, well drained	80	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.04	Slope 8 to 12%	0.84
						Hard to reclaim	0.95
Jorge very gravelly sandy loam	9	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.28	Thickest layer a possible source	0.03	Hard to reclaim	0.00
		Bottom layer a possible source	0.38	Bottom layer a possible source	0.05	Rock fragment content	0.00
						Slope 8 to 12%	0.96
Paige	5	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.02	Hard to reclaim	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.05	Rock fragment content	0.41
						Slope 8 to 12%	0.84
Waca	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Rock fragment content	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.94
Tahoe, gravelly	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
7173:							
Kneeridge, very stony	80	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.04	Hard to reclaim	0.95

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7173:							
Jorge very gravelly sandy loam	9	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.28	Thickest layer a possible source	0.03	Hard to reclaim	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.38	Bottom layer a possible source	0.05	Slope 8 to 12%	0.96
Paige	5	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.02	Hard to reclaim	0.00
						Rock fragment content	0.41
		Bottom layer not a source	0.00	Bottom layer a possible source	0.05	Slope 8 to 12%	0.84
Waca	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Rock fragment content	0.00
						Slope > 15%	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Depth to bedrock 20 to 40"	0.94
Tahoe, gravelly	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
7174:							
Kneeridge, very stony	80	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Slope 8 to 12%	0.84
				Thickest layer a possible source	0.04	Hard to reclaim	0.95
Jorge very gravelly sandy loam	9	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.28	Thickest layer a possible source	0.03	Hard to reclaim	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.38	Bottom layer a possible source	0.05	Slope 8 to 12%	0.96

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7174:							
Paige	5	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.02	Hard to reclaim	0.00
						Rock fragment content	0.41
		Bottom layer not a source	0.00	Bottom layer a possible source	0.05	Slope 8 to 12%	0.84
Waca	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Rock fragment content	0.00
						Slope > 15%	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Depth to bedrock 20 to 40"	0.94
Tahoe, gravelly	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
7181:							
Paige	80	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.02	Hard to reclaim	0.00
						Rock fragment content	0.41
		Bottom layer not a source	0.00	Bottom layer a possible source	0.05	Slope 8 to 12%	0.84
Kneeridge, well drained	7	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Slope 8 to 12%	0.84
				Thickest layer a possible source	0.04	Hard to reclaim	0.95
Jorge very gravelly sandy loam	6	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.28	Thickest layer a possible source	0.03	Hard to reclaim	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.38	Bottom layer a possible source	0.05	Slope 8 to 12%	0.96
Tahoe, gravelly	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7181:							
Waca	2	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Rock fragment content	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.94
7182:							
Paige	80	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.02	Slope > 15%	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.05	Hard to reclaim	0.00
						Rock fragment content	0.41
Jorge very gravelly sandy loam	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.28	Thickest layer a possible source	0.03	Slope > 15%	0.00
		Bottom layer a possible source	0.38	Bottom layer a possible source	0.05	Hard to reclaim	0.00
						Rock fragment content	0.00
Tahoma	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.88
						pH between 4.5 and 6.5	0.88
Waca	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Rock fragment content	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.94
Kneeridge, well drained	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.04	Slope 8 to 12%	0.84
						Hard to reclaim	0.95
Tahoe, gravelly	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7183:							
Paige	84	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.02	Slope > 15%	0.00
						Hard to reclaim	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.05	Rock fragment content	0.41
Jorge very gravelly sandy loam	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.28	Thickest layer a possible source	0.03	Slope > 15%	0.00
						Hard to reclaim	0.00
		Bottom layer a possible source	0.38	Bottom layer a possible source	0.05	Rock fragment content	0.00
Tahoma	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.88
						pH between 4.5 and 6.5	0.88
Waca	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Slope > 15%	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Depth to bedrock 20 to 40"	0.94
Tahoe, gravelly	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
7191:							
Rock outcrop, volcanic	90	Not rated		Not rated		Not rated	
Glenalpine	2	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.05	Hard to reclaim	0.00
		Bottom layer not a source	0.00			Rock fragment content	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7191:							
Lithnip	2	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.03	Rock fragment content	0.00
		Bottom layer a possible source	0.25			Depth to bedrock < 20"	0.00
Meiss	2	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
				Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Rock fragment content	0.00
						pH between 4.5 and 6.5	0.92
Melody	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						pH > 6.5	1.00
Rubble land	2	Not rated		Not rated		Not rated	
7201:							
Rubble land, talus	45	Not rated		Not rated		Not rated	
Glenalpine	40	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
						Hard to reclaim	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.05	Rock fragment content	0.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Rockbound very stony loam	5	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer not a source	0.00	Sand fractions > 85%	0.00
		Bottom layer not a source	0.00			Depth to bedrock < 20"	0.00
						Rock fragment content	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7211:							
Southcamp	80	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.00
Cassenai gravelly loamy coarse sand	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.46
Genoapeak	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00
Zephyrcove	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.24
						Depth to bedrock 20 to 40"	0.76
Cagwin	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Deerhill	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.00	Rock fragment content	0.68
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7221:							
Tahoma	80	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.88
						pH between 4.5 and 6.5	0.88
						Slope 8 to 12%	0.96
Waca	10	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Rock fragment content	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.94
Inville	4	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.03	Rock fragment content	0.00
						Slope 12 to 15%	0.37
Rubble land	3	Not rated		Not rated		Not rated	
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
Ellispeak	1	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
Rock outcrop	1	Not rated		Not rated		Not rated	
7222:							
Tahoma	50	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.88
						pH between 4.5 and 6.5	0.88
						Slope 8 to 12%	0.96

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7222:							
Jorge very gravelly sandy loam	30	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.28	Thickest layer a possible source	0.03	Hard to reclaim	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.38	Bottom layer a possible source	0.05	Slope 8 to 12%	0.96
Waca	10	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Rock fragment content	0.00
						Slope > 15%	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Depth to bedrock 20 to 40"	0.94
Inville	5	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
				Bottom layer a possible source	0.03	Rock fragment content	0.00
		Bottom layer a possible source	0.03			Slope 12 to 15%	0.37
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
				Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Slope > 15%	0.00
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe, gravelly	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
7231:							
Waca	80	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Rock fragment content	0.00
						Slope > 15%	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Depth to bedrock 20 to 40"	0.94

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7231:							
Ellispeak	5	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
				Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Slope > 15%	0.00
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.43	Bottom layer a possible source	0.05	Rock fragment content	0.00
						Hard to reclaim	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Slope > 15%	0.00
Kneeridge, well drained	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Slope 8 to 12%	0.84
				Thickest layer a possible source	0.04	Hard to reclaim	0.95
Paige	2	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.02	Slope > 15%	0.00
						Hard to reclaim	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.05	Rock fragment content	0.41
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00			Saturation from 1 to 3'	0.86
				Thickest layer a possible source	0.05	Rock fragment content	0.88
						Sand fractions 75-85%	0.94
7232:							
Waca	80	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Slope > 15%	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Depth to bedrock 20 to 40"	0.94

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7232:							
Ellispeak	5	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
				Thickest layer not a source	0.00	Rock fragment content	0.00
		Bottom layer not a source	0.00			Depth to bedrock < 20"	0.00
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	4	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.43	Bottom layer a possible source	0.05	Rock fragment content	0.00
						Hard to reclaim	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Slope > 15%	0.00
Kneeridge, well drained	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Slope 8 to 12%	0.84
				Thickest layer a possible source	0.04	Hard to reclaim	0.95
Paige	2	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.02	Slope > 15%	0.00
						Hard to reclaim	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.05	Rock fragment content	0.41
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00			Saturation from 1 to 3'	0.86
				Thickest layer a possible source	0.05	Rock fragment content	0.88
						Sand fractions 75-85%	0.94
Typic Epiaquents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Slope 8 to 12%	0.84
				Thickest layer a possible source	0.05	Rock fragment content	0.88
						Sand fractions 75-85%	0.94

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7233:							
Waca	80	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Slope > 15%	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Depth to bedrock 20 to 40"	0.94
Ellispeak	5	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
				Thickest layer not a source	0.00	Rock fragment content	0.00
		Bottom layer not a source	0.00			Depth to bedrock < 20"	0.00
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.43	Bottom layer a possible source	0.05	Rock fragment content	0.00
						Hard to reclaim	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Slope > 15%	0.00
Kneeridge, well drained	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Slope 8 to 12%	0.84
				Thickest layer a possible source	0.04	Hard to reclaim	0.95
Paige	2	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.02	Slope > 15%	0.00
						Hard to reclaim	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.05	Rock fragment content	0.41
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00			Saturation from 1 to 3'	0.86
				Thickest layer a possible source	0.05	Rock fragment content	0.88
						Sand fractions 75-85%	0.94

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7241:							
Zephyrcove	50	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.24
						Depth to bedrock 20 to 40"	0.76
Southcamp	20	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Slope > 15%	0.00
Genoapeak	17	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Hard to reclaim	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Slope > 15%	0.00
Cagwin	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Cassenai gravelly loamy coarse sand	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.46
Deerhill	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.00	Rock fragment content	0.68
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7242:							
Zephyrcove	50	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.24
						Depth to bedrock 20 to 40"	0.76
Southcamp	20	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.00
Genoapeak	17	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00
Cagwin	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Cassenai gravelly loamy coarse sand	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.46
Deerhill	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.00	Rock fragment content	0.68
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7401:							
Burnlake	60	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.12	Thickest layer a possible source	0.02	Hard to reclaim	0.00
		Thickest layer a possible source	0.31	Bottom layer a possible source	0.10	Rock fragment content	0.00
						Slope > 15%	0.00
Roadcat	25	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.31	Bottom layer a possible source	0.13	Hard to reclaim	0.00
		Bottom layer a possible source	0.38	Thickest layer a possible source	0.13	Rock fragment content	0.00
						Slope > 15%	0.00
						Sand fractions 75-85%	0.04
Hardtil	4	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.05	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
Aquic Haplocryolls	2	Fair source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Hard to reclaim	0.00
		Thickest layer a possible source	0.31	Bottom layer a possible source	0.10	Rock fragment content	0.00
						Slope > 15%	0.00
Aspetill	2	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.29	Thickest layer not a source	0.00	Hard to reclaim	0.00
		Thickest layer a possible source	0.29	Bottom layer a possible source	0.04	Rock fragment content	0.00
						Slope > 15%	0.00
Cumulic Cryaquolls	2	Fair source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Saturation < 1' depth	0.00
		Thickest layer a possible source	0.31	Bottom layer a possible source	0.10	Hard to reclaim	0.00
						Rock fragment content	0.00
						Slope > 15%	0.00
Stumpatil	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.03	Hard to reclaim	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.06	Rock fragment content	0.00
						Slope > 15%	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7401:							
Typic Haploxerepts	2	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.31	Bottom layer a possible source	0.13	Hard to reclaim	0.00
		Bottom layer a possible source	0.31	Thickest layer a possible source	0.13	Rock fragment content	0.00
						Slope > 15%	0.00
						Sand fractions 75-85%	0.04
Rock outcrop	1	Not rated		Not rated		Not rated	
7411:							
Cagwin	50	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
						Slope 8 to 12%	0.84
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Rock fragment content	0.00
						Hard to reclaim	0.46
						Slope 8 to 12%	0.84
Toem	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
						Rock fragment content	0.01
Dagget very gravelly loamy coarse sand	5	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.32

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7411:							
Temo	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
						Slope 8 to 12%	0.84
Witefels	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.25
						Depth to bedrock 20 to 40"	0.82
						Slope 8 to 12%	0.84
Marla	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
7412:							
Cagwin	50	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.46
Toem	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
						Rock fragment content	0.01

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7412:							
Dagget very gravelly loamy coarse sand------	5	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
						Rock fragment content	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Temo--------------------	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
Witefels----------------	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Rock fragment content	0.00
				Thickest layer a possible source	0.10	Sand fractions 75-85%	0.25
						Depth to bedrock 20 to 40"	0.82
Marla-------------------	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions 75-85%	0.46
				Thickest layer a possible source	0.10		
7413:							
Cagwin------------------	50	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions > 85%	0.00
				Bottom layer a possible source	0.51	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Rock outcrop, granitic--	20	Not rated		Not rated		Not rated	
Cassenai gravelly loamy coarse sand------------	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions > 85%	0.00
				Thickest layer a possible source	0.12	Rock fragment content	0.00
						Hard to reclaim	0.46

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7413:							
Toem	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.01
Dagget very gravelly loamy coarse sand	5	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Temo	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
Witefels	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.25
						Depth to bedrock 20 to 40"	0.82
Marla	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
7414:							
Cagwin	50	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Rock outcrop, granitic	20	Not rated		Not rated		Not rated	

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7414:							
Cassenai gravelly loamy coarse sand	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.46
Toem	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.01
Dagget very gravelly loamy coarse sand	5	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Temo	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
Witefels	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.25
						Depth to bedrock 20 to 40"	0.82
Marla	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7421:							
Cassenai gravelly loamy coarse sand	78	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Rock fragment content	0.00
						Hard to reclaim	0.46
						Slope 8 to 12%	0.84
Cagwin	12	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
						Slope 8 to 12%	0.84
Toem	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
						Rock fragment content	0.01
Rock outcrop	3	Not rated		Not rated		Not rated	
Christopher gravelly loamy coarse sand	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
						Hard to reclaim	0.16
						Rock fragments	0.99
Christopher loamy coarse sand	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Rock fragment content	0.82
Marla	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7422:							
Cassenai gravelly loamy coarse sand	73	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.46
Cagwin	12	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Dagget very gravelly loamy coarse sand	5	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Toem	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
						Rock fragment content	0.01
Aquic Xerorthents	2	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
Christopher gravelly loamy coarse sand	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
						Hard to reclaim	0.16
						Rock fragments	0.99
Rock outcrop	2	Not rated		Not rated		Not rated	

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7423:							
Cassenai gravelly loamy coarse sand	78	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.46
Cagwin	12	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Toem	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.01
Rock outcrop	3	Not rated		Not rated		Not rated	
Christopher gravelly loamy coarse sand	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
						Hard to reclaim	0.16
						Rock fragments	0.99
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
7424:							
Cassenai gravelly loamy coarse sand	78	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.46

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7424:							
Cagwin	12	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Toem	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.01
Rock outcrop	4	Not rated		Not rated		Not rated	
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
7425:							
Cassenai, moist	80	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.47	Rock fragment content	0.00
						Hard to reclaim	0.26
						Slope 8 to 12%	0.84
Cagwin	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
						Slope 8 to 12%	0.84
Meeks, extremely bouldery	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Rock fragment content	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
						Slope 8 to 12%	0.84

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7425:							
Tallac, very stony------	5	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Hard to reclaim	0.00
Rock outcrop------------	2	Not rated		Not rated		Not rated	
Toem--------------------	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
						Rock fragment content	0.01
Marla--------------------	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
7426:							
Cassenai, moist---------	80	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.47	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.26
Cagwin------------------	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Tallac, very stony------	5	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Slope > 15%	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Rock fragment content	0.00
						Hard to reclaim	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7426:							
Meeks, extremely bouldery	4	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Slope > 15%	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
Rock outcrop	2	Not rated		Not rated		Not rated	
Toem	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
						Rock fragment content	0.01
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00			Saturation from 1 to 3'	0.86
				Thickest layer a possible source	0.05	Rock fragment content	0.88
						Sand fractions 75-85%	0.94
Marla	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions 75-85%	0.46
				Thickest layer a possible source	0.10		
7427:							
Cassenai, moist	80	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions > 85%	0.00
				Bottom layer a possible source	0.47	Rock fragment content	0.00
						Hard to reclaim	0.26
Cagwin	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions > 85%	0.00
				Bottom layer a possible source	0.51	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7427:							
Meeks, extremely bouldery	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
Toem	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.01
Rock outcrop	2	Not rated		Not rated		Not rated	
Tallac, very stony	2	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Slope > 15%	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Rock fragment content	0.00
						Hard to reclaim	0.00
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
7428:							
Cassenai, moist	80	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.47	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.26
Cagwin	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7428:							
Meeks, extremely bouldery	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Slope > 15%	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
Toem	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.01
Rock outcrop	2	Not rated		Not rated		Not rated	
Tallac, very stony	2	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Slope > 15%	0.00
						Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Hard to reclaim	0.00
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00			Saturation from 1 to 3'	0.86
				Thickest layer a possible source	0.05	Rock fragment content	0.88
						Sand fractions 75-85%	0.94
7431:							
Celio	80	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.37	Thickest layer a possible source	0.37	Sand fractions > 85%	0.00
						Hard to reclaim	0.00
		Bottom layer a possible source	0.65	Bottom layer a possible source	0.91	Rock fragment content	0.00
						Saturation from 1 to 3'	0.29
Meeks, stony	7	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Rock fragment content	0.00
						Hard to reclaim	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Sand fractions 75-85%	0.01

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7431:							
Tahoe, gravelly---------	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
Marla-------------------	4	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
Watah-------------------	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.13
						Hard to reclaim	0.26
						pH between 4.5 and 6.5	0.95
7441:							
Christopher loamy coarse sand----------	80	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Rock fragment content	0.82
Gefo gravelly loamy coarse sand----------	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.64	Rock fragment content	0.00
						Hard to reclaim	0.46
Jabu---------------------	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.07		

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7441:							
Oneidas	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.07	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.76
Marla	2	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
7442:							
Christopher loamy coarse sand	80	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Slope > 15%	0.00
						Rock fragment content	0.82
Gefo gravelly loamy coarse sand	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.64	Rock fragment content	0.00
						Hard to reclaim	0.46
						Slope 8 to 12%	0.84
Jabu	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.07	Rock fragment content	0.00
Oneidas	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.07	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.76
						Slope 8 to 12%	0.84

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7442:							
Marla	2	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
7443:							
Christopher gravelly loamy coarse sand	80	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
						Hard to reclaim	0.16
						Rock fragments	0.99
Gefo gravelly loamy coarse sand	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.64	Rock fragment content	0.00
						Hard to reclaim	0.46
						Slope 8 to 12%	0.84
Jabu	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.07	Rock fragment content	0.00
Oneidas	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.07	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.76
						Slope 8 to 12%	0.84
Marla	2	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7444:							
Christopher loamy coarse sand	45	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Rock fragment content	0.82
Gefo gravelly loamy coarse sand	35	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.64	Rock fragment content	0.00
						Hard to reclaim	0.46
Jabu	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.07		
Marla	5	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
Oneidas	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.07	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.76
Ubaj	5	Poor source		Poor source		Good source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00		
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00		

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7451:							
Gefo gravelly loamy coarse sand	80	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.64	Rock fragment content	0.00
						Hard to reclaim	0.46
Christopher loamy coarse sand	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Rock fragment content	0.82
Jabu	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.07		
Oneidas	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.07	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.76
Marla	2	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
7452:							
Gefo gravelly loamy coarse sand	80	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.64	Rock fragment content	0.00
						Hard to reclaim	0.46
						Slope 8 to 12%	0.84

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7452:							
Christopher loamy coarse sand----------	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Slope > 15%	0.00
						Rock fragment content	0.82
Jabu----------	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.07	Rock fragment content	0.00
Oneidas----------	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.07	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.76
						Slope 8 to 12%	0.84
Marla----------	2	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
7461:							
Jabu----------	80	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.07		
Christopher loamy coarse sand----------	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Rock fragment content	0.82

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7461:							
Oneidas	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.07	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.76
Gefo gravelly loamy coarse sand	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.64	Rock fragment content	0.00
						Hard to reclaim	0.46
Marla	2	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
7462:							
Jabu	80	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.07	Rock fragment content	0.00
Christopher loamy coarse sand	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Slope > 15%	0.00
						Rock fragment content	0.82
Oneidas	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.07	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.76
						Slope 8 to 12%	0.84

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7462:							
Gefo gravelly loamy coarse sand----------	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.64	Rock fragment content	0.00
						Hard to reclaim	0.46
						Slope 8 to 12%	0.84
Marla----------	2	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
7471:							
Marla----------	80	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
Christopher loamy coarse sand----------	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Rock fragment content	0.82
Gefo gravelly loamy coarse sand----------	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.64	Rock fragment content	0.00
						Hard to reclaim	0.46
Tahoe silt loam---------	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.09		

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7471:							
Ubaj	4	Poor source		Poor source		Good source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00		
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00		
Watah	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.13
						Hard to reclaim	0.26
						pH between 4.5 and 6.5	0.95
7481:							
Meeks, stony	85	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Rock fragment content	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
Cassenai gravelly loamy coarse sand	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Rock fragment content	0.00
						Hard to reclaim	0.46
						Slope 8 to 12%	0.84
Celio	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.37	Thickest layer a possible source	0.37	Sand fractions > 85%	0.00
		Bottom layer a possible source	0.65	Bottom layer a possible source	0.91	Hard to reclaim	0.00
						Rock fragment content	0.00
						Saturation from 1 to 3'	0.29
Gefo gravelly loamy coarse sand	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.64	Rock fragment content	0.00
						Hard to reclaim	0.46

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7481:							
Tahoe, gravelly---------	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
7482:							
Meeks, stony----------	80	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Rock fragment content	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
						Slope 8 to 12%	0.84
Cassenai gravelly loamy coarse sand----------	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Rock fragment content	0.00
						Hard to reclaim	0.46
						Slope 8 to 12%	0.84
Oneidas----------	7	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.07	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.76
						Slope 8 to 12%	0.84
Celio----------	3	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.37	Thickest layer a possible source	0.37	Sand fractions > 85%	0.00
		Bottom layer a possible source	0.65	Bottom layer a possible source	0.91	Hard to reclaim	0.00
						Rock fragment content	0.00
						Saturation from 1 to 3'	0.29
7483:							
Meeks, very stony-------	85	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Rock fragment content	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Hard to reclaim	0.00
						Sand fractions 75-85%	0.01

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7483:							
Cassenai gravelly loamy coarse sand	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Rock fragment content	0.00
						Hard to reclaim	0.46
						Slope 8 to 12%	0.84
Celio	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.37	Thickest layer a possible source	0.37	Sand fractions > 85%	0.00
						Hard to reclaim	0.00
		Bottom layer a possible source	0.65	Bottom layer a possible source	0.91	Rock fragment content	0.00
						Saturation from 1 to 3'	0.29
Jabu	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.07		
7484:							
Meeks, extremely bouldery	80	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Rock fragment content	0.00
						Hard to reclaim	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Sand fractions 75-85%	0.01
						Slope 8 to 12%	0.84
Burnlake	5	Fair source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.02	Hard to reclaim	0.00
		Thickest layer a possible source	0.31			Rock fragment content	0.00
				Bottom layer a possible source	0.10	Slope > 15%	0.00
Meeks, rubbly	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Rock fragment content	0.00
						Hard to reclaim	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Sand fractions 75-85%	0.01
						Slope 8 to 12%	0.84

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7484:							
Dagget, moist	3	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Rock fragment content	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
						Slope 8 to 12%	0.84
Tallac, very stony	3	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Hard to reclaim	0.00
Roadcat	2	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.31	Bottom layer a possible source	0.13	Hard to reclaim	0.00
		Bottom layer a possible source	0.38	Thickest layer a possible source	0.13	Rock fragment content	0.00
						Slope > 15%	0.00
						Sand fractions 75-85%	0.04
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
Jabu	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.07	Rock fragment content	0.00
7485:							
Meeks, extremely bouldery	80	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.01

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7485:							
Burnlake	5	Fair source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.02	Hard to reclaim	0.00
		Thickest layer a possible source	0.31	Bottom layer a possible source	0.10	Rock fragment content	0.00
						Slope > 15%	0.00
Meeks, rubbly	5	Fair source		Fair source		Poor source	
		Thickest layer a possible	0.09	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
Dagget, moist	3	Fair source		Fair source		Poor source	
		Bottom layer a possible	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Tallac, very stony	3	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Slope > 15%	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Rock fragment content	0.00
						Hard to reclaim	0.00
Roadcat	2	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.31	Bottom layer a possible source	0.13	Hard to reclaim	0.00
		Bottom layer a possible source	0.38	Thickest layer a possible source	0.13	Rock fragment content	0.00
						Slope > 15%	0.00
						Sand fractions 75-85%	0.04
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
Jabu	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.07	Rock fragment content	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7486:							
Meeks, extremely bouldery	80	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Slope > 15%	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
Burnlake	5	Fair source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.02	Hard to reclaim	0.00
		Thickest layer a possible source	0.31			Rock fragment content	0.00
				Bottom layer a possible source	0.10	Slope > 15%	0.00
Meeks, rubbly	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Slope > 15%	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
Dagget, moist	3	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
						Rock fragment content	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Tallac, very stony	3	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Slope > 15%	0.00
						Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Hard to reclaim	0.00
Roadcat	2	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.31	Bottom layer a possible source	0.13	Hard to reclaim	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.38	Thickest layer a possible source	0.13	Slope > 15%	0.00
						Sand fractions 75-85%	0.04

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7486:							
Aquic Xerorthents-------	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
Jabu---------------------	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.07	Rock fragment content	0.00
7487:							
Meeks, rubbly-----------	80	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Rock fragment content	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
						Slope 8 to 12%	0.84
Burnlake----------------	5	Fair source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.02	Hard to reclaim	0.00
		Thickest layer a possible source	0.31	Bottom layer a possible source	0.10	Rock fragment content	0.00
						Slope > 15%	0.00
Rockbound very gravelly loam-------------------	5	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Depth to bedrock < 20"	0.00
						Sand fractions 75-85%	0.04
						Slope 12 to 15%	0.37
Roadcat-----------------	3	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.31	Bottom layer a possible source	0.13	Hard to reclaim	0.00
		Bottom layer a possible source	0.38	Thickest layer a possible source	0.13	Rock fragment content	0.00
						Slope > 15%	0.00
						Sand fractions 75-85%	0.04

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7487:							
Cagwin	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
						Slope 8 to 12%	0.84
Cassenai gravelly loamy coarse sand	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Rock fragment content	0.00
						Hard to reclaim	0.46
						Slope 8 to 12%	0.84
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
7488:							
Meeks, rubbly	80	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
Burnlake	5	Fair source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.02	Hard to reclaim	0.00
		Thickest layer a possible source	0.31	Bottom layer a possible source	0.10	Rock fragment content	0.00
						Slope > 15%	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7488:							
Rockbound very gravelly loam	5	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
				Bottom layer a possible source	0.10	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Sand fractions 75-85%	0.04
						Slope 12 to 15%	0.37
Roadcat	3	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.31	Bottom layer a possible source	0.13	Hard to reclaim	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.38	Thickest layer a possible source	0.13	Slope > 15%	0.00
						Sand fractions 75-85%	0.04
Cagwin	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions > 85%	0.00
				Bottom layer a possible source	0.51	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Cassenai gravelly loamy coarse sand	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions > 85%	0.00
				Thickest layer a possible source	0.12	Rock fragment content	0.00
						Hard to reclaim	0.46
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00			Saturation from 1 to 3'	0.86
				Thickest layer a possible source	0.05	Rock fragment content	0.88
						Sand fractions 75-85%	0.94
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7489:							
Meeks, rubbly	80	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Slope > 15%	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
Burnlake	5	Fair source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.02	Hard to reclaim	0.00
		Thickest layer a possible source	0.31	Bottom layer a possible source	0.10	Rock fragment content	0.00
						Slope > 15%	0.00
Rockbound very stony loam	5	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer not a source	0.00	Sand fractions > 85%	0.00
		Bottom layer not a source	0.00			Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
Roadcat	3	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.31	Bottom layer a possible source	0.13	Hard to reclaim	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.38	Thickest layer a possible source	0.13	Slope > 15%	0.00
						Sand fractions 75-85%	0.04
Cassenai gravelly loamy coarse sand	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions > 85%	0.00
				Thickest layer a possible source	0.12	Rock fragment content	0.00
						Hard to reclaim	0.46
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00			Saturation from 1 to 3'	0.86
				Thickest layer a possible source	0.05	Rock fragment content	0.88
						Sand fractions 75-85%	0.94

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7489:							
Cagwin	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
Toem	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.01
7491:							
Oneidas	80	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.07	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.76
Jabu	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.07		
Christopher loamy coarse sand	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Rock fragment content	0.82
Meeks, stony	3	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Rock fragment content	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Hard to reclaim	0.00
						Sand fractions 75-85%	0.01

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7491:							
Gefo gravelly loamy coarse sand	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.64	Rock fragment content	0.00
						Hard to reclaim	0.46
Marla	2	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
7492:							
Oneidas	80	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.07	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.76
						Slope 8 to 12%	0.84
Jabu	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.07	Rock fragment content	0.00
Christopher loamy coarse sand	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Slope > 15%	0.00
						Rock fragment content	0.82
Meeks, stony	3	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Rock fragment content	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
						Slope 8 to 12%	0.84

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7492:							
Gefo gravelly loamy coarse sand	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.64	Rock fragment content	0.00
						Hard to reclaim	0.46
						Slope 8 to 12%	0.84
Marla	2	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
7500:							
Rock outcrop, granitic	90	Not rated		Not rated		Not rated	
Rockbound very stony loam	2	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
Rubble land	2	Not rated		Not rated		Not rated	
Toem	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.01
Windyridge	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.12	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.95

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7500:							
Freelpeak	1	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.04	Slope > 15%	0.00
						Sand fractions > 85%	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.51	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.52
Jobsis	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.12	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.88
7501:							
Rock outcrop, granitic	50	Not rated		Not rated		Not rated	
Rockbound very gravelly loam	30	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
				Bottom layer a possible source	0.10	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Sand fractions 75-85%	0.04
						Slope 12 to 15%	0.37
Dagget, moist	5	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Rock fragment content	0.00
						Hard to reclaim	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.32
						Slope 8 to 12%	0.84
Meeks, rubbly	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Rock fragment content	0.00
						Hard to reclaim	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Sand fractions 75-85%	0.01
						Slope 8 to 12%	0.84
Temo	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
						Slope 8 to 12%	0.84

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7501:							
Witefels	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.25
						Depth to bedrock 20 to 40"	0.82
						Slope 8 to 12%	0.84
7502:							
Rock outcrop, granitic	50	Not rated		Not rated		Not rated	
Rockbound very stony loam	25	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
Dagget, moist	5	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Glenalpine	5	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.05	Hard to reclaim	0.00
						Rock fragment content	0.00
Rubble land	5	Not rated		Not rated		Not rated	
Temo	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
Witefels	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.25
						Depth to bedrock 20 to 40"	0.82

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7511:							
Shalgran	70	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
Rock outcrop	15	Not rated		Not rated		Not rated	
Sofgran	6	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.13	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.13	Hard to reclaim	0.00
						Rock fragment content	0.00
						Sand fractions 75-85%	0.04
						pH between 4.5 and 6.5	0.88
Dystric Xerorthents	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.50	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.50	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.94
Burnlake	2	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.12	Thickest layer a possible source	0.02	Slope > 15%	0.00
		Thickest layer a possible source	0.31	Bottom layer a possible source	0.10	Hard to reclaim	0.00
						Rock fragment content	0.00
Jobsis	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.61	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.88
Temo	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.61	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						Sand fractions 75-85%	0.01
						pH > 6.5	1.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7521:							
Tallac, very stony------	75	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Hard to reclaim	0.00
Tallac, rubbly----------	10	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Hard to reclaim	0.00
Tallac, moderately well drained----------	9	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Hard to reclaim	0.00
Meeks, extremely bouldery----------	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Rock fragment content	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
						Slope 8 to 12%	0.84
Aquic Xerorthents-------	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
7522:							
Tallac, very stony------	85	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Slope > 15%	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Rock fragment content	0.00
						Hard to reclaim	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7522:							
Meeks, extremely bouldery	10	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Slope > 15%	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00			Saturation from 1 to 3'	0.86
				Thickest layer a possible source	0.05	Rock fragment content	0.88
						Sand fractions 75-85%	0.94
Cagwin	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions > 85%	0.00
				Bottom layer a possible source	0.51	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Cassenai gravelly loamy coarse sand	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions > 85%	0.00
				Thickest layer a possible source	0.12	Rock fragment content	0.00
						Hard to reclaim	0.46
Dagget, moist	1	Fair source		Fair source		Poor source	
		Bottom layer a possible	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer a possible source	0.03			Rock fragment content	0.00
				Thickest layer a possible source	0.10	Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Rockbound very gravelly loam	1	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
				Bottom layer a possible source	0.10	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Sand fractions 75-85%	0.04
						Slope 12 to 15%	0.37

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7523:							
Tallac, very stony------	85	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Slope > 15%	0.00
						Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Hard to reclaim	0.00
Meeks, extremely bouldery----------	10	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Slope > 15%	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
Aquic Xerorthents-------	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00			Saturation from 1 to 3'	0.86
				Thickest layer a possible source	0.05	Rock fragment content	0.88
						Sand fractions 75-85%	0.94
Cagwin------------------	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions > 85%	0.00
				Bottom layer a possible source	0.51	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Cassenai gravelly loamy coarse sand----------	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions > 85%	0.00
				Thickest layer a possible source	0.12	Rock fragment content	0.00
						Hard to reclaim	0.46
Dagget, moist----------	1	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
						Rock fragment content	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Hard to reclaim	0.00
						Sand fractions 75-85%	0.32

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7523:							
Rockbound very stony loam	1	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer not a source	0.00	Sand fractions > 85%	0.00
		Bottom layer not a source	0.00			Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
7524:							
Tallac, moderately well drained	80	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Hard to reclaim	0.00
Tallac, moderately well drained, 5 to 9 percent slopes	10	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Hard to reclaim	0.00
Meeks, very stony	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Rock fragment content	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
Callat	4	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.05	Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Hard to reclaim	0.00
						Slope > 15%	0.00
Tahoe, gravelly	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7525:							
Tallac, moderately well drained	80	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Hard to reclaim	0.00
Tallac, moderately well drained, 0 to 5 percent slopes	10	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Hard to reclaim	0.00
Meeks, extremely bouldery	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Rock fragment content	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
						Slope 8 to 12%	0.84
Callat	4	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.05	Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Hard to reclaim	0.00
						Slope > 15%	0.00
Tahoe, gravelly	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
7526:							
Tallac, rubbly	85	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Hard to reclaim	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7526:							
Tallac, moderately well drained	10	Poor source		Fair source		Poor source	
		Thickest layer not a source	0.00	Bottom layer a possible source	0.04	Rock fragment content	0.00
		due to fines or thin layer				Hard to reclaim	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04		
Tallac, very stony	4	Poor source		Fair source		Poor source	
		Thickest layer not a source	0.00	Bottom layer a possible source	0.04	Rock fragment content	0.00
		due to fines or thin layer				Hard to reclaim	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04		
Aquic Xerorthents	1	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source	0.00			Saturation from 1 to 3'	0.86
		due to fines or thin layer		Thickest layer a possible source	0.05	Rock fragment content	0.88
						Sand fractions 75-85%	0.94
7531:							
Toem	45	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Sand fractions > 85%	0.00
		Thickest layer not a source	0.00	Bottom layer a possible source	0.66	Depth to bedrock < 20"	0.00
		due to fines or thin layer				Slope > 15%	0.00
						Rock fragment content	0.01
Rock outcrop, granitic	40	Not rated		Not rated		Not rated	
Cagwin	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source	0.00			Sand fractions > 85%	0.00
		due to fines or thin layer		Bottom layer a possible source	0.51	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Cassenai gravelly loamy coarse sand	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source	0.00			Sand fractions > 85%	0.00
		due to fines or thin layer		Thickest layer a possible source	0.12	Rock fragment content	0.00
						Hard to reclaim	0.46

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7532:							
Toem	45	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.01
Rock outcrop, granitic	40	Not rated		Not rated		Not rated	
Cagwin	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Cassenai gravelly loamy coarse sand	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.46
Dagget very gravelly loamy coarse sand	5	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
7533:							
Toem	45	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.01
Rock outcrop, granitic	40	Not rated		Not rated		Not rated	

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7533:							
Cagwin	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Cassenai gravelly loamy coarse sand	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.46
7541:							
Ubaj	80	Poor source		Poor source		Good source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00		
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00		
Christopher loamy coarse sand	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.12	Rock fragment content	0.82
Jabu	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.07		
Oneidas	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.07	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.76

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
7541:							
Gefo gravelly loamy coarse sand	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.10	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.64	Rock fragment content	0.00
						Hard to reclaim	0.46
Marla	2	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
9001:							
Bidart mucky silt loam	50	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.03	pH between 4.5 and 6.5	0.92
Bidart, wet	30	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.03	pH between 4.5 and 6.5	0.92
Tahoe, gravelly	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
Tahoe silt loam	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.09		
Watah	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.13
						Hard to reclaim	0.26
						pH between 4.5 and 6.5	0.95

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9001:							
Water	3	Not rated		Not rated		Not rated	
Hellhole	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Saturation < 1' depth	0.00
		Organic matter content	0.00	Thickest layer not a source	0.00	OM > 30%	0.00
				Organic matter content	0.00	pH > 6.5	1.00
9011:							
Oxyaquic Cryorthents	30	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.50	Sand fractions 75-85%	0.00
						Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
Aquic Xerorthents	28	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.02	Slope 8 to 12%	0.84
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.05	Saturation from 1 to 3'	0.86
						Rock fragment content	0.88
						Sand fractions 75-85%	0.94
Tahoe, gravelly	15	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.19	Rock fragment content	0.00
Bidart mucky silt loam	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.03	pH between 4.5 and 6.5	0.92
Watah	10	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.13
						Hard to reclaim	0.26
						pH between 4.5 and 6.5	0.95

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9011:							
Marla	5	Poor source		Fair source		Fair source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.01	Saturation from 1 to 3'	0.22
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Sand fractions 75-85%	0.46
Riverwash	2	Not rated		Not rated		Not rated	
9101:							
Callat	82	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.05	Rock fragment content	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Hard to reclaim	0.00
						Slope > 15%	0.00
Glenalpine	5	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.05	Hard to reclaim	0.00
						Rock fragment content	0.00
Meeks, extremely bouldery	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
Tallac, very stony	5	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Slope > 15%	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Rock fragment content	0.00
						Hard to reclaim	0.00
Rock outcrop	2	Not rated		Not rated		Not rated	
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.50	Sand fractions 75-85%	0.00
						Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9102:							
Callat	82	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.05	Slope > 15%	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Rock fragment content	0.00
						Hard to reclaim	0.00
Glenalpine	5	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.05	Hard to reclaim	0.00
						Rock fragment content	0.00
Meeks, extremely bouldery	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.09	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Bottom layer a possible source	0.50	Bottom layer a possible source	0.14	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.01
Tallac, very stony	5	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.04	Slope > 15%	0.00
		Bottom layer not a source	0.00	Thickest layer a possible source	0.04	Rock fragment content	0.00
						Hard to reclaim	0.00
Rock outcrop	2	Not rated		Not rated		Not rated	
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.50	Sand fractions 75-85%	0.00
						Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
9111:							
Florand	40	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.03	Rock fragment content	0.00
						Hard to reclaim	0.50

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9111:							
Lostridge	30	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.06	Rock fragment content	0.00
		Bottom layer not a source	0.00			Depth to bedrock 20 to 40"	0.48
						pH between 4.5 and 6.5	0.88
Fishsnooze	15	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
				Thickest layer not a source	0.00	Rock fragment content	0.00
		Bottom layer not a source	0.00			Depth to bedrock 20 to 40"	0.78
						pH between 4.5 and 6.5	0.88
Aquic Haplocryolls	3	Fair source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Hard to reclaim	0.00
		Thickest layer a possible source	0.31			Rock fragment content	0.00
				Bottom layer a possible source	0.10	Slope 8 to 12%	0.96
						No saturated zone within 3' depth	1.00
Lithnip, moist	3	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
				Bottom layer a possible source	0.03	Depth to bedrock < 20"	0.00
		Bottom layer a possible	0.25			Slope > 15%	0.00
Stumpatil	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.03	Hard to reclaim	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Rock fragment content	0.00
				Thickest layer a possible source	0.06	Slope > 15%	0.00
Lithnip	2	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.03	Rock fragment content	0.00
		Bottom layer a possible source	0.25			Depth to bedrock < 20"	0.00
Morscour	2	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
				Bottom layer a possible source	0.03	Depth to bedrock < 20"	0.00
		Bottom layer a possible source	0.12			Slope > 15%	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9111:							
Typic Cryaquolls	2	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.25	Thickest layer a possible source	0.03	Saturation < 1' depth	0.00
						Hard to reclaim	0.00
		Bottom layer a possible source	0.38	Bottom layer a possible source	0.13	Rock fragment content	0.00
						Slope > 15%	0.00
						Sand fractions 75-85%	0.04
9121:							
Watsonlake	80	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.41
						Slope 8 to 12%	0.84
Jorge very cobbly fine sandy loam	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Hard to reclaim	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Slope 8 to 12%	0.84
Sky	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.22
						pH between 4.5 and 6.5	0.98
Tahoma	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.88
						pH between 4.5 and 6.5	0.88
						Slope 8 to 12%	0.96
Waca	2	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Rock fragment content	0.00
						Slope > 15%	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Depth to bedrock 20 to 40"	0.94
Ellispeak	1	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
				Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Slope > 15%	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9121:							
Oxyaquic Cryorthents----	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.50	Sand fractions 75-85%	0.00
						Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
Rock outcrop----------	1	Not rated		Not rated		Not rated	
9122:							
Watsonlake----------	80	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.41
Jorge very cobbly fine sandy loam----------	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00
Tahoma----------	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.88
						pH between 4.5 and 6.5	0.88
Waca----------	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Rock fragment content	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.94
Sky----------	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.22
						pH between 4.5 and 6.5	0.98

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9122:							
Ellispeak	1	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
				Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Slope > 15%	0.00
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions 75-85%	0.00
				Thickest layer a possible source	0.50	Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
Rock outcrop	1	Not rated		Not rated		Not rated	
9123:							
Watsonlake	80	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.41
Jorge very cobbly fine sandy loam	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00
Tahoma	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.88
						pH between 4.5 and 6.5	0.88
Waca	5	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.13	Bottom layer a possible source	0.05	Slope > 15%	0.00
		Bottom layer a possible source	0.43	Thickest layer a possible source	0.05	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.94

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9123:							
Sky	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.22
						pH between 4.5 and 6.5	0.98
Ellispeak	1	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
				Thickest layer not a source	0.00	Rock fragment content	0.00
		Bottom layer not a source	0.00			Depth to bedrock < 20"	0.00
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.50	Sand fractions 75-85%	0.00
						Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
Rock outcrop	1	Not rated		Not rated		Not rated	
9131:							
Lithnip	40	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Bottom layer a possible source	0.25	Bottom layer a possible source	0.03	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
Meiss	30	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
						pH between 4.5 and 6.5	0.92
Hawkinspeak	15	Fair source		Poor source		Poor source	
		Bottom layer a possible source	0.12	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer a possible source	0.12	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.68

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9131:							
Lostridge	4	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.06	Rock fragment content	0.00
		Bottom layer not a source	0.00			Depth to bedrock 20 to 40"	0.48
						pH between 4.5 and 6.5	0.88
Fishsnooze	3	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
				Thickest layer not a source	0.00	Rock fragment content	0.00
		Bottom layer not a source	0.00			Depth to bedrock 20 to 40"	0.78
						pH between 4.5 and 6.5	0.88
Rock outcrop	3	Not rated		Not rated		Not rated	
Hawkinspeak, moist	2	Fair source		Poor source		Poor source	
		Bottom layer a possible source	0.12	Bottom layer not a source	0.00	Slope > 15%	0.00
				Thickest layer not a source	0.00	Rock fragment content	0.00
		Thickest layer a possible source	0.12			Depth to bedrock 20 to 40"	0.68
Aspocket	1	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
				Thickest layer not a source	0.00	Slope > 15%	0.00
		Bottom layer not a source	0.00			Hard to reclaim	0.68
Hawkridge	1	Fair source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
				Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
		Bottom layer a possible source	0.12			Slope > 15%	0.00
Typic Cryaquolls	1	Fair source		Fair source		Poor source	
		Thickest layer a possible source	0.25	Thickest layer a possible source	0.03	Saturation < 1' depth	0.00
						Hard to reclaim	0.00
		Bottom layer a possible source	0.38	Bottom layer a possible source	0.13	Rock fragment content	0.00
						Sand fractions 75-85%	0.04
						Slope 8 to 12%	0.84

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9141:							
Melody	55	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
						pH > 6.5	1.00
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	
Sky	10	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.22
						pH between 4.5 and 6.5	0.98
Mountrose	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00
Wardcreek	2	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.04	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.28
						pH > 6.5	1.00
Lithnip	1	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Bottom layer a possible source	0.25	Bottom layer a possible source	0.03	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
Meiss	1	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
						pH between 4.5 and 6.5	0.92
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.50	Sand fractions 75-85%	0.00
						Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9142:							
Melody	55	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						pH > 6.5	1.00
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	
Sky	10	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.22
						pH between 4.5 and 6.5	0.98
Mountrose	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00
Wardcreek	2	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.04	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.28
						pH > 6.5	1.00
Lithnip	1	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Bottom layer a possible source	0.25	Bottom layer a possible source	0.03	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
Meiss	1	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
						pH between 4.5 and 6.5	0.92
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.50	Sand fractions 75-85%	0.00
						Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9143:							
Melody	55	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						pH > 6.5	1.00
Rock outcrop, volcanic	25	Not rated		Not rated		Not rated	
Sky	10	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.22
						pH between 4.5 and 6.5	0.98
Mountrose	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00
Wardcreek	2	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.04	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.28
						pH > 6.5	1.00
Lithnip	1	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Bottom layer a possible source	0.25	Bottom layer a possible source	0.03	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
Meiss	1	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
						pH between 4.5 and 6.5	0.92
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.50	Sand fractions 75-85%	0.00
						Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9151:							
Shakespeare	80	Fair source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer a possible source	0.07	Thickest layer not a source	0.00	Slope > 15%	0.00
Deerhill	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.00	Rock fragment content	0.68
Mountrose	4	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00
Melody	3	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						pH > 6.5	1.00
Wardcreek	3	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.04	Rock fragment content	0.00
		Bottom layer not a source	0.00			Depth to bedrock 20 to 40"	0.28
						pH > 6.5	1.00
Dagget very gravelly loamy coarse sand	2	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
						Rock fragment content	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions 75-85%	0.00
				Thickest layer a possible source	0.50	Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9151:							
Temo	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
Witefels	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Rock fragment content	0.00
				Thickest layer a possible source	0.10	Sand fractions 75-85%	0.25
						Depth to bedrock 20 to 40"	0.82
9152:							
Shakespeare	80	Fair source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer a possible source	0.07	Thickest layer not a source	0.00	Rock fragment content	0.00
Deerhill	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.00	Rock fragment content	0.68
Mountrose	4	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00
Melody	3	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						pH > 6.5	1.00
Wardcreek	3	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.04	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.28
						pH > 6.5	1.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9152:							
Dagget very gravelly loamy coarse sand------	2	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
						Rock fragment content	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Oxyaquic Cryorthents----	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions 75-85%	0.00
				Thickest layer a possible source	0.50	Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
Temo----------	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
Witefels----------	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Rock fragment content	0.00
				Thickest layer a possible source	0.10	Sand fractions 75-85%	0.25
						Depth to bedrock 20 to 40"	0.82
9161:							
Sky----------	80	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.22
						pH between 4.5 and 6.5	0.98
Melody----------	10	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
						pH > 6.5	1.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9161:							
Mountrose	4	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00
Wardcreek	3	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.04	Rock fragment content	0.00
		Bottom layer not a source	0.00			Depth to bedrock 20 to 40"	0.28
						pH > 6.5	1.00
Lithnip	1	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.03	Rock fragment content	0.00
		Bottom layer a possible source	0.25			Depth to bedrock < 20"	0.00
Meiss	1	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
				Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Rock fragment content	0.00
						pH between 4.5 and 6.5	0.92
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions 75-85%	0.00
				Thickest layer a possible source	0.50	Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
9162:							
Sky	80	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.22
						pH between 4.5 and 6.5	0.98
Melody	10	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						pH > 6.5	1.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9162:							
Mountrose	4	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00
Wardcreek	3	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.04	Rock fragment content	0.00
		Bottom layer not a source	0.00			Depth to bedrock 20 to 40"	0.28
						pH > 6.5	1.00
Lithnip	1	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.03	Rock fragment content	0.00
		Bottom layer a possible source	0.25			Depth to bedrock < 20"	0.00
Meiss	1	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
				Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Rock fragment content	0.00
						pH between 4.5 and 6.5	0.92
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions 75-85%	0.00
				Thickest layer a possible source	0.50	Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
9163:							
Sky	80	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.22
						pH between 4.5 and 6.5	0.98
Melody	10	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						pH > 6.5	1.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9163:							
Mountrose	4	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00
Wardcreek	3	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.04	Rock fragment content	0.00
		Bottom layer not a source	0.00			Depth to bedrock 20 to 40"	0.28
						pH > 6.5	1.00
Lithnip	1	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.03	Rock fragment content	0.00
		Bottom layer a possible source	0.25			Depth to bedrock < 20"	0.00
Meiss	1	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
				Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Rock fragment content	0.00
						pH between 4.5 and 6.5	0.92
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions 75-85%	0.00
				Thickest layer a possible source	0.50	Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
9164:							
Sky	50	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.22
						pH between 4.5 and 6.5	0.98
Melody	40	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
						pH > 6.5	1.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9164:							
Mountrose	4	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00
Wardcreek	3	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.04	Rock fragment content	0.00
		Bottom layer not a source	0.00			Depth to bedrock 20 to 40"	0.28
						pH > 6.5	1.00
Lithnip	1	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.03	Rock fragment content	0.00
		Bottom layer a possible source	0.25			Depth to bedrock < 20"	0.00
Meiss	1	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
				Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Rock fragment content	0.00
						pH between 4.5 and 6.5	0.92
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions 75-85%	0.00
				Thickest layer a possible source	0.50	Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
9165:							
Sky	50	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.22
						pH between 4.5 and 6.5	0.98
Melody	40	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						pH > 6.5	1.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9165:							
Mountrose	4	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00
Wardcreek	3	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.04	Rock fragment content	0.00
		Bottom layer not a source	0.00			Depth to bedrock 20 to 40"	0.28
						pH > 6.5	1.00
Lithnip	1	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.03	Rock fragment content	0.00
		Bottom layer a possible source	0.25			Depth to bedrock < 20"	0.00
Meiss	1	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
				Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Rock fragment content	0.00
						pH between 4.5 and 6.5	0.92
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions 75-85%	0.00
				Thickest layer a possible source	0.50	Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
9166:							
Sky	50	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.22
						pH between 4.5 and 6.5	0.98
Melody	40	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						pH > 6.5	1.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9166:							
Mountrose	4	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00
Wardcreek	3	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.04	Rock fragment content	0.00
		Bottom layer not a source	0.00			Depth to bedrock 20 to 40"	0.28
						pH > 6.5	1.00
Lithnip	1	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.03	Rock fragment content	0.00
		Bottom layer a possible source	0.25			Depth to bedrock < 20"	0.00
Meiss	1	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
				Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Rock fragment content	0.00
						pH between 4.5 and 6.5	0.92
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions 75-85%	0.00
				Thickest layer a possible source	0.50	Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
9171:							
Mountrose	35	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Hard to reclaim	0.00
						Rock fragment content	0.00
Wardcreek	25	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer a possible source	0.04	Rock fragment content	0.00
		Bottom layer not a source	0.00			Depth to bedrock 20 to 40"	0.28
						pH > 6.5	1.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9171:							
Melody	20	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						pH > 6.5	1.00
Meiss	5	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
				Thickest layer not a source	0.00	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Rock fragment content	0.00
						pH between 4.5 and 6.5	0.92
Rock outcrop	5	Not rated		Not rated		Not rated	
Rubble land	5	Not rated		Not rated		Not rated	
Sky	5	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.22
						pH between 4.5 and 6.5	0.98
9401:							
Dagget very gravelly loamy coarse sand	75	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Temo	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
Witefels	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.25
						Depth to bedrock 20 to 40"	0.82

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9401:							
Jobsis	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.12	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.88
Rock outcrop	3	Not rated		Not rated		Not rated	
Whittell	3	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.03	Sand fractions > 85%	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.18	Bottom layer a possible source	0.12	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.64
						pH > 6.5	1.00
Cagwin	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions > 85%	0.00
				Bottom layer a possible source	0.51	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Cassenai, moist	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions > 85%	0.00
				Bottom layer a possible source	0.47	Rock fragment content	0.00
						Hard to reclaim	0.26
Toem	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
						Rock fragment content	0.01
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions 75-85%	0.00
				Thickest layer a possible source	0.50	Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9402:							
Dagget very gravelly loamy coarse sand------	75	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
						Rock fragment content	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Temo--------------------	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
Witefels----------------	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Rock fragment content	0.00
				Thickest layer a possible source	0.10	Sand fractions 75-85%	0.25
						Depth to bedrock 20 to 40"	0.82
Jobsis------------------	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.12	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.88
Rock outcrop------------	3	Not rated		Not rated		Not rated	
Whittell----------------	3	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.03	Slope > 15%	0.00
						Sand fractions > 85%	0.00
		Bottom layer a possible source	0.18	Bottom layer a possible source	0.12	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.64
						pH > 6.5	1.00
Cagwin------------------	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions > 85%	0.00
				Bottom layer a possible source	0.51	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9402:							
Cassenai, moist---------	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.47	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.26
Toem---------------------	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.01
Oxyaquic Cryorthents----	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.50	Sand fractions 75-85%	0.00
						Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
9403:							
Dagget very gravelly loamy coarse sand------	75	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Temo---------------------	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
Witefels----------------	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.25
						Depth to bedrock 20 to 40"	0.82

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9403:							
Jobsis	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.12	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.88
Rock outcrop	3	Not rated		Not rated		Not rated	
Whittell	3	Fair source		Fair source		Poor source	
		Thickest layer not a source	0.00	Thickest layer a possible source	0.03	Slope > 15%	0.00
		Bottom layer a possible source	0.18	Bottom layer a possible source	0.12	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.64
						pH > 6.5	1.00
Cagwin	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Cassenai, moist	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.47	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.26
Toem	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.66	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.01
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.50	Sand fractions 75-85%	0.00
						Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9404:							
Dagget, moist	80	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Rock fragment content	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
						Slope 8 to 12%	0.84
Cassenai, moist	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.12	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.47	Rock fragment content	0.00
						Hard to reclaim	0.26
						Slope 8 to 12%	0.84
Rockbound very gravelly loam	5	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Depth to bedrock < 20"	0.00
						Sand fractions 75-85%	0.04
						Slope 12 to 15%	0.37
Jobsis	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.12	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.88
Oxyaquic Cryorthents	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.50	Sand fractions 75-85%	0.00
						Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
Temo	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
						Slope 8 to 12%	0.84

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9404:							
Whittell	2	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.03	Sand fractions > 85%	0.00
						Rock fragment content	0.00
		Bottom layer a possible source	0.18	Bottom layer a possible source	0.12	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.64
						pH > 6.5	1.00
Witefels	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions 75-85%	0.25
				Thickest layer a possible source	0.10	Depth to bedrock 20 to 40"	0.82
						Slope 8 to 12%	0.84
9405:							
Dagget, moist	80	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
						Rock fragment content	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Cassenai, moist	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions > 85%	0.00
				Bottom layer a possible source	0.47	Rock fragment content	0.00
						Hard to reclaim	0.26
Rockbound very gravelly loam	5	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
				Bottom layer a possible source	0.10	Depth to bedrock < 20"	0.00
		Bottom layer not a source	0.00			Sand fractions 75-85%	0.04
						Slope 12 to 15%	0.37
Jobsis	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.12	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.88

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9405:							
Oxyaquic Cryorthents----	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.50	Sand fractions 75-85%	0.00
						Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
Temo----------	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
Whittell----------	2	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.03	Sand fractions > 85%	0.00
		Bottom layer a possible source	0.18	Bottom layer a possible source	0.12	Rock fragment content	0.00
						Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.64
						pH > 6.5	1.00
Witefels----------	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.25
						Depth to bedrock 20 to 40"	0.82
9406:							
Dagget, moist----------	80	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Cassenai, moist---------	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.47	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.26

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9406:							
Rockbound very stony loam	5	Poor source		Poor source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
				Bottom layer not a source	0.00	Sand fractions > 85%	0.00
		Bottom layer not a source	0.00			Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
Jobsis	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.12	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.88
Oxyaquic Cryorthents	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions 75-85%	0.00
				Thickest layer a possible source	0.50	Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
Temo	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
Whittell	2	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.03	Slope > 15%	0.00
						Sand fractions > 85%	0.00
		Bottom layer a possible source	0.18	Bottom layer a possible source	0.12	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.64
						pH > 6.5	1.00
Witefels	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Rock fragment content	0.00
				Thickest layer a possible source	0.10	Sand fractions 75-85%	0.25
						Depth to bedrock 20 to 40"	0.82

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9407:							
Dagget, moist----------	55	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Rock outcrop, granitic--	25	Not rated		Not rated		Not rated	
Temo----------	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
Witefels----------	5	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.25
						Depth to bedrock 20 to 40"	0.82
Whittell----------	4	Fair source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.03	Slope > 15%	0.00
		Bottom layer a possible source	0.18	Bottom layer a possible source	0.12	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.64
						pH > 6.5	1.00
Cassenai, moist---------	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.12	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.47	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.26
Jobsis----------	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.12	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.88

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9407:							
Oxyaquic Cryorthents----	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.50	Sand fractions 75-85%	0.00
						Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
9411:							
Freelpeak----------	50	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.04	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.04	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.82
Windyridge----------	25	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.12	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.95
Rock outcrop----------	10	Not rated		Not rated		Not rated	
Jobsis----------	8	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.61	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.88
Whittell----------	3	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.03	Slope > 15%	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.14	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.64
						pH > 6.5	1.00
Waterpeak----------	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.32

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9411:							
Buggin	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.06	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						Sand fractions 75-85%	0.04
Glaciers	1	Not rated		Not rated		Not rated	
9421:							
Jobsis	45	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.61	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.88
Whittell	25	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.03	Sand fractions > 85%	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.14	Rock fragment content	0.00
						Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.64
						pH > 6.5	1.00
Rock outcrop	15	Not rated		Not rated		Not rated	
Typic Cryorthents, 8 to 30 percent slopes	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.41	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.46	Hard to reclaim	0.00
						Rock fragment content	0.00
						Slope > 15%	0.00
						pH between 4.5 and 6.5	0.88
Windyridge	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.12	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.95

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9421:							
Klauspeak	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.04
Shalgran	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
Buggin	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.06	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
						Sand fractions 75-85%	0.04
Typic Cryorthents, 4 to 30 percent slopes	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.46	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.88
Waterpeak	1	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
						Slope > 15%	0.00
						Hard to reclaim	0.32
9431:							
Sofgran	40	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.13	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.13	Hard to reclaim	0.00
						Rock fragment content	0.00
						Sand fractions 75-85%	0.04
						pH between 4.5 and 6.5	0.88

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9431:							
Klauspeak	30	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.04
Temo	15	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.61	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						Sand fractions 75-85%	0.01
						pH > 6.5	1.00
Rock outcrop	4	Not rated		Not rated		Not rated	
Shalgran	4	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
Xeric Humicryepts	3	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.13	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.29	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.04
Stumpatil	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.03	Hard to reclaim	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.06	Rock fragment content	0.00
						Slope > 15%	0.00
Aquic Haplocryolls	1	Fair source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.05	Hard to reclaim	0.00
		Thickest layer a possible source	0.31	Bottom layer a possible source	0.10	Rock fragment content	0.00
						Slope > 15%	0.00
						No saturated zone within 3' depth	1.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9431:							
Hopeval	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.01	Saturation < 1' depth	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Hard to reclaim	0.00
				Bottom layer a possible source	0.12	Rock fragment content	0.97
9441:							
Temo	45	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
						Slope 8 to 12%	0.84
Witefels	35	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions 75-85%	0.25
				Thickest layer a possible source	0.10	Depth to bedrock 20 to 40"	0.82
						Slope 8 to 12%	0.84
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Cagwin	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Sand fractions > 85%	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Rock fragment content	0.00
				Bottom layer a possible source	0.51	Depth to bedrock 20 to 40"	0.38
						Slope 8 to 12%	0.84
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00			Sand fractions 75-85%	0.00
				Thickest layer a possible source	0.50	Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9442:							
Temo	45	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
Witefels	35	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.25
						Depth to bedrock 20 to 40"	0.82
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Cagwin	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.50	Sand fractions 75-85%	0.00
						Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
9443:							
Temo	45	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.00

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9443:							
Witefels	35	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.25
						Depth to bedrock 20 to 40"	0.82
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Cagwin	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Oxyaquic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.50	Sand fractions 75-85%	0.00
						Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
9444:							
Temo	45	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Depth to bedrock < 20"	0.00
						Rock fragment content	0.00
Witefels	35	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Sand fractions 75-85%	0.25
						Depth to bedrock 20 to 40"	0.82
Rock outcrop	10	Not rated		Not rated		Not rated	

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9444:							
Dagget very gravelly loamy coarse sand------	5	Fair source		Fair source		Poor source	
		Bottom layer a possible source	0.03	Bottom layer a possible source	0.10	Slope > 15%	0.00
		Thickest layer a possible source	0.03	Thickest layer a possible source	0.10	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.32
Cagwin------------------	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.09	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.51	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.38
Oxyaquic Cryorthents----	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.27	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.50	Sand fractions 75-85%	0.00
						Slope 8 to 12%	0.84
						Saturation from 1 to 3'	0.86
9451:							
Waterpeak---------------	80	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.32
Rock outcrop------------	10	Not rated		Not rated		Not rated	
Shalgran----------------	4	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
Typic Cryorthents-------	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer a possible source	0.41	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.46	Sand fractions > 85%	0.00
						Hard to reclaim	0.00
						Rock fragment content	0.00
						pH between 4.5 and 6.5	0.88

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9451:							
Pachic Haplocryolls-----	2	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Bottom layer a possible source	0.04	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.57	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.32
9461:							
Whittell----------	45	Poor source		Fair source		Poor source	
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer a possible source	0.03	Slope > 15%	0.00
		Bottom layer not a source	0.00	Bottom layer a possible source	0.14	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.64
						pH > 6.5	1.00
Jobsis----------	25	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.61	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.88
Rock outcrop----------	15	Not rated		Not rated		Not rated	
Jobsis, 8 to 30 percent slopes----------	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.61	Slope > 15%	0.00
						Depth to bedrock 20 to 40"	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.88
Windyridge----------	4	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Rock fragment content	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.12	Depth to bedrock < 20"	0.00
						Slope > 15%	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.95

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
9461:							
Klauspeak	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Rock fragment content	0.00
						Hard to reclaim	0.00
						Sand fractions 75-85%	0.04
Shalgran	2	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer not a source	0.00	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
Buggin	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.06	Rock fragment content	0.00
						Depth to bedrock < 20"	0.00
						Sand fractions 75-85%	0.04
Typic Cryorthents	1	Poor source		Fair source		Poor source	
		Bottom layer not a source	0.00	Thickest layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Bottom layer a possible source	0.46	Rock fragment content	0.00
						Depth to bedrock 20 to 40"	0.00
						Sand fractions 75-85%	0.06
						pH between 4.5 and 6.5	0.88
Waterpeak	1	Poor source		Poor source		Poor source	
		Bottom layer not a source	0.00	Bottom layer not a source	0.00	Slope > 15%	0.00
		Thickest layer not a source due to fines or thin layer	0.00	Thickest layer not a source	0.00	Sand fractions > 85%	0.00
						Rock fragment content	0.00
						Hard to reclaim	0.32

Table 18a.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of gravel		Potential as source of sand		Potential as source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
W:							
Water	100	Not rated		Not rated		Not rated	

The interpretation for gravel evaluates the content of coarse fragments more than .2 inch in size in the bottom or thickest layer of the soil.

The interpretation for sand evaluates the amount of sand and fine gravel in the thickest or bottom layer of the soil. Organic soil layers with the Unified engineering class for peat (PT) also are evaluated.

The interpretation for topsoil evaluates the following soil properties at various depths: calcium carbonates, clay content, bulk density, sand content, soil wetness, fragments .2 inch to more than 3 inches in size, content of organic matter (OM), sodium content expressed as the sodium adsorption ratio (SAR), salinity expressed as dS/m of electrical conductivity (EC), depth to bedrock, slope, and pH.

Table 18b.--Construction Materials

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The closer the value is to 0, the greater the limitation. A value of 0.00 indicates an absolute limitation based on the soil property criteria used to develop the interpretation. Values closer to 1.00 indicate lesser limitations. Features with a value of 1.00 have absolutely no limitation and are not shown in the table. Rating classes are determined by the most limiting value. Fine-earth fractions and coarse fragments are reported on a weight basis. An explanation of the rating criteria and of the abbreviations used in describing the limitations is given at the end of the table)

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7011:					
Beaches	64	Not rated		Not rated	
Oxyaquic Xeropsamments	10	Poor source		Poor source	
		Sand fractions > 85%	0.00	Saturation < 1' depth	0.00
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.54		
		pH between 4 and 6.5 above 40"	0.84		
Watah	7	Fair source		Poor source	
		Sand fractions 75 to 85%	0.29	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.48		
Gefo, barrier beach	6	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.54		
		pH between 4 and 6.5 above 40"	0.84		
Marla	5	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
Cagwin	1	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00		
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7011:					
Cassenai gravelly loamy coarse sand	1	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Dunes	1	Not rated		Not rated	
Jorge very gravelly sandy loam	1	Fair source		Good source	
		pH between 4 and 6.5 above 40"	0.68		
Rock outcrop	1	Not rated		Not rated	
Tahoe silt loam	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
Tahoma	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.28	AASHTO GIN 5 to 8 (soil strength)	0.22
				25 to 50% fragments >3"	0.94
Toem	1	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.50
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
7021:					
Hellhole	80	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.56	Saturation < 1' depth	0.00
Bidart, wet	10	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.44	Saturation < 1' depth	0.00
Watah	5	Fair source		Poor source	
		Sand fractions 75 to 85%	0.29	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.48		
Water	5	Not rated		Not rated	

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7031:					
Pits	45	Not rated		Not rated	
Dumps	45	Not rated		Not rated	
Arents	5	Good source		Not rated	
Xerorthents	5	Good source		Not rated	
7041:					
Tahoe silt loam	55	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
Tahoe silt loam, wet	25	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
Marla	10	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
Tahoe, gravelly	5	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
Watah	5	Fair source		Poor source	
		Sand fractions 75 to 85%	0.29	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.48		
7042:					
Tahoe, gravelly	55	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
Tahoe, gravelly, wet	25	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7042:					
Marla	5	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
Riverwash	5	Not rated		Not rated	
Tahoe silt loam	5	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
Watah	5	Fair source		Poor source	
		Sand fractions 75 to 85%	0.29	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.48		
7043:					
Tahoe, drained	80	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.80	Saturation from 1 to 3'	0.22
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
Marla	5	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
Tahoe, gravelly	5	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
Tahoe silt loam, wet	5	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
Watah	5	Fair source		Poor source	
		Sand fractions 75 to 85%	0.29	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.48		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7051:					
Oxyaquic Xerorthents	60	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		K factor < .10	0.99		
Water	38	Not rated		Not rated	
Marla	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
Watah	1	Fair source		Poor source	
		Sand fractions 75 to 85%	0.29	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.48		
7061:					
Urban land	100	Not rated		Not rated	
7071:					
Watah	75	Fair source		Poor source	
		Sand fractions 75 to 85%	0.29	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.48		
Tahoe, gravelly, wet	9	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
Tahoe silt loam, wet	8	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
Marla	3	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7071:					
Bidart, wet	2	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.44	Saturation < 1' depth	0.00
Water	2	Not rated		Not rated	
Hellhole	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.56	Saturation < 1' depth	0.00
7101:					
Caverock	80	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.27	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.88	Slopes > 25%	0.00
Cagwin	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Cassenai gravelly loamy coarse sand	5	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.08
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Deerhill	3	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.80	Slopes 15 to 25%	0.50
Genoapeak	2	Poor source		Poor source	
		Fragments 3-10" > 50%	0.00	Fragments >3" > 50%	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.50
		OM < .5%	0.00		
Southcamp	2	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00	Fragments >3" > 50%	0.00
		25 to 50% fragments 3-10"	0.08	LEP 3 to 9	0.78

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7101:					
Zephyrcove	2	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		OM < .5%	0.00	Slopes > 25%	0.00
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
7111:					
Deerhill	80	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.80	Slopes 15 to 25%	0.50
Cassenai gravelly loamy coarse sand	5	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.08
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Cagwin	3	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.08
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Shakespeare	3	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Slopes 15 to 25%	0.50
				LEP 3 to 9	0.85
Southcamp	3	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Fragments >3" > 50%	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.50
		25 to 50% fragments 3-10"	0.08	LEP 3 to 9	0.78
Zephyrcove	3	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		OM < .5%	0.00	Slopes 15 to 25%	0.50
Genoapeak	2	Poor source		Poor source	
		Fragments 3-10" > 50%	0.00	Fragments >3" > 50%	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.50
		OM < .5%	0.00		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7111:					
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
7112:					
Deerhill	80	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Slopes > 25%	0.00
Cassenai gravelly loamy coarse sand	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Cagwin	3	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Shakespeare	3	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.60	Slopes > 25%	0.00
				LEP 3 to 9	0.85
Southcamp	3	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00	Fragments >3" > 50%	0.00
		25 to 50% fragments 3-10"	0.08	LEP 3 to 9	0.78
Zephyrcove	3	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		OM < .5%	0.00	Slopes > 25%	0.00
Genoapeak	2	Poor source		Poor source	
		Fragments 3-10" > 50%	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00	Fragments >3" > 50%	0.00
		OM < .5%	0.00		
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7121:					
Ellispeak	45	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.80		
Rock outcrop, volcanic	40	Not rated		Not rated	
Waca	10	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes 15 to 25%	0.50
Kneeridge, well drained	2	Good source		Good source	
Paige	2	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.76	Slopes 15 to 25%	0.18
Tahoe, gravelly	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
7122:					
Ellispeak	45	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.80		
Rock outcrop, volcanic	40	Not rated		Not rated	
Waca	10	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes > 25%	0.00
Kneeridge, well drained	3	Good source		Good source	
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
Paige	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.76	Slopes > 25%	0.00

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7123:					
Ellispeak	45	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.80		
Rock outcrop, volcanic	40	Not rated		Not rated	
Waca	10	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes > 25%	0.00
Kneeridge, well drained	3	Good source		Good source	
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
Paige	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.76	Slopes > 25%	0.00
7131:					
Ellispeak	45	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.80		
Waca	40	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes 15 to 25%	0.50
Rock outcrop	10	Not rated		Not rated	
Windy	4	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.26	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.84	Depth to bedrock 40 to 60"	0.50
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7132:					
Ellispeak	45	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.80		
Waca	40	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes > 25%	0.00
Rock outcrop	10	Not rated		Not rated	
Windy	4	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.26	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.84	Depth to bedrock 40 to 60"	0.50
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
7133:					
Ellispeak	45	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.80		
Waca	40	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes > 25%	0.00
Rock outcrop	10	Not rated		Not rated	
Windy	4	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.26	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.84	Depth to bedrock 40 to 60"	0.50
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
7141:					
Inville	80	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.10	25 to 50% fragments >3"	0.93
		pH between 4 and 6.5 above 40"	0.80		
		25 to 50% fragments 3-10"	0.88		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7141:					
Christopher loamy coarse sand-----	10	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.60		
Cassenai gravelly loamy coarse sand-----	4	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Jorge very gravelly sandy loam----	3	Fair source		Good source	
		pH between 4 and 6.5 above 40"	0.68		
Kingsbeach-----	2	Fair source		Poor source	
		OM .5 to 1%	0.50	AASHTO GIN > 8 (low soil strength)	0.00
		pH between 4 and 6.5 above 40"	0.64	LEP 3 to 9	0.45
Aquic Xerorthents-----	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
7142:					
Inville-----	80	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.10	25 to 50% fragments >3"	0.93
		pH between 4 and 6.5 above 40"	0.80		
		25 to 50% fragments 3-10"	0.88		
Cassenai gravelly loamy coarse sand-----	10	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7142:					
Christopher gravelly loamy coarse sand	4	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.50
		WEG = 1 or 2	0.00		
		AWC 3 - 6" to 60" depth	0.31		
		pH between 4 and 6.5 above 40"	0.60		
Jorge very gravelly sandy loam	3	Fair source		Good source	
		pH between 4 and 6.5 above 40"	0.68		
Meeks, extremely bouldery	2	Poor source		Good source	
		WEG = 1 or 2	0.00		
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
7143:					
Inville	80	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.10	Slopes 15 to 25%	0.08
		pH between 4 and 6.5 above 40"	0.80	25 to 50% fragments >3"	0.93
		25 to 50% fragments 3-10"	0.88		
Cassenai gravelly loamy coarse sand	10	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.08
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Christopher gravelly loamy coarse sand	4	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.50
		WEG = 1 or 2	0.00		
		AWC 3 - 6" to 60" depth	0.31		
		pH between 4 and 6.5 above 40"	0.60		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7143:					
Jorge very gravelly sandy loam----	3	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.68	Slopes 15 to 25%	0.08
Meeks, extremely bouldery---------	2	Poor source		Fair source	
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.08
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Aquic Xerorthents-----------------	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
7151:					
Jorge very cobbly fine sandy loam	80	Poor source		Fair source	
		Fragments >10" > 15%	0.00	25 to 50% fragments >3"	0.13
		25 to 50% fragments 3-10"	0.08		
		pH between 4 and 6.5 above 40"	0.72		
		AWC 3 - 6" to 60" depth	0.99		
Tahoma----------------------------	5	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.28	AASHTO GIN 5 to 8 (soil strength)	0.22
				25 to 50% fragments >3"	0.94
Waca------------------------------	5	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes 15 to 25%	0.50
Jorge very cobbly loam------------	4	Fair source		Fair source	
		OM .5 to 1%	0.18	25 to 50% fragments >3"	0.83
		pH between 4 and 6.5 above 40"	0.72		
		25 to 50% fragments 3-10"	0.85		
		AWC 3 - 6" to 60" depth	1.00		
Ellispeak-------------------------	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.80		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7151:					
Sky	2	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.40		
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
Rock outcrop	1	Not rated		Not rated	
7152:					
Jorge very cobbly fine sandy loam	80	Poor source		Fair source	
		Fragments >10" > 15%	0.00	Slopes 15 to 25%	0.08
		25 to 50% fragments 3-10"	0.08	25 to 50% fragments >3"	0.13
		pH between 4 and 6.5 above 40"	0.72		
		AWC 3 - 6" to 60" depth	0.99		
Tahoma	5	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.28	Slopes 15 to 25%	0.08
				AASHTO GIN 5 to 8 (soil strength)	0.22
				25 to 50% fragments >3"	0.94
Waca	5	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes 15 to 25%	0.50
Jorge very cobbly loam	4	Fair source		Poor source	
		OM .5 to 1%	0.18	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.72	25 to 50% fragments >3"	0.83
		25 to 50% fragments 3-10"	0.85		
		AWC 3 - 6" to 60" depth	1.00		
Ellispeak	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.80		
Sky	2	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.40		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7152:					
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
Rock outcrop	1	Not rated		Not rated	
7153:					
Jorge very cobbly fine sandy loam	80	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		25 to 50% fragments 3-10"	0.08	25 to 50% fragments >3"	0.13
		pH between 4 and 6.5 above 40"	0.72		
		AWC 3 - 6" to 60" depth	0.99		
Tahoma	5	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.28	Slopes > 25%	0.00
				AASHTO GIN 5 to 8 (soil strength)	0.22
				25 to 50% fragments >3"	0.94
Waca	5	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes > 25%	0.00
Jorge very cobbly loam	4	Fair source		Poor source	
		OM .5 to 1%	0.18	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.72	25 to 50% fragments >3"	0.83
		25 to 50% fragments 3-10"	0.85		
		AWC 3 - 6" to 60" depth	1.00		
Ellispeak	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.80		
Sky	2	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.40		
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
Rock outcrop	1	Not rated		Not rated	

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7154:					
Jorge very cobbly loam	75	Fair source		Fair source	
		OM .5 to 1%	0.18	25 to 50% fragments >3"	0.83
		pH between 4 and 6.5 above 40"	0.72		
		25 to 50% fragments 3-10"	0.85		
		AWC 3 - 6" to 60" depth	1.00		
Rubble land	10	Not rated		Not rated	
Tahoma	5	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.28	AASHTO GIN 5 to 8 (soil strength)	0.22
				25 to 50% fragments >3"	0.94
Ellispeak	3	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.80		
Rock outcrop	3	Not rated		Not rated	
Waca	3	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes 15 to 25%	0.50
Tahoe, gravelly	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
7155:					
Jorge very cobbly loam	75	Fair source		Poor source	
		OM .5 to 1%	0.18	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.72	25 to 50% fragments >3"	0.83
		25 to 50% fragments 3-10"	0.85		
		AWC 3 - 6" to 60" depth	1.00		
Rubble land	10	Not rated		Not rated	
Tahoma	5	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.28	Slopes 15 to 25%	0.08
				AASHTO GIN 5 to 8 (soil strength)	0.22
				25 to 50% fragments >3"	0.94

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7155:					
Ellispeak	3	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.80		
Rock outcrop	3	Not rated		Not rated	
Waca	3	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes 15 to 25%	0.50
Tahoe, gravelly	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
7156:					
Jorge very gravelly sandy loam	45	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.68	Slopes 15 to 25%	0.08
Tahoma	35	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.28	Slopes 15 to 25%	0.08
				AASHTO GIN 5 to 8 (soil strength)	0.22
				25 to 50% fragments >3"	0.94
Waca	10	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes 15 to 25%	0.50
Inville	5	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.10	Slopes 15 to 25%	0.08
		pH between 4 and 6.5 above 40"	0.80	25 to 50% fragments >3"	0.93
		25 to 50% fragments 3-10"	0.88		
Rubble land	2	Not rated		Not rated	
Ellispeak	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.80		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7156:					
Rock outcrop	1	Not rated		Not rated	
Tahoe, gravelly	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
7157:					
Jorge very gravelly sandy loam	55	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.68	Slopes > 25%	0.00
Tahoma	25	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.28	Slopes > 25%	0.00
				AASHTO GIN 5 to 8 (soil strength)	0.22
				25 to 50% fragments >3"	0.94
Waca	10	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes > 25%	0.00
Inville	5	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.10	Slopes 15 to 25%	0.08
		pH between 4 and 6.5 above 40"	0.80	25 to 50% fragments >3"	0.93
		25 to 50% fragments 3-10"	0.88		
Rubble land	2	Not rated		Not rated	
Ellispeak	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.80		
Rock outcrop	1	Not rated		Not rated	
Tahoe, gravelly	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
7161:					
Kingsbeach	80	Fair source		Poor source	
		OM .5 to 1%	0.50	AASHTO GIN > 8 (low soil strength)	0.00
		pH between 4 and 6.5 above 40"	0.64	LEP 3 to 9	0.45

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7161:					
Tahoma	10	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.28	AASHTO GIN 5 to 8 (soil strength)	0.22
				25 to 50% fragments >3"	0.94
Jorge very gravelly sandy loam	8	Fair source		Good source	
		pH between 4 and 6.5 above 40"	0.68		
Beaches	1	Not rated		Not rated	
Dunes	1	Not rated		Not rated	
7171:					
Kneeridge, extremely stony	80	Good source		Good source	
Jorge very gravelly sandy loam	9	Fair source		Good source	
		pH between 4 and 6.5 above 40"	0.68		
Paige	5	Fair source		Good source	
		pH between 4 and 6.5 above 40"	0.76		
Waca	5	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes 15 to 25%	0.50
Tahoe, gravelly	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
7172:					
Kneeridge, well drained	80	Good source		Good source	
Jorge very gravelly sandy loam	9	Fair source		Good source	
		pH between 4 and 6.5 above 40"	0.68		
Paige	5	Fair source		Good source	
		pH between 4 and 6.5 above 40"	0.76		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7172:					
Waca	5	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes 15 to 25%	0.50
Tahoe, gravelly	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
7173:					
Kneeridge, very stony	80	Good source		Good source	
Jorge very gravelly sandy loam	9	Fair source		Good source	
		pH between 4 and 6.5 above 40"	0.68		
Paige	5	Fair source		Good source	
		pH between 4 and 6.5 above 40"	0.76		
Waca	5	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes 15 to 25%	0.50
Tahoe, gravelly	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
7174:					
Kneeridge, very stony	80	Good source		Good source	
Jorge very gravelly sandy loam	9	Fair source		Good source	
		pH between 4 and 6.5 above 40"	0.68		
Paige	5	Fair source		Good source	
		pH between 4 and 6.5 above 40"	0.76		
Waca	5	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes 15 to 25%	0.50

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7174:					
Tahoe, gravelly	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
7181:					
Paige	80	Fair source		Good source	
		pH between 4 and 6.5 above 40"	0.76		
Kneeridge, well drained	7	Good source		Good source	
Jorge very gravelly sandy loam	6	Fair source		Good source	
		pH between 4 and 6.5 above 40"	0.68		
Tahoe, gravelly	5	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
Waca	2	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes 15 to 25%	0.50
7182:					
Paige	80	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.76	Slopes 15 to 25%	0.18
Jorge very gravelly sandy loam	5	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.68	Slopes 15 to 25%	0.08
Tahoma	5	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.28	Slopes 15 to 25%	0.08
				AASHTO GIN 5 to 8 (soil strength)	0.22
				25 to 50% fragments >3"	0.94
Waca	5	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes 15 to 25%	0.50
Kneeridge, well drained	4	Good source		Good source	

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7182:					
Tahoe, gravelly	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
7183:					
Paige	84	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.76	Slopes > 25%	0.00
Jorge very gravelly sandy loam	5	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.68	Slopes > 25%	0.00
Tahoma	5	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.28	Slopes > 25%	0.00
				AASHTO GIN 5 to 8 (soil strength)	0.22
				25 to 50% fragments >3"	0.94
Waca	5	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes > 25%	0.00
Tahoe, gravelly	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
7191:					
Rock outcrop, volcanic	90	Not rated		Not rated	
Glenalpine	2	Fair source		Poor source	
		25 to 50% fragments 3-10"	0.01	Slopes > 25%	0.00
		AWC 3 - 6" to 60" depth	0.06	25 to 50% fragments >3"	0.00
		pH between 4 and 6.5 above 40"	0.76		
Lithnip	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM .5 to 1%	0.50	Slopes > 25%	0.00
Meiss	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.44	Slopes > 25%	0.00

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7191:					
Melody	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments 3-10" > 50%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56	25 to 50% fragments >3"	0.82
Rubble land	2	Not rated		Not rated	
7201:					
Rubble land, talus	45	Not rated		Not rated	
Glenalpine	40	Fair source		Poor source	
		25 to 50% fragments 3-10"	0.01	Slopes > 25%	0.00
		AWC 3 - 6" to 60" depth	0.06	25 to 50% fragments >3"	0.00
		pH between 4 and 6.5 above 40"	0.76		
Rock outcrop	10	Not rated		Not rated	
Rockbound very stony loam	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		25 to 50% fragments 3-10"	0.17	25 to 50% fragments >3"	0.99
		pH between 4 and 6.5 above 40"	0.52		
		5-15% fragments >10"	0.92		
7211:					
Southcamp	80	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00	Fragments >3" > 50%	0.00
		25 to 50% fragments 3-10"	0.08	LEP 3 to 9	0.78
Cassenai gravelly loamy coarse sand	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Genoapeak	5	Poor source		Poor source	
		Fragments 3-10" > 50%	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00	Fragments >3" > 50%	0.00
		OM < .5%	0.00		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7211:					
Zephyrcove	5	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		OM < .5%	0.00	Slopes > 25%	0.00
Cagwin	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Deerhill	2	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Slopes > 25%	0.00
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
7221:					
Tahoma	80	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.28	AASHTO GIN 5 to 8 (soil strength)	0.22
				25 to 50% fragments >3"	0.94
Waca	10	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes 15 to 25%	0.50
Inville	4	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.10	25 to 50% fragments >3"	0.93
		pH between 4 and 6.5 above 40"	0.80		
		25 to 50% fragments 3-10"	0.88		
Rubble land	3	Not rated		Not rated	
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
Ellispeak	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.80		
Rock outcrop	1	Not rated		Not rated	

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7222:					
Tahoma	50	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.28	AASHTO GIN 5 to 8 (soil strength)	0.22
				25 to 50% fragments >3"	0.94
Jorge very gravelly sandy loam	30	Fair source		Good source	
		pH between 4 and 6.5 above 40"	0.68		
Waca	10	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes 15 to 25%	0.50
Inville	5	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.10	25 to 50% fragments >3"	0.93
		pH between 4 and 6.5 above 40"	0.80		
		25 to 50% fragments 3-10"	0.88		
Rubble land	2	Not rated		Not rated	
Ellispeak	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.80		
Rock outcrop	1	Not rated		Not rated	
Tahoe, gravelly	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
7231:					
Waca	80	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes 15 to 25%	0.50
Ellispeak	5	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.80		
Rock outcrop	5	Not rated		Not rated	

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7231:					
Windy	5	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.26	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.84	Depth to bedrock 40 to 60"	0.50
Kneeridge, well drained	2	Good source		Good source	
Paige	2	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.76	Slopes 15 to 25%	0.18
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
7232:					
Waca	80	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes > 25%	0.00
Ellispeak	5	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.80		
Rock outcrop	5	Not rated		Not rated	
Windy	4	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.26	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.84	Depth to bedrock 40 to 60"	0.50
Kneeridge, well drained	2	Good source		Good source	
Paige	2	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.76	Slopes > 25%	0.00
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
Typic Epiaquents	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.60	Saturation < 1' depth	0.00

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7233:					
Waca	80	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes > 25%	0.00
Ellispeak	5	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.80		
Rock outcrop	5	Not rated		Not rated	
Windy	5	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.26	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.84	Depth to bedrock 40 to 60"	0.50
Kneeridge, well drained	2	Good source		Good source	
Paige	2	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.76	Slopes > 25%	0.00
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
7241:					
Zephyrcove	50	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		OM < .5%	0.00	Slopes 15 to 25%	0.50
Southcamp	20	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Fragments >3" > 50%	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.50
		25 to 50% fragments 3-10"	0.08	LEP 3 to 9	0.78
Genoapeak	17	Poor source		Poor source	
		Fragments 3-10" > 50%	0.00	Fragments >3" > 50%	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.50
		OM < .5%	0.00		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7241:					
Cagwin	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.08
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Cassenai gravelly loamy coarse sand	5	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.08
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Deerhill	2	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.80	Slopes 15 to 25%	0.50
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
7242:					
Zephyrcove	50	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		OM < .5%	0.00	Slopes > 25%	0.00
Southcamp	20	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00	Fragments >3" > 50%	0.00
		25 to 50% fragments 3-10"	0.08	LEP 3 to 9	0.78
Genoapeak	17	Poor source		Poor source	
		Fragments 3-10" > 50%	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00	Fragments >3" > 50%	0.00
		OM < .5%	0.00		
Cagwin	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7242:					
Cassenai gravelly loamy coarse sand	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Deerhill	2	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Slopes > 25%	0.00
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
7401:					
Burnlake	60	Poor source		Fair source	
		AWC 3 - 6" to 60" depth	0.00	Slopes 15 to 25%	0.68
		5-15% fragments >10"	0.97		
Roadcat	25	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.98
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.10		
		pH between 4 and 6.5 above 40"	0.84		
		5-15% fragments >10"	0.97		
Hardtil	4	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM .5 to 1%	0.50	Slopes 15 to 25%	0.68
		pH between 4 and 6.5 above 40"	0.84		
Aquic Haplocryolls	2	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.15	Slopes 15 to 25%	0.98
		5-15% fragments >10"	0.57	No saturated zone within 3' depth	1.00
		pH between 4 and 6.5 above 40"	0.80		
Aspetill	2	Fair source		Fair source	
		5-15% fragments >10"	0.94	Slopes 15 to 25%	0.68
		25 to 50% fragments 3-10"	0.95	25 to 50% fragments >3"	0.89

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7401:					
Cumulic Cryaquolls	2	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.15	Saturation < 1' depth	0.00
		5-15% fragments >10"	0.57	Slopes 15 to 25%	0.68
		pH between 4 and 6.5 above 40"	0.80		
Stumpatil	2	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.50	Slopes 15 to 25%	0.68
		OM .5 to 1%	0.50		
		pH between 4 and 6.5 above 40"	0.60		
		5-15% fragments >10"	0.80		
Typic Haploxerepts	2	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.98
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.10		
		pH between 4 and 6.5 above 40"	0.84		
		5-15% fragments >10"	0.98		
Rock outcrop	1	Not rated		Not rated	
7411:					
Cagwin	50	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00		
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7411:					
Toem	10	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.50
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
Dagget very gravelly loamy coarse sand	5	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.18
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Temo	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00		
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		
Witefels	2	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00		
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		
Marla	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
7412:					
Cagwin	50	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.08
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Rock outcrop, granitic	20	Not rated		Not rated	

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7412:					
Cassenai gravelly loamy coarse sand	10	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.08
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Toem	10	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.50
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
Dagget very gravelly loamy coarse sand	5	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.18
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Temo	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.18
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		
Witefels	2	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.08
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		
Marla	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7413:					
Cagwin	50	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Toem	10	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
Dagget very gravelly loamy coarse sand	5	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Temo	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		
Witefels	2	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7413:					
Marla	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
7414:					
Cagwin	50	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Toem	10	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
Dagget very gravelly loamy coarse sand	5	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Temo	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7414:					
Witefels	2	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		
Marla	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
7421:					
Cassenai gravelly loamy coarse sand	78	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Cagwin	12	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00		
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Toem	4	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.50
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
Rock outcrop	3	Not rated		Not rated	
Christopher gravelly loamy coarse sand	1	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.50
		WEG = 1 or 2	0.00		
		AWC 3 - 6" to 60" depth	0.31		
		pH between 4 and 6.5 above 40"	0.60		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7421:					
Christopher loamy coarse sand-----	1	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.60		
Marla-----------------------------	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
7422:					
Cassenai gravelly loamy coarse sand-----------------------------	73	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.08
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Cagwin----------------------------	12	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.08
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Dagget very gravelly loamy coarse sand-----------------------------	5	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.18
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Toem------------------------------	4	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.50
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7422:					
Aquic Xerorthents	2	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
Christopher gravelly loamy coarse sand	2	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.50
		WEG = 1 or 2	0.00		
		AWC 3 - 6" to 60" depth	0.31		
		pH between 4 and 6.5 above 40"	0.60		
Rock outcrop	2	Not rated		Not rated	
7423:					
Cassenai gravelly loamy coarse sand	78	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Cagwin	12	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Toem	4	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
Rock outcrop	3	Not rated		Not rated	
Christopher gravelly loamy coarse sand	2	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.50
		WEG = 1 or 2	0.00		
		AWC 3 - 6" to 60" depth	0.31		
		pH between 4 and 6.5 above 40"	0.60		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7423:					
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
7424:					
Cassenai gravelly loamy coarse sand	78	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Cagwin	12	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Toem	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
Rock outcrop	4	Not rated		Not rated	
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
7425:					
Cassenai, moist	80	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.78		
		pH between 4 and 6.5 above 40"	0.96		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7425:					
Cagwin	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00		
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Meeks, extremely bouldery	5	Poor source		Good source	
		WEG = 1 or 2	0.00		
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Tallac, very stony	5	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.02	Depth to pan 40-60"	0.07
		pH between 4 and 6.5 above 40"	0.52		
Rock outcrop	2	Not rated		Not rated	
Toem	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.50
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
Marla	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
7426:					
Cassenai, moist	80	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.08
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.78		
		pH between 4 and 6.5 above 40"	0.96		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7426:					
Cagwin	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.08
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Tallac, very stony	5	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.02	Depth to pan 40-60"	0.07
		pH between 4 and 6.5 above 40"	0.52	Slopes 15 to 25%	0.08
Meeks, extremely bouldery	4	Poor source		Fair source	
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.08
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Rock outcrop	2	Not rated		Not rated	
Toem	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.50
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
Marla	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7427:					
Cassenai, moist	80	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.78		
		pH between 4 and 6.5 above 40"	0.96		
Cagwin	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Meeks, extremely bouldery	5	Poor source		Poor source	
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Toem	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
Rock outcrop	2	Not rated		Not rated	
Tallac, very stony	2	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.02	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.52	Depth to pan 40-60"	0.07
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7428:					
Cassenai, moist	80	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.78		
		pH between 4 and 6.5 above 40"	0.96		
Cagwin	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Meeks, extremely bouldery	5	Poor source		Poor source	
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Toem	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
Rock outcrop	2	Not rated		Not rated	
Tallac, very stony	2	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.02	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.52	Depth to pan 40-60"	0.07
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7431:					
Celio	80	Poor source		Fair source	
		Sand fractions > 85%	0.00	Depth to pan 40-60"	0.16
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.29
		AWC < 3" to 60" depth	0.00		
		OM .5 to 1%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Meeks, stony	7	Poor source		Good source	
		WEG = 1 or 2	0.00	Fragments >3" < 25%	1.00
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.97		
Tahoe, gravelly	5	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
Marla	4	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
Watah	4	Fair source		Poor source	
		Sand fractions 75 to 85%	0.29	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.48		
7441:					
Christopher loamy coarse sand	80	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.60		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7441:					
Gefo gravelly loamy coarse sand---	10	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.54		
		pH between 4 and 6.5 above 40"	0.84		
Jabu----------	5	Poor source		Good source	
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
Oneidas----------	3	Poor source		Poor source	
		OM < .5%	0.00	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.64		
Marla----------	2	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
7442:					
Christopher loamy coarse sand-----	80	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.50
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.60		
Gefo gravelly loamy coarse sand---	10	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.54		
		pH between 4 and 6.5 above 40"	0.84		
Jabu----------	5	Poor source		Good source	
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7442:					
Oneidas	3	Poor source		Poor source	
		OM < .5%	0.00	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.64		
Marla	2	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
7443:					
Christopher gravelly loamy coarse sand	80	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.50
		WEG = 1 or 2	0.00		
		AWC 3 - 6" to 60" depth	0.31		
		pH between 4 and 6.5 above 40"	0.60		
Gefo gravelly loamy coarse sand	10	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.54		
		pH between 4 and 6.5 above 40"	0.84		
Jabu	5	Poor source		Good source	
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
Oneidas	3	Poor source		Poor source	
		OM < .5%	0.00	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.64		
Marla	2	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7444:					
Christopher loamy coarse sand-----	45	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.60		
Gefo gravelly loamy coarse sand---	35	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.54		
		pH between 4 and 6.5 above 40"	0.84		
Jabu-----------	5	Poor source		Good source	
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
Marla-----------	5	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
Oneidas-----------	5	Poor source		Poor source	
		OM < .5%	0.00	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.64		
Ubaj-----------	5	Fair source		Poor source	
		OM .5 to 1%	0.50	AASHTO GIN > 8 (low soil strength)	0.00
		pH between 4 and 6.5 above 40"	0.60	LEP 3 to 9	0.58
7451:					
Gefo gravelly loamy coarse sand---	80	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.54		
		pH between 4 and 6.5 above 40"	0.84		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7451:					
Christopher loamy coarse sand-----	10	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.60		
Jabu------------------------------	5	Poor source		Good source	
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
Oneidas---------------------------	3	Poor source		Poor source	
		OM < .5%	0.00	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.64		
Marla-----------------------------	2	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
7452:					
Gefo gravelly loamy coarse sand---	80	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.54		
		pH between 4 and 6.5 above 40"	0.84		
Christopher loamy coarse sand-----	10	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.50
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.60		
Jabu------------------------------	5	Poor source		Good source	
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
Oneidas---------------------------	3	Poor source		Poor source	
		OM < .5%	0.00	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.64		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7452:					
Marla	2	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
7461:					
Jabu	80	Poor source		Good source	
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
Christopher loamy coarse sand	10	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.60		
Oneidas	5	Poor source		Poor source	
		OM < .5%	0.00	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.64		
Gefo gravelly loamy coarse sand	3	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.54		
		pH between 4 and 6.5 above 40"	0.84		
Marla	2	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
7462:					
Jabu	80	Poor source		Good source	
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7462:					
Christopher loamy coarse sand-----	10	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.50
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.60		
Oneidas-----------------------------	5	Poor source		Poor source	
		OM < .5%	0.00	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.64		
Gefo gravelly loamy coarse sand---	3	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.54		
		pH between 4 and 6.5 above 40"	0.84		
Marla------------------------------	2	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
7471:					
Marla------------------------------	80	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
Christopher loamy coarse sand-----	4	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.60		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7471:					
Gefo gravelly loamy coarse sand---	4	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.54		
		pH between 4 and 6.5 above 40"	0.84		
Tahoe silt loam----------	4	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
Ubaj----------	4	Fair source		Poor source	
		OM .5 to 1%	0.50	AASHTO GIN > 8 (low soil strength)	0.00
		pH between 4 and 6.5 above 40"	0.60	LEP 3 to 9	0.58
Watah----------	4	Fair source		Poor source	
		Sand fractions 75 to 85%	0.29	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.48		
7481:					
Meeks, stony----------	85	Poor source		Good source	
		WEG = 1 or 2	0.00	Fragments >3" < 25%	1.00
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.97		
Cassenai gravelly loamy coarse sand----------	5	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Celio----------	5	Poor source		Fair source	
		Sand fractions > 85%	0.00	Depth to pan 40-60"	0.16
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.29
		AWC < 3" to 60" depth	0.00		
		OM .5 to 1%	0.68		
		pH between 4 and 6.5 above 40"	0.80		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7481:					
Gefo gravelly loamy coarse sand---	4	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.54		
		pH between 4 and 6.5 above 40"	0.84		
Tahoe, gravelly----------	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
7482:					
Meeks, stony----------	80	Poor source		Good source	
		WEG = 1 or 2	0.00	Fragments >3" < 25%	1.00
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.97		
Cassenai gravelly loamy coarse sand----------	10	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Oneidas----------	7	Poor source		Poor source	
		OM < .5%	0.00	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.64		
Celio----------	3	Poor source		Fair source	
		Sand fractions > 85%	0.00	Depth to pan 40-60"	0.16
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.29
		AWC < 3" to 60" depth	0.00		
		OM .5 to 1%	0.68		
		pH between 4 and 6.5 above 40"	0.80		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7483:					
Meeks, very stony	85	Poor source		Good source	
		WEG = 1 or 2	0.00		
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Cassenai gravelly loamy coarse sand	5	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Celio	5	Poor source		Fair source	
		Sand fractions > 85%	0.00	Depth to pan 40-60"	0.16
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.29
		AWC < 3" to 60" depth	0.00		
		OM .5 to 1%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Jabu	5	Poor source		Good source	
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
7484:					
Meeks, extremely bouldery	80	Poor source		Good source	
		WEG = 1 or 2	0.00		
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Burnlake	5	Poor source		Fair source	
		AWC 3 - 6" to 60" depth	0.00	Slopes 15 to 25%	0.68
		5-15% fragments >10"	0.97		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7484:					
Meeks, rubbly	5	Poor source		Good source	
		WEG = 1 or 2	0.00		
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Dagget, moist	3	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock 40 to 60"	0.50
		Fragments >10" > 15%	0.00		
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Tallac, very stony	3	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.02	Depth to pan 40-60"	0.07
		pH between 4 and 6.5 above 40"	0.52		
Roadcat	2	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.98
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.10		
		pH between 4 and 6.5 above 40"	0.84		
		5-15% fragments >10"	0.97		
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
Jabu	1	Poor source		Good source	
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
7485:					
Meeks, extremely bouldery	80	Poor source		Fair source	
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.08
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7485:					
Burnlake	5	Poor source		Fair source	
		AWC 3 - 6" to 60" depth	0.00	Slopes 15 to 25%	0.68
		5-15% fragments >10"	0.97		
Meeks, rubbly	5	Poor source		Fair source	
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.08
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Dagget, moist	3	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.08
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Tallac, very stony	3	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.02	Depth to pan 40-60"	0.07
		pH between 4 and 6.5 above 40"	0.52	Slopes 15 to 25%	0.08
Roadcat	2	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.98
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.10		
		pH between 4 and 6.5 above 40"	0.84		
		5-15% fragments >10"	0.97		
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
Jabu	1	Poor source		Good source	
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7486:					
Meeks, extremely bouldery---------	80	Poor source		Poor source	
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Burnlake---------------------------	5	Poor source		Fair source	
		AWC 3 - 6" to 60" depth	0.00	Slopes 15 to 25%	0.68
		5-15% fragments >10"	0.97		
Meeks, rubbly----------------------	5	Poor source		Poor source	
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Dagget, moist----------------------	3	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Tallac, very stony-----------------	3	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.02	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.52	Depth to pan 40-60"	0.07
Roadcat----------------------------	2	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.98
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.10		
		pH between 4 and 6.5 above 40"	0.84		
		5-15% fragments >10"	0.97		
Aquic Xerorthents------------------	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
Jabu-------------------------------	1	Poor source		Good source	
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7487:					
Meeks, rubbly	80	Poor source		Good source	
		WEG = 1 or 2	0.00		
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Burnlake	5	Poor source		Fair source	
		AWC 3 - 6" to 60" depth	0.00	Slopes 15 to 25%	0.68
		5-15% fragments >10"	0.97		
Rockbound very gravelly loam	5	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Sand fractions 75 to 85%	0.08		
		pH between 4 and 6.5 above 40"	0.80		
Roadcat	3	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.98
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.10		
		pH between 4 and 6.5 above 40"	0.84		
		5-15% fragments >10"	0.97		
Cagwin	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00		
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Cassenai gravelly loamy coarse sand	2	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7487:					
Rock outcrop	1	Not rated		Not rated	
Rubble land	1	Not rated		Not rated	
7488:					
Meeks, rubbly	80	Poor source		Fair source	
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.08
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Burnlake	5	Poor source		Fair source	
		AWC 3 - 6" to 60" depth	0.00	Slopes 15 to 25%	0.68
		5-15% fragments >10"	0.97		
Rockbound very gravelly loam	5	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Sand fractions 75 to 85%	0.08		
		pH between 4 and 6.5 above 40"	0.80		
Roadcat	3	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.98
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.10		
		pH between 4 and 6.5 above 40"	0.84		
		5-15% fragments >10"	0.97		
Cagwin	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.08
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Cassenai gravelly loamy coarse sand	2	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.08
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7488:					
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
Rock outcrop	1	Not rated		Not rated	
Rubble land	1	Not rated		Not rated	
7489:					
Meeks, rubbly	80	Poor source		Poor source	
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Burnlake	5	Poor source		Fair source	
		AWC 3 - 6" to 60" depth	0.00	Slopes 15 to 25%	0.68
		5-15% fragments >10"	0.97		
Rockbound very stony loam	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		25 to 50% fragments 3-10"	0.17	25 to 50% fragments >3"	0.99
		pH between 4 and 6.5 above 40"	0.52		
		5-15% fragments >10"	0.92		
Roadcat	3	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.98
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.10		
		pH between 4 and 6.5 above 40"	0.84		
		5-15% fragments >10"	0.97		
Cassenai gravelly loamy coarse sand	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7489:					
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
Cagwin	1	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Rock outcrop	1	Not rated		Not rated	
Rubble land	1	Not rated		Not rated	
Toem	1	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
7491:					
Oneidas	80	Poor source		Poor source	
		OM < .5%	0.00	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.64		
Jabu	10	Poor source		Good source	
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
Christopher loamy coarse sand	3	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.60		
Meeks, stony	3	Poor source		Good source	
		WEG = 1 or 2	0.00	Fragments >3" < 25%	1.00
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.97		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7491:					
Gefo gravelly loamy coarse sand---	2	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.54		
		pH between 4 and 6.5 above 40"	0.84		
Marla----------	2	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
7492:					
Oneidas----------	80	Poor source		Poor source	
		OM < .5%	0.00	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.64		
Jabu----------	10	Poor source		Good source	
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
Christopher loamy coarse sand-----	3	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.50
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.60		
Meeks, stony----------	3	Poor source		Good source	
		WEG = 1 or 2	0.00	Fragments >3" < 25%	1.00
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.97		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7492:					
Gefo gravelly loamy coarse sand---	2	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.54		
		pH between 4 and 6.5 above 40"	0.84		
Marla----------	2	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
7500:					
Rock outcrop, granitic----------	90	Not rated		Not rated	
Rockbound very stony loam---------	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		25 to 50% fragments 3-10"	0.17	25 to 50% fragments >3"	0.99
		pH between 4 and 6.5 above 40"	0.52		
		5-15% fragments >10"	0.92		
Rubble land----------	2	Not rated		Not rated	
Toem----------	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
Windyridge----------	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM < .5%	0.00	Slopes 15 to 25%	0.12
		Sand fractions 75 to 85%	0.15		
		pH between 4 and 6.5 above 40"	0.48		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7500:					
Freelpeak	1	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		5-15% fragments >10"	0.21		
		OM .5 to 1%	0.50		
		pH between 4 and 6.5 above 40"	0.64		
Jobsis	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Sand fractions 75 to 85%	0.15	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.40		
		Fragments >10" < 5%	1.00		
7501:					
Rock outcrop, granitic	50	Not rated		Not rated	
Rockbound very gravelly loam	30	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Sand fractions 75 to 85%	0.08		
		pH between 4 and 6.5 above 40"	0.80		
Dagget, moist	5	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock 40 to 60"	0.50
		Fragments >10" > 15%	0.00		
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Meeks, rubbly	5	Poor source		Good source	
		WEG = 1 or 2	0.00		
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Temo	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00		
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7501:					
Witefels	5	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00		
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		
7502:					
Rock outcrop, granitic	50	Not rated		Not rated	
Rockbound very stony loam	25	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		25 to 50% fragments 3-10"	0.17	25 to 50% fragments >3"	0.99
		pH between 4 and 6.5 above 40"	0.52		
		5-15% fragments >10"	0.92		
Dagget, moist	5	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.08
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Glenalpine	5	Fair source		Poor source	
		25 to 50% fragments 3-10"	0.01	Slopes > 25%	0.00
		AWC 3 - 6" to 60" depth	0.06	25 to 50% fragments >3"	0.00
		pH between 4 and 6.5 above 40"	0.76		
Rubble land	5	Not rated		Not rated	
Temo	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		
Witefels	5	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7511:					
Shalgran	70	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00		
		AWC < 3" to 60" depth	0.00		
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.72		
Rock outcrop	15	Not rated		Not rated	
Sofgran	6	Poor source		Poor source	
		OM < .5%	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.10		
		pH between 4 and 6.5 above 40"	0.40		
		Fragments >10" < 5%	1.00		
Dystric Xerorthents	3	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		OM < .5%	0.00		
		Fragments >10" > 15%	0.00		
		pH between 4 and 6.5 above 40"	0.72		
Burnlake	2	Poor source		Poor source	
		AWC 3 - 6" to 60" depth	0.00	Slopes > 25%	0.00
		5-15% fragments >10"	0.97		
Jobsis	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM < .5%	0.00	Slopes > 25%	0.00
		Sand fractions 75 to 85%	0.15		
		pH between 4 and 6.5 above 40"	0.40		
		5-15% fragments >10"	0.97		
Temo	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Sand fractions 75 to 85%	0.02	Slopes > 25%	0.00
		OM .5 to 1%	0.50		
		pH between 4 and 6.5 above 40"	0.56		
		5-15% fragments >10"	0.98		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7521:					
Tallac, very stony	75	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.02	Depth to pan 40-60"	0.07
		pH between 4 and 6.5 above 40"	0.52		
Tallac, rubbly	10	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.02	Depth to pan 40-60"	0.07
		pH between 4 and 6.5 above 40"	0.52		
Tallac, moderately well drained	9	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.02	Depth to pan 40-60"	0.07
		pH between 4 and 6.5 above 40"	0.52		
Meeks, extremely bouldery	5	Poor source		Good source	
		WEG = 1 or 2	0.00		
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
7522:					
Tallac, very stony	85	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.02	Depth to pan 40-60"	0.07
		pH between 4 and 6.5 above 40"	0.52	Slopes 15 to 25%	0.08
Meeks, extremely bouldery	10	Poor source		Fair source	
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.08
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7522:					
Cagwin	1	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.08
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Cassenai gravelly loamy coarse sand	1	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.08
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Dagget, moist	1	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.08
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Rockbound very gravelly loam	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Sand fractions 75 to 85%	0.08		
		pH between 4 and 6.5 above 40"	0.80		
7523:					
Tallac, very stony	85	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.02	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.52	Depth to pan 40-60"	0.07
Meeks, extremely bouldery	10	Poor source		Poor source	
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7523:					
Cagwin	1	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Cassenai gravelly loamy coarse sand	1	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Dagget, moist	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Rockbound very stony loam	1	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		25 to 50% fragments 3-10"	0.17	25 to 50% fragments >3"	0.99
		pH between 4 and 6.5 above 40"	0.52		
		5-15% fragments >10"	0.92		
7524:					
Tallac, moderately well drained	80	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.02	Depth to pan 40-60"	0.07
		pH between 4 and 6.5 above 40"	0.52		
Tallac, moderately well drained, 5 to 9 percent slopes	10	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.02	Depth to pan 40-60"	0.07
		pH between 4 and 6.5 above 40"	0.52		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7524:					
Meeks, very stony	5	Poor source		Good source	
		WEG = 1 or 2	0.00		
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Callat	4	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.50
		OM < .5%	0.00		
		5-15% fragments >10"	0.17		
		pH between 4 and 6.5 above 40"	0.56		
Tahoe, gravelly	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
7525:					
Tallac, moderately well drained	80	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.02	Depth to pan 40-60"	0.07
		pH between 4 and 6.5 above 40"	0.52		
Tallac, moderately well drained, 0 to 5 percent slopes	10	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.02	Depth to pan 40-60"	0.07
		pH between 4 and 6.5 above 40"	0.52		
Meeks, extremely bouldery	5	Poor source		Good source	
		WEG = 1 or 2	0.00		
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Callat	4	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.50
		OM < .5%	0.00		
		5-15% fragments >10"	0.17		
		pH between 4 and 6.5 above 40"	0.56		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7525:					
Tahoe, gravelly	1	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
7526:					
Tallac, rubbly	85	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.02	Depth to pan 40-60"	0.07
		pH between 4 and 6.5 above 40"	0.52		
Tallac, moderately well drained	10	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.02	Depth to pan 40-60"	0.07
		pH between 4 and 6.5 above 40"	0.52		
Tallac, very stony	4	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.02	Depth to pan 40-60"	0.07
		pH between 4 and 6.5 above 40"	0.52		
Aquic Xerorthents	1	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86
7531:					
Toem	45	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.50
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
Rock outcrop, granitic	40	Not rated		Not rated	
Cagwin	10	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.08
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Cassenai gravelly loamy coarse sand	5	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.08
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7532:					
Toem	45	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
Rock outcrop, granitic	40	Not rated		Not rated	
Cagwin	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Cassenai gravelly loamy coarse sand	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
Dagget very gravelly loamy coarse sand	5	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
7533:					
Toem	45	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
Rock outcrop, granitic	40	Not rated		Not rated	

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7533:					
Cagwin	10	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Cassenai gravelly loamy coarse sand	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		pH between 4 and 6.5 above 40"	0.80		
		AWC 3 - 6" to 60" depth	0.98		
7541:					
Ubaj	80	Fair source		Poor source	
		OM .5 to 1%	0.50	AASHTO GIN > 8 (low soil strength)	0.00
		pH between 4 and 6.5 above 40"	0.60	LEP 3 to 9	0.58
Christopher loamy coarse sand	5	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.60		
Jabu	5	Poor source		Good source	
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
Oneidas	5	Poor source		Poor source	
		OM < .5%	0.00	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.64		
Gefo gravelly loamy coarse sand	3	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.54		
		pH between 4 and 6.5 above 40"	0.84		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
7541:					
Marla	2	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
9001:					
Bidart mucky silt loam	50	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.44	Saturation < 1' depth	0.00
Bidart, wet	30	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.44	Saturation < 1' depth	0.00
Tahoe, gravelly	5	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
Tahoe silt loam	5	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
Watah	5	Fair source		Poor source	
		Sand fractions 75 to 85%	0.29	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.48		
Water	3	Not rated		Not rated	
Hellhole	2	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.56	Saturation < 1' depth	0.00
9011:					
Oxyaquic Cryorthents	30	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
Aquic Xerorthents	28	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Saturation from 1 to 3'	0.86

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9011:					
Tahoe, gravelly	15	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Saturation < 1' depth	0.00
		AWC 3 - 6" to 60" depth	0.96	AASHTO GIN 5 to 8 (soil strength)	0.78
Bidart mucky silt loam	10	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.44	Saturation < 1' depth	0.00
Watah	10	Fair source		Poor source	
		Sand fractions 75 to 85%	0.29	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.48		
Marla	5	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.22
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.64		
		Sand fractions 75 to 85%	0.84		
Riverwash	2	Not rated		Not rated	
9101:					
Callat	82	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.50
		OM < .5%	0.00		
		5-15% fragments >10"	0.17		
		pH between 4 and 6.5 above 40"	0.56		
Glenalpine	5	Fair source		Poor source	
		25 to 50% fragments 3-10"	0.01	Slopes > 25%	0.00
		AWC 3 - 6" to 60" depth	0.06	25 to 50% fragments >3"	0.00
		pH between 4 and 6.5 above 40"	0.76		
Meeks, extremely bouldery	5	Poor source		Fair source	
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.08
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9101:					
Tallac, very stony	5	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.02	Depth to pan 40-60"	0.07
		pH between 4 and 6.5 above 40"	0.52	Slopes 15 to 25%	0.08
Rock outcrop	2	Not rated		Not rated	
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
9102:					
Callat	82	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		OM < .5%	0.00		
		5-15% fragments >10"	0.17		
		pH between 4 and 6.5 above 40"	0.56		
Glenalpine	5	Fair source		Poor source	
		25 to 50% fragments 3-10"	0.01	Slopes > 25%	0.00
		AWC 3 - 6" to 60" depth	0.06	25 to 50% fragments >3"	0.00
		pH between 4 and 6.5 above 40"	0.76		
Meeks, extremely bouldery	5	Poor source		Poor source	
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.02		
		pH between 4 and 6.5 above 40"	0.64		
		25 to 50% fragments 3-10"	0.99		
Tallac, very stony	5	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.02	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.52	Depth to pan 40-60"	0.07
Rock outcrop	2	Not rated		Not rated	

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9102:					
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
9111:					
Florand	40	Poor source		Poor source	
		OM < .5%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.48	Depth to bedrock 40 to 60"	0.29
		AWC 3 - 6" to 60" depth	0.87		
Lostridge	30	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.01	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.40	Slopes > 25%	0.00
		OM .5 to 1%	0.50		
Fishsnooze	15	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		25 to 50% fragments 3-10"	0.37	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.40	25 to 50% fragments >3"	0.68
		OM .5 to 1%	0.50		
		Fragments >10" < 5%	1.00		
Aquic Haplocryolls	3	Fair source		Good source	
		AWC 3 - 6" to 60" depth	0.15	No saturated zone within 3' depth	1.00
		5-15% fragments >10"	0.57		
		pH between 4 and 6.5 above 40"	0.80		
Lithnip, moist	3	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM .5 to 1%	0.50	Slopes 15 to 25%	0.68
Stumpatil	3	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.50	Slopes 15 to 25%	0.68
		OM .5 to 1%	0.50		
		pH between 4 and 6.5 above 40"	0.60		
		5-15% fragments >10"	0.80		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9111:					
Lithnip	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM .5 to 1%	0.50	Slopes > 25%	0.00
Morscour	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		5-15% fragments >10"	0.82	Slopes 15 to 25%	0.68
Typic Cryaquolls	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Saturation < 1' depth	0.00
		Sand fractions 75 to 85%	0.10	Slopes 15 to 25%	0.98
		OM .5 to 1%	0.50		
		pH between 4 and 6.5 above 40"	0.84		
9121:					
Watsonlake	80	Fair source		Good source	
		5-15% fragments >10"	0.04		
		pH between 4 and 6.5 above 40"	0.72		
Jorge very cobbly fine sandy loam	5	Poor source		Fair source	
		Fragments >10" > 15%	0.00	25 to 50% fragments >3"	0.13
		25 to 50% fragments 3-10"	0.08		
		pH between 4 and 6.5 above 40"	0.72		
		AWC 3 - 6" to 60" depth	0.99		
Sky	5	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.40		
Tahoma	5	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.28	AASHTO GIN 5 to 8 (soil strength)	0.22
				25 to 50% fragments >3"	0.94
Waca	2	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes 15 to 25%	0.50

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9121:					
Ellispeak	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.80		
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
Rock outcrop	1	Not rated		Not rated	
9122:					
Watsonlake	80	Fair source		Fair source	
		5-15% fragments >10"	0.04	Slopes 15 to 25%	0.08
		pH between 4 and 6.5 above 40"	0.72		
Jorge very cobbly fine sandy loam	5	Poor source		Fair source	
		Fragments >10" > 15%	0.00	Slopes 15 to 25%	0.08
		25 to 50% fragments 3-10"	0.08	25 to 50% fragments >3"	0.13
		pH between 4 and 6.5 above 40"	0.72		
		AWC 3 - 6" to 60" depth	0.99		
Tahoma	5	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.28	Slopes 15 to 25%	0.08
				AASHTO GIN 5 to 8 (soil strength)	0.22
				25 to 50% fragments >3"	0.94
Waca	5	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes 15 to 25%	0.50
Sky	2	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.40		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9122:					
Ellispeak	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.80		
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
Rock outcrop	1	Not rated		Not rated	
9123:					
Watsonlake	80	Fair source		Poor source	
		5-15% fragments >10"	0.04	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.72		
Jorge very cobbly fine sandy loam	5	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		25 to 50% fragments 3-10"	0.08	25 to 50% fragments >3"	0.13
		pH between 4 and 6.5 above 40"	0.72		
		AWC 3 - 6" to 60" depth	0.99		
Tahoma	5	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.28	Slopes > 25%	0.00
				AASHTO GIN 5 to 8 (soil strength)	0.22
				25 to 50% fragments >3"	0.94
Waca	5	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.04	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.84	Slopes > 25%	0.00
Sky	2	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.40		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9123:					
Ellispeak	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.80		
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
Rock outcrop	1	Not rated		Not rated	
9131:					
Lithnip	40	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM .5 to 1%	0.50	Slopes > 25%	0.00
Meiss	30	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.44	Slopes > 25%	0.00
Hawkinspeak	15	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.02	Slopes > 25%	0.00
		Fragments >10" < 5%	1.00	Depth to bedrock < 40"	0.00
Lostridge	4	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.01	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.40	Slopes > 25%	0.00
		OM .5 to 1%	0.50		
Fishsnooze	3	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		25 to 50% fragments 3-10"	0.37	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.40	25 to 50% fragments >3"	0.68
		OM .5 to 1%	0.50		
Rock outcrop	3	Not rated		Not rated	

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9131:					
Hawkinspeak, moist	2	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.02	Slopes > 25%	0.00
		Fragments >10" < 5%	1.00	Depth to bedrock < 40"	0.00
Aspocket	1	Poor source		Fair source	
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.87
				Slopes 15 to 25%	0.92
Hawkridge	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		5-15% fragments >10"	0.91	Slopes 15 to 25%	0.68
Typic Cryaquolls	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Saturation < 1' depth	0.00
		Sand fractions 75 to 85%	0.10		
		OM .5 to 1%	0.50		
		pH between 4 and 6.5 above 40"	0.84		
9141:					
Melody	55	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments 3-10" > 50%	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.56	25 to 50% fragments >3"	0.82
Rock outcrop, volcanic	25	Not rated		Not rated	
Sky	10	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.40		
Mountrose	5	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.10	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.88	25 to 50% fragments >3"	0.81
		25 to 50% fragments 3-10"	0.91		
Wardcreek	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9141:					
Lithnip	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM .5 to 1%	0.50	Slopes > 25%	0.00
Meiss	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.44	Slopes > 25%	0.00
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
9142:					
Melody	55	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments 3-10" > 50%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56	25 to 50% fragments >3"	0.82
Rock outcrop, volcanic	25	Not rated		Not rated	
Sky	10	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.40		
Mountrose	5	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.10	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.88	25 to 50% fragments >3"	0.81
		25 to 50% fragments 3-10"	0.91		
Wardcreek	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56		
Lithnip	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM .5 to 1%	0.50	Slopes > 25%	0.00

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9142:					
Meiss	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.44	Slopes > 25%	0.00
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
9143:					
Melody	55	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments 3-10" > 50%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56	25 to 50% fragments >3"	0.82
Rock outcrop, volcanic	25	Not rated		Not rated	
Sky	10	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.40		
Mountrose	5	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.10	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.88	25 to 50% fragments >3"	0.81
		25 to 50% fragments 3-10"	0.91		
Wardcreek	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56		
Lithnip	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM .5 to 1%	0.50	Slopes > 25%	0.00

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9143:					
Meiss	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.44	Slopes > 25%	0.00
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
9151:					
Shakespeare	80	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.60	Slopes 15 to 25%	0.50
				LEP 3 to 9	0.85
Deerhill	5	Fair source		Fair source	
		pH between 4 and 6.5 above 40"	0.80	Slopes 15 to 25%	0.50
Mountrose	4	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.10	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.88	25 to 50% fragments >3"	0.81
		25 to 50% fragments 3-10"	0.91		
Melody	3	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments 3-10" > 50%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56	25 to 50% fragments >3"	0.82
Wardcreek	3	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56		
Dagget very gravelly loamy coarse sand	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9151:					
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
Temo	1	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.18
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		
Witefels	1	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.08
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		
9152:					
Shakespeare	80	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.60	Slopes > 25%	0.00
				LEP 3 to 9	0.85
Deerhill	5	Fair source		Poor source	
		pH between 4 and 6.5 above 40"	0.80	Slopes > 25%	0.00
Mountrose	4	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.10	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.88	25 to 50% fragments >3"	0.81
		25 to 50% fragments 3-10"	0.91		
Melody	3	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments 3-10" > 50%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56	25 to 50% fragments >3"	0.82

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9152:					
Wardcreek	3	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56		
Dagget very gravelly loamy coarse sand	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
Temo	1	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		
Witefels	1	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		
9161:					
Sky	80	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.40		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9161:					
Melody	10	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments 3-10" > 50%	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.56	25 to 50% fragments >3"	0.82
Mountrose	4	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.10	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.88	25 to 50% fragments >3"	0.81
		25 to 50% fragments 3-10"	0.91		
Wardcreek	3	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56		
Lithnip	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM .5 to 1%	0.50	Slopes > 25%	0.00
Meiss	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.44	Slopes > 25%	0.00
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
9162:					
Sky	80	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.40		
Melody	10	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments 3-10" > 50%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56	25 to 50% fragments >3"	0.82

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9162:					
Mountrose	4	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.10	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.88	25 to 50% fragments >3"	0.81
		25 to 50% fragments 3-10"	0.91		
Wardcreek	3	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56		
Lithnip	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM .5 to 1%	0.50	Slopes > 25%	0.00
Meiss	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.44	Slopes > 25%	0.00
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
9163:					
Sky	80	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.40		
Melody	10	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments 3-10" > 50%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56	25 to 50% fragments >3"	0.82
Mountrose	4	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.10	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.88	25 to 50% fragments >3"	0.81
		25 to 50% fragments 3-10"	0.91		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9163:					
Wardcreek	3	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56		
Lithnip	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM .5 to 1%	0.50	Slopes > 25%	0.00
Meiss	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.44	Slopes > 25%	0.00
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
9164:					
Sky	50	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.40		
Melody	40	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments 3-10" > 50%	0.00	Slopes 15 to 25%	0.50
		pH between 4 and 6.5 above 40"	0.56	25 to 50% fragments >3"	0.82
Mountrose	4	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.10	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.88	25 to 50% fragments >3"	0.81
		25 to 50% fragments 3-10"	0.91		
Wardcreek	3	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9164:					
Lithnip	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM .5 to 1%	0.50	Slopes > 25%	0.00
Meiss	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.44	Slopes > 25%	0.00
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
9165:					
Sky	50	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.40		
Melody	40	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments 3-10" > 50%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56	25 to 50% fragments >3"	0.82
Mountrose	4	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.10	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.88	25 to 50% fragments >3"	0.81
		25 to 50% fragments 3-10"	0.91		
Wardcreek	3	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56		
Lithnip	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM .5 to 1%	0.50	Slopes > 25%	0.00

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9165:					
Meiss	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.44	Slopes > 25%	0.00
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
9166:					
Sky	50	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.40		
Melody	40	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments 3-10" > 50%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56	25 to 50% fragments >3"	0.82
Mountrose	4	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.10	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.88	25 to 50% fragments >3"	0.81
		25 to 50% fragments 3-10"	0.91		
Wardcreek	3	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56		
Lithnip	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM .5 to 1%	0.50	Slopes > 25%	0.00
Meiss	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.44	Slopes > 25%	0.00

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9166:					
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
9171:					
Mountrose	35	Fair source		Poor source	
		AWC 3 - 6" to 60" depth	0.10	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.88	25 to 50% fragments >3"	0.81
		25 to 50% fragments 3-10"	0.91		
Wardcreek	25	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56		
Melody	20	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments 3-10" > 50%	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.56	25 to 50% fragments >3"	0.82
Meiss	5	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		pH between 4 and 6.5 above 40"	0.44	Slopes > 25%	0.00
Rock outcrop	5	Not rated		Not rated	
Rubble land	5	Not rated		Not rated	
Sky	5	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.40		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9401:					
Dagget very gravelly loamy coarse sand	75	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.18
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Temo	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.18
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		
Witefels	4	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.08
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		
Jobsis	3	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Sand fractions 75 to 85%	0.15	Slopes 15 to 25%	0.68
		pH between 4 and 6.5 above 40"	0.40		
		Fragments >10" < 5%	1.00		
Rock outcrop	3	Not rated		Not rated	
Whittell	3	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.68
		Fragments >10" > 15%	0.00		
		pH between 4 and 6.5 above 40"	0.56		
		OM .5 to 1%	0.68		
Cagwin	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.08
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9401:					
Cassenai, moist	2	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.08
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.78		
		pH between 4 and 6.5 above 40"	0.96		
Toem	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.50
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
9402:					
Dagget very gravelly loamy coarse sand	75	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Temo	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		
Witefels	4	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9402:					
Jobsis	3	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Sand fractions 75 to 85%	0.15	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.40		
		Fragments >10" < 5%	1.00		
Rock outcrop	3	Not rated		Not rated	
Whittell	3	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00		
		pH between 4 and 6.5 above 40"	0.56		
		OM .5 to 1%	0.68		
Cagwin	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Cassenai, moist	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.78		
		pH between 4 and 6.5 above 40"	0.96		
Toem	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9403:					
Dagget very gravelly loamy coarse sand	75	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Temo	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		
Witefels	4	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		
Jobsis	3	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Sand fractions 75 to 85%	0.15	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.40		
		Fragments >10" < 5%	1.00		
Rock outcrop	3	Not rated		Not rated	
Whittell	3	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00		
		pH between 4 and 6.5 above 40"	0.56		
		OM .5 to 1%	0.68		
Cagwin	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9403:					
Cassenai, moist	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.78		
		pH between 4 and 6.5 above 40"	0.96		
Toem	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.84		
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
9404:					
Dagget, moist	80	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock 40 to 60"	0.50
		Fragments >10" > 15%	0.00		
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Cassenai, moist	5	Poor source		Good source	
		Sand fractions > 85%	0.00		
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.78		
		pH between 4 and 6.5 above 40"	0.96		
Rockbound very gravelly loam	5	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Sand fractions 75 to 85%	0.08		
		pH between 4 and 6.5 above 40"	0.80		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9404:					
Jobsis	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Sand fractions 75 to 85%	0.15	Slopes 15 to 25%	0.68
		pH between 4 and 6.5 above 40"	0.40		
		Fragments >10" < 5%	1.00		
Oxyaquic Cryorthents	2	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
Temo	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00		
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		
Whittell	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.68
		Fragments >10" > 15%	0.00		
		pH between 4 and 6.5 above 40"	0.56		
		OM .5 to 1%	0.68		
Witefels	2	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00		
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		
9405:					
Dagget, moist	80	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.08
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9405:					
Cassenai, moist	5	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.08
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.78		
		pH between 4 and 6.5 above 40"	0.96		
Rockbound very gravelly loam	5	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Sand fractions 75 to 85%	0.08		
		pH between 4 and 6.5 above 40"	0.80		
Jobsis	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Sand fractions 75 to 85%	0.15	Slopes 15 to 25%	0.68
		pH between 4 and 6.5 above 40"	0.40		
		Fragments >10" < 5%	1.00		
Oxyaquic Cryorthents	2	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
Temo	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.18
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		
Whittell	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.68
		Fragments >10" > 15%	0.00		
		pH between 4 and 6.5 above 40"	0.56		
		OM .5 to 1%	0.68		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9405:					
Witefels	2	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.08
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		
9406:					
Dagget, moist	80	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Cassenai, moist	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.78		
		pH between 4 and 6.5 above 40"	0.96		
Rockbound very stony loam	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		25 to 50% fragments 3-10"	0.17	25 to 50% fragments >3"	0.99
		pH between 4 and 6.5 above 40"	0.52		
		5-15% fragments >10"	0.92		
Jobsis	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Sand fractions 75 to 85%	0.15	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.40		
		Fragments >10" < 5%	1.00		
Oxyaquic Cryorthents	2	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9406:					
Temo	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		
Whittell	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00		
		pH between 4 and 6.5 above 40"	0.56		
		OM .5 to 1%	0.68		
Witefels	2	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		
9407:					
Dagget, moist	55	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Rock outcrop, granitic	25	Not rated		Not rated	
Temo	5	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		
Witefels	5	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9407:					
Whittell	4	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00		
		pH between 4 and 6.5 above 40"	0.56		
		OM .5 to 1%	0.68		
Cassenai, moist	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		OM < .5%	0.00		
		AWC 3 - 6" to 60" depth	0.78		
		pH between 4 and 6.5 above 40"	0.96		
Jobsis	2	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Sand fractions 75 to 85%	0.15	Slopes > 25%	0.00
		pH between 4 and 6.5 above 40"	0.40		
		Fragments >10" < 5%	1.00		
Oxyaquic Cryorthents	2	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
9411:					
Freelpeak	50	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		5-15% fragments >10"	0.15		
		OM .5 to 1%	0.50		
		pH between 4 and 6.5 above 40"	0.64		
Windyridge	25	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM < .5%	0.00	Slopes 15 to 25%	0.12
		Sand fractions 75 to 85%	0.15		
		pH between 4 and 6.5 above 40"	0.48		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9411:					
Rock outcrop	10	Not rated		Not rated	
Jobsis	8	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM < .5%	0.00	Slopes > 25%	0.00
		Sand fractions 75 to 85%	0.15		
		pH between 4 and 6.5 above 40"	0.40		
		5-15% fragments >10"	0.97		
Whittell	3	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00		
		Fragments >10" > 15%	0.00		
		pH between 4 and 6.5 above 40"	0.56		
		OM .5 to 1%	0.68		
		25 to 50% fragments 3-10"	0.98		
Waterpeak	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.77		
Buggin	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		Sand fractions 75 to 85%	0.10		
		pH between 4 and 6.5 above 40"	0.84		
Glaciers	1	Not rated		Not rated	
9421:					
Jobsis	45	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM < .5%	0.00	Slopes 15 to 25%	0.68
		Sand fractions 75 to 85%	0.15		
		pH between 4 and 6.5 above 40"	0.40		
		5-15% fragments >10"	0.97		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9421:					
Whittell	25	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.68
		AWC < 3" to 60" depth	0.00		
		Fragments >10" > 15%	0.00		
		pH between 4 and 6.5 above 40"	0.56		
		OM .5 to 1%	0.68		
		25 to 50% fragments 3-10"	0.98		
Rock outcrop	15	Not rated		Not rated	
Typic Cryorthents, 8 to 30 percent slopes	4	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock 40 to 60"	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.68
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.40		
		5-15% fragments >10"	0.98		
Windyridge	4	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM < .5%	0.00	Slopes 15 to 25%	0.68
		Sand fractions 75 to 85%	0.15		
		pH between 4 and 6.5 above 40"	0.48		
Klauspeak	2	Poor source		Poor source	
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		5-15% fragments >10"	0.03		
		AWC 3 - 6" to 60" depth	0.09		
		Sand fractions 75 to 85%	0.10		
		OM .5 to 1%	0.50		
		pH between 4 and 6.5 above 40"	0.60		
Shalgran	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00		
		AWC < 3" to 60" depth	0.00		
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.72		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9421:					
Buggin	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes 15 to 25%	0.68
		Sand fractions 75 to 85%	0.10		
		pH between 4 and 6.5 above 40"	0.84		
Typic Cryorthents, 4 to 30 percent slopes	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM < .5%	0.00	Slopes 15 to 25%	0.98
		Sand fractions 75 to 85%	0.15		
		pH between 4 and 6.5 above 40"	0.40		
		5-15% fragments >10"	0.92		
Waterpeak	1	Poor source		Fair source	
		Sand fractions > 85%	0.00	Slopes 15 to 25%	0.68
		WEG = 1 or 2	0.00		
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.77		
9431:					
Sofgran	40	Poor source		Poor source	
		OM < .5%	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		Sand fractions 75 to 85%	0.10		
		pH between 4 and 6.5 above 40"	0.40		
		Fragments >10" < 5%	1.00		
Klauspeak	30	Poor source		Poor source	
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		5-15% fragments >10"	0.03		
		AWC 3 - 6" to 60" depth	0.09		
		Sand fractions 75 to 85%	0.10		
		OM .5 to 1%	0.50		
		pH between 4 and 6.5 above 40"	0.60		
Temo	15	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Sand fractions 75 to 85%	0.02	Slopes > 25%	0.00
		OM .5 to 1%	0.50		
		pH between 4 and 6.5 above 40"	0.56		
		5-15% fragments >10"	0.98		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9431:					
Rock outcrop	4	Not rated		Not rated	
Shalgran	4	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00		
		AWC < 3" to 60" depth	0.00		
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.72		
Xeric Humicryepts	3	Poor source		Poor source	
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		Sand fractions 75 to 85%	0.10		
		AWC 3 - 6" to 60" depth	0.16		
		OM .5 to 1%	0.50		
		pH between 4 and 6.5 above 40"	0.60		
Stumpatil	2	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.50	Slopes 15 to 25%	0.68
		OM .5 to 1%	0.50		
		pH between 4 and 6.5 above 40"	0.60		
		5-15% fragments >10"	0.80		
Aquic Haplocryolls	1	Fair source		Fair source	
		AWC 3 - 6" to 60" depth	0.15	Slopes 15 to 25%	0.98
		5-15% fragments >10"	0.57	No saturated zone within 3' depth	1.00
		pH between 4 and 6.5 above 40"	0.80		
Hopeval	1	Fair source		Poor source	
		K factor .10 -.35	0.37	Saturation < 1' depth	0.00
		pH between 4 and 6.5 above 40"	0.84		
9441:					
Temo	45	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00		
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9441:					
Witefels	35	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00		
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.18
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Cagwin	4	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00		
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
9442:					
Temo	45	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.18
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9442:					
Witefels	35	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.08
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Poor source		Fair source	
		AWC < 3" to 60" depth	0.00	Slopes 15 to 25%	0.18
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Cagwin	4	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes 15 to 25%	0.08
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
9443:					
Temo	45	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9443:					
Witefels	35	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Cagwin	4	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
9444:					
Temo	45	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.80		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9444:					
Witefels	35	Poor source		Poor source	
		WEG = 1 or 2	0.00	Depth to bedrock < 40"	0.00
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		OM < .5%	0.00		
		Sand fractions 75 to 85%	0.56		
		pH between 4 and 6.5 above 40"	0.80		
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00	Depth to bedrock 40 to 60"	0.50
		Sand fractions 75 to 85%	0.68		
		pH between 4 and 6.5 above 40"	0.80		
Cagwin	4	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		pH between 4 and 6.5 above 40"	0.72		
		OM .5 to 1%	0.84		
Oxyaquic Cryorthents	1	Poor source		Fair source	
		WEG = 1 or 2	0.00	Saturation from 1 to 3'	0.86
		Sand fractions 75 to 85%	0.00		
		AWC 3 - 6" to 60" depth	0.02		
		OM .5 to 1%	0.46		
		pH between 4 and 6.5 above 40"	0.60		
9451:					
Waterpeak	80	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.77		
Rock outcrop	10	Not rated		Not rated	

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9451:					
Shalgran	4	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00		
		AWC < 3" to 60" depth	0.00		
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.72		
Typic Cryorthents	4	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00	Depth to bedrock 40 to 60"	0.00
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.40		
		5-15% fragments >10"	0.98		
Pachic Haplocryolls	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		5-15% fragments >10"	0.00		
		AWC 3 - 6" to 60" depth	0.77		
9461:					
Whittell	45	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		AWC < 3" to 60" depth	0.00		
		Fragments >10" > 15%	0.00		
		pH between 4 and 6.5 above 40"	0.56		
		OM .5 to 1%	0.68		
		25 to 50% fragments 3-10"	0.98		
Jobsis	25	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM < .5%	0.00	Slopes > 25%	0.00
		Sand fractions 75 to 85%	0.15		
		pH between 4 and 6.5 above 40"	0.40		
		5-15% fragments >10"	0.97		
Rock outcrop	15	Not rated		Not rated	

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9461:					
Jobsis, 8 to 30 percent slopes----	4	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM < .5%	0.00	Slopes 15 to 25%	0.68
		Sand fractions 75 to 85%	0.15		
		pH between 4 and 6.5 above 40"	0.40		
		5-15% fragments >10"	0.97		
Windyridge------------------------	4	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM < .5%	0.00	Slopes 15 to 25%	0.68
		Sand fractions 75 to 85%	0.15		
		pH between 4 and 6.5 above 40"	0.48		
Klauspeak--------------------------	2	Poor source		Poor source	
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		5-15% fragments >10"	0.03		
		AWC 3 - 6" to 60" depth	0.09		
		Sand fractions 75 to 85%	0.10		
		OM .5 to 1%	0.50		
		pH between 4 and 6.5 above 40"	0.60		
Shalgran--------------------------	2	Poor source		Poor source	
		Sand fractions > 85%	0.00	Depth to bedrock < 40"	0.00
		WEG = 1 or 2	0.00	Slopes > 25%	0.00
		Fragments >10" > 15%	0.00		
		AWC < 3" to 60" depth	0.00		
		OM < .5%	0.00		
		pH between 4 and 6.5 above 40"	0.72		
Buggin----------------------------	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		Fragments >10" > 15%	0.00	Slopes > 25%	0.00
		Sand fractions 75 to 85%	0.10		
		pH between 4 and 6.5 above 40"	0.84		
Typic Cryorthents-----------------	1	Poor source		Poor source	
		AWC < 3" to 60" depth	0.00	Depth to bedrock < 40"	0.00
		OM < .5%	0.00	Slopes > 25%	0.00
		Sand fractions 75 to 85%	0.15		
		pH between 4 and 6.5 above 40"	0.40		
		5-15% fragments >10"	0.92		

Table 18b.--Construction Materials--Continued

Map symbol and component name	Pct. of map unit	Potential as source of reclamation material		Potential as source of roadfill	
		Rating class and limiting features	Value	Rating class and limiting features	Value
9461:					
Waterpeak	1	Poor source		Poor source	
		Sand fractions > 85%	0.00	Slopes > 25%	0.00
		WEG = 1 or 2	0.00		
		Fragments >10" > 15%	0.00		
		AWC 3 - 6" to 60" depth	0.77		
W:					
Water	100	Not rated		Not rated	

The interpretation for reclamation material evaluates the following soil properties at variable depths in the soil: the amount of sand, clay, and fragments; the content of organic matter (OM); the wind erodibility group (WEG); the available water capacity (AWC); pH; salinity (EC); the amount of sodium (SAR); carbonates; and susceptibility of the soil to water erosion (K factor).

The interpretation for roadfill evaluates the following soil properties at variable depths in the soil: shrink-swell potential expressed as linear extensibility percent (LEP), depth to bedrock or a cemented pan, wetness, slope, soil strength expressed as AASHTO group index number (AASHTO GIN), and content of fragments.

Table 19a.--Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. The rating is based on the limitation with the highest value. Only the three highest value limitations are listed. There may be more limitations. Fine-earth fractions and coarse fragments are reported on a weight basis. An explanation of the rating criteria and of the abbreviations used in describing the limitations is given at the end of the table)

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7011:					
Beaches	64	Not rated		Not rated	
Oxyaquic Xeropsamments	10	Limitations		Limitations	
		Saturation < 2' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage	1.00		
Watah	7	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Seepage	1.00		
Gefo, barrier beach	6	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.01
Marla	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Cagwin	1	Limitations		Limitations	
		Thin layer	0.93	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
				Depth to bedrock from 20-60"	0.93
Cassenai gravelly loamy coarse sand	1	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Dunes	1	Not rated		Not rated	
Jorge very gravelly sandy loam	1	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7011:					
Rock outcrop	1	Not rated		Not rated	
Tahoe silt loam	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Very high piping potential	1.00		
Tahoma	1	Limitations		Limitations	
		Fragments (>3") 15-35%	0.94	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Toem	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
7021:					
Hellhole	80	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
Bidart, wet	10	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
Watah	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Seepage	1.00		
Water	5	Not rated		Not rated	
7031:					
Pits	45	Not rated		Not rated	
Dumps	45	Not rated		Not rated	
Arents	5	Not rated		Not rated	
Xerorthents	5	Not rated		Not rated	

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7041:					
Tahoe silt loam	55	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Very high piping potential	1.00		
Tahoe silt loam, wet	25	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Organic matter (PT, OL, OH)	1.00		
Marla	10	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Tahoe, gravelly	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Watah	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Seepage	1.00		
7042:					
Tahoe, gravelly	55	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Tahoe, gravelly, wet	25	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Marla	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Riverwash	5	Not rated		Not rated	
Tahoe silt loam	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Very high piping potential	1.00		

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7042:					
Watah	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Seepage	1.00		
7043:					
Tahoe, drained	80	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Organic matter (PT, OL, OH)	1.00		
Marla	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Tahoe, gravelly	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Tahoe silt loam, wet	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Organic matter (PT, OL, OH)	1.00		
Watah	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Seepage	1.00		
7051:					
Oxyaquic Xerorthents	60	Limitations		Limitations	
		Saturation between 2-4'	0.22	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.01
Water	38	Not rated		Not rated	
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7051:					
Watah	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Seepage	1.00		
7061:					
Urban land	100	Not rated		Not rated	
7071:					
Watah	75	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Seepage	1.00		
Tahoe, gravelly, wet	9	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Tahoe silt loam, wet	8	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Organic matter (PT, OL, OH)	1.00		
Marla	3	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Bidart, wet	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
Water	2	Not rated		Not rated	
Hellhole	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7101:					
Caverock	80	Limitations		Limitations	
		Thin layer	0.94	Slopes > 7%	1.00
				Depth to bedrock from 20-60"	0.94
				Permeability .6-2"/hr (some seepage)	0.02
Cagwin	5	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Cassenai gravelly loamy coarse sand	5	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Deerhill	3	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.32
Genoapeak	2	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Slight seepage problem	0.10	Permeability > 2"/hr (seepage)	1.00
Southcamp	2	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Shrink-swell (LEP 3-6)	0.18	Permeability > 2"/hr (seepage)	1.00
Zephyrcove	2	Limitations		Limitations	
		Thin layer	0.71	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.01	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.71
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
7111:					
Deerhill	80	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.32

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7111:					
Cassenai gravelly loamy coarse sand	5	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Cagwin	3	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Shakespeare	3	Limitations		Limitations	
		Shrink-swell (LEP 3-6)	0.89	Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.02
Southcamp	3	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Shrink-swell (LEP 3-6)	0.18	Permeability > 2"/hr (seepage)	1.00
Zephyrcove	3	Limitations		Limitations	
		Thin layer	0.71	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.01	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.71
Genoapeak	2	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Slight seepage problem	0.10	Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
7112:					
Deerhill	80	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.32
Cassenai gravelly loamy coarse sand	5	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7112:					
Cagwin	3	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Shakespeare	3	Limitations		Limitations	
		Shrink-swell (LEP 3-6)	0.89	Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.02
Southcamp	3	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Shrink-swell (LEP 3-6)	0.18	Permeability > 2"/hr (seepage)	1.00
Zephyrcove	3	Limitations		Limitations	
		Thin layer	0.71	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.01	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.71
Genoapeak	2	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Slight seepage problem	0.10	Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
7121:					
Ellispeak	45	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Rock outcrop, volcanic	40	Not rated		Not rated	
Waca	10	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Kneeridge, well drained	2	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7121:					
Paige	2	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7122:					
Ellispeak	45	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Rock outcrop, volcanic	40	Not rated		Not rated	
Waca	10	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Kneeridge, well drained	3	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
Paige	1	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
7123:					
Ellispeak	45	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Rock outcrop, volcanic	40	Not rated		Not rated	

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7123:					
Waca	10	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Kneeridge, well drained	3	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
Paige	1	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
7131:					
Ellispeak	45	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Waca	40	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Rock outcrop	10	Not rated		Not rated	
Windy	4	Limitations		Limitations	
		Thin layer	0.12	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.12
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7132:					
Ellispeak	45	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Waca	40	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Rock outcrop	10	Not rated		Not rated	
Windy	4	Limitations		Limitations	
		Thin layer	0.12	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.12
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
7133:					
Ellispeak	45	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Waca	40	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Rock outcrop	10	Not rated		Not rated	
Windy	4	Limitations		Limitations	
		Thin layer	0.12	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.12
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7141:					
Inville	80	Limitations		Limitations	
		Fragments (>3") 15-35%	0.93	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.66
Christopher loamy coarse sand	10	Limitations		Limitations	
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.31
Cassenai gravelly loamy coarse sand	4	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Jorge very gravelly sandy loam	3	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Kingsbeach	2	Limitations		Limitations	
		Shrink-swell (LEP >6)	1.00	Slopes 2 to 7%	0.66
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
7142:					
Inville	80	Limitations		Limitations	
		Fragments (>3") 15-35%	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Cassenai gravelly loamy coarse sand	10	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Christopher gravelly loamy coarse sand	4	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Jorge very gravelly sandy loam	3	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7142:					
Meeks, extremely bouldery---------	2	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
Aquic Xerorthents-----------------	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
7143:					
Inville----------------------------	80	Limitations		Limitations	
		Fragments (>3") 15-35%	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Cassenai gravelly loamy coarse sand-----------------------------	10	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Christopher gravelly loamy coarse sand-----------------------------	4	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Jorge very gravelly sandy loam----	3	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Meeks, extremely bouldery---------	2	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents-----------------	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
7151:					
Jorge very cobbly fine sandy loam	80	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7151:					
Tahoma	5	Limitations		Limitations	
		Fragments (>3") 15-35%	0.94	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Waca	5	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Jorge very cobbly loam	4	Limitations		Limitations	
		Fragments (>3") > 35%	0.99	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Ellispeak	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Sky	2	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.98	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.98
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
Rock outcrop	1	Not rated		Not rated	
7152:					
Jorge very cobbly fine sandy loam	80	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Tahoma	5	Limitations		Limitations	
		Fragments (>3") 15-35%	0.94	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Waca	5	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7152:					
Jorge very cobbly loam----------	4	Limitations		Limitations	
		Fragments (>3") > 35%	0.99	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Ellispeak----------	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Sky----------	2	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.98	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.98
Aquic Xerorthents----------	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
Rock outcrop----------	1	Not rated		Not rated	
7153:					
Jorge very cobbly fine sandy loam	80	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Tahoma----------	5	Limitations		Limitations	
		Fragments (>3") 15-35%	0.94	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Waca----------	5	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Jorge very cobbly loam----------	4	Limitations		Limitations	
		Fragments (>3") > 35%	0.99	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Ellispeak----------	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7153:					
Sky	2	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.98	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.98
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
Rock outcrop	1	Not rated		Not rated	
7154:					
Jorge very cobbly loam	75	Limitations		Limitations	
		Fragments (>3") > 35%	0.99	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Rubble land	10	Not rated		Not rated	
Tahoma	5	Limitations		Limitations	
		Fragments (>3") 15-35%	0.94	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Ellispeak	3	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Rock outcrop	3	Not rated		Not rated	
Waca	3	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7155:					
Jorge very cobbly loam	75	Limitations		Limitations	
		Fragments (>3") > 35%	0.99	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7155:					
Rubble land	10	Not rated		Not rated	
Tahoma	5	Limitations		Limitations	
		Fragments (>3") 15-35%	0.94	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Ellispeak	3	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Rock outcrop	3	Not rated		Not rated	
Waca	3	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7156:					
Jorge very gravelly sandy loam	45	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Tahoma	35	Limitations		Limitations	
		Fragments (>3") 15-35%	0.94	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Waca	10	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Inville	5	Limitations		Limitations	
		Fragments (>3") 15-35%	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Rubble land	2	Not rated		Not rated	

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7156:					
Ellispeak	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Rock outcrop	1	Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7157:					
Jorge very gravelly sandy loam	55	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Tahoma	25	Limitations		Limitations	
		Fragments (>3") 15-35%	0.94	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Waca	10	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Inville	5	Limitations		Limitations	
		Fragments (>3") 15-35%	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Rubble land	2	Not rated		Not rated	
Ellispeak	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Rock outcrop	1	Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7161:					
Kingsbeach	80	Limitations		Limitations	
		Shrink-swell (LEP >6)	1.00	Slopes 2 to 7%	0.66
Tahoma	10	Limitations		Limitations	
		Fragments (>3") 15-35%	0.94	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Jorge very gravelly sandy loam	8	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Beaches	1	Not rated		Not rated	
Dunes	1	Not rated		Not rated	
7171:					
Kneeridge, extremely stony	80	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.31
Jorge very gravelly sandy loam	9	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Paige	5	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Waca	5	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7172:					
Kneeridge, well drained	80	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7172:					
Jorge very gravelly sandy loam----	9	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Paige----------	5	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Waca----------	5	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Tahoe, gravelly----------	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7173:					
Kneeridge, very stony----------	80	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.01
Jorge very gravelly sandy loam----	9	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Paige----------	5	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Waca----------	5	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Tahoe, gravelly----------	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7174:					
Kneeridge, very stony	80	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Jorge very gravelly sandy loam	9	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Paige	5	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Waca	5	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7181:					
Paige	80	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Kneeridge, well drained	7	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Jorge very gravelly sandy loam	6	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Tahoe, gravelly	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Waca	2	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7182:					
Paige	80	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Jorge very gravelly sandy loam	5	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Tahoma	5	Limitations		Limitations	
		Fragments (>3") 15-35%	0.94	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Waca	5	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Kneeridge, well drained	4	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7183:					
Paige	84	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Jorge very gravelly sandy loam	5	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Tahoma	5	Limitations		Limitations	
		Fragments (>3") 15-35%	0.94	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Waca	5	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7183:					
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7191:					
Rock outcrop, volcanic	90	Not rated		Not rated	
Glenalpine	2	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
Lithnip	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
				Depth to bedrock < 20"	1.00
Meiss	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.05	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Melody	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
Rubble land	2	Not rated		Not rated	
7201:					
Rubble land, talus	45	Not rated		Not rated	
Glenalpine	40	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	10	Not rated		Not rated	
Rockbound very stony loam	5	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7211:					
Southcamp	80	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Shrink-swell (LEP 3-6)	0.18	Permeability > 2"/hr (seepage)	1.00
Cassenai gravelly loamy coarse sand	5	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Genoapeak	5	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Slight seepage problem	0.10	Permeability > 2"/hr (seepage)	1.00
Zephyrcove	5	Limitations		Limitations	
		Thin layer	0.71	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.01	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.71
Cagwin	2	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Deerhill	2	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.32
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
7221:					
Tahoma	80	Limitations		Limitations	
		Fragments (>3") 15-35%	0.94	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Waca	10	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7221:					
Inville	4	Limitations		Limitations	
		Fragments (>3") 15-35%	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Rubble land	3	Not rated		Not rated	
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
Ellispeak	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Rock outcrop	1	Not rated		Not rated	
7222:					
Tahoma	50	Limitations		Limitations	
		Fragments (>3") 15-35%	0.94	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Jorge very gravelly sandy loam	30	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Waca	10	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Inville	5	Limitations		Limitations	
		Fragments (>3") 15-35%	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Rubble land	2	Not rated		Not rated	
Ellispeak	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7222:					
Rock outcrop	1	Not rated		Not rated	
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7231:					
Waca	80	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Ellispeak	5	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Rock outcrop	5	Not rated		Not rated	
Windy	5	Limitations		Limitations	
		Thin layer	0.12	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.12
Kneeridge, well drained	2	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Paige	2	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
7232:					
Waca	80	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7232:					
Ellispeak	5	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Rock outcrop	5	Not rated		Not rated	
Windy	4	Limitations		Limitations	
		Thin layer	0.12	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.12
Kneeridge, well drained	2	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Paige	2	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
Typic Epiaquents	1	Limitations		Limitations	
		Saturation < 2' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
7233:					
Waca	80	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Ellispeak	5	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Rock outcrop	5	Not rated		Not rated	

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7233:					
Windy	5	Limitations		Limitations	
		Thin layer	0.12	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.12
Kneeridge, well drained	2	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Paige	2	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
7241:					
Zephyrcove	50	Limitations		Limitations	
		Thin layer	0.71	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.01	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.71
Southcamp	20	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Shrink-swell (LEP 3-6)	0.18	Permeability > 2"/hr (seepage)	1.00
Genoapeak	17	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Slight seepage problem	0.10	Permeability > 2"/hr (seepage)	1.00
Cagwin	5	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Cassenai gravelly loamy coarse sand	5	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7241:					
Deerhill	2	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.32
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
7242:					
Zephyrcove	50	Limitations		Limitations	
		Thin layer	0.71	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.01	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.71
Southcamp	20	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Shrink-swell (LEP 3-6)	0.18	Permeability > 2"/hr (seepage)	1.00
Genoapeak	17	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Slight seepage problem	0.10	Permeability > 2"/hr (seepage)	1.00
Cagwin	5	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Cassenai gravelly loamy coarse sand	5	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Deerhill	2	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.32
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7401:					
Burnlake	60	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.19	Slopes > 7%	1.00
Roadcat	25	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.18	Slopes > 7%	1.00
Hardtil	4	Limitations		Limitations	
		Thin layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Slopes > 7%	1.00
Aquic Haplocryolls	2	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.55	Slopes > 7%	1.00
		Saturation between 2-4'	0.53		
Aspetill	2	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.50
Cumulic Cryaquolls	2	Limitations		Limitations	
		Saturation < 2' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.55		
Stumpatil	2	Limitations		Limitations	
		Fragments (>3") 15-35%	0.48	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Typic Haploxerepts	2	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.05	Slopes > 7%	1.00
Rock outcrop	1	Not rated		Not rated	
7411:					
Cagwin	50	Limitations		Limitations	
		Thin layer	0.93	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
				Depth to bedrock from 20-60"	0.93

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7411:					
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Toem	10	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.32	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Temo	2	Limitations		Limitations	
		Thin layer	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Witefels	2	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.66	Slopes > 7%	1.00
				Depth to bedrock from 20-60"	0.66
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7412:					
Cagwin	50	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Rock outcrop, granitic	20	Not rated		Not rated	

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7412:					
Cassenai gravelly loamy coarse sand	10	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Toem	10	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.32	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Temo	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Witefels	2	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Thin layer	0.66	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.66
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7413:					
Cagwin	50	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7413:					
Toem	10	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.32	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Temo	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Witefels	2	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Thin layer	0.66	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.66
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7414:					
Cagwin	50	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Rock outcrop, granitic	20	Not rated		Not rated	
Cassenai gravelly loamy coarse sand	10	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Toem	10	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7414:					
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.32	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Temo	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Witefels	2	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Thin layer	0.66	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.66
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7421:					
Cassenai gravelly loamy coarse sand	78	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Cagwin	12	Limitations		Limitations	
		Thin layer	0.93	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
				Depth to bedrock from 20-60"	0.93
Toem	4	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Rock outcrop	3	Not rated		Not rated	
Christopher gravelly loamy coarse sand	1	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7421:					
Christopher loamy coarse sand-----	1	Limitations		Limitations	
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.01
Marla----------	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7422:					
Cassenai gravelly loamy coarse sand----------	73	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Cagwin----------	12	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Dagget very gravelly loamy coarse sand----------	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.32	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Toem----------	4	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Aquic Xerorthents----------	2	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
Christopher gravelly loamy coarse sand----------	2	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Rock outcrop----------	2	Not rated		Not rated	

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7423:					
Cassenai gravelly loamy coarse sand	78	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Cagwin	12	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Toem	4	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Rock outcrop	3	Not rated		Not rated	
Christopher gravelly loamy coarse sand	2	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
7424:					
Cassenai gravelly loamy coarse sand	78	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Cagwin	12	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Toem	5	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7424:					
Rock outcrop	4	Not rated		Not rated	
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
7425:					
Cassenai, moist	80	No limitations		Limitations	
		Fragments (>3") 15-35%	0.02	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Cagwin	5	Limitations		Limitations	
		Thin layer	0.93	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
				Depth to bedrock from 20-60"	0.93
Meeks, extremely bouldery	5	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
Tallac, very stony	5	Limitations		Limitations	
		Thin layer	0.34	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.16	Slopes 2 to 7%	0.91
				Depth to pan 20 to 60"	0.34
Rock outcrop	2	Not rated		Not rated	
Toem	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7426:					
Cassenai, moist	80	No limitations		Limitations	
		Fragments (>3") 15-35%	0.02	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7426:					
Cagwin	5	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Tallac, very stony	5	Limitations		Limitations	
		Thin layer	0.34	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.16	Permeability > 2"/hr (seepage)	1.00
				Depth to pan 20 to 60"	0.34
Meeks, extremely bouldery	4	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
Rock outcrop	2	Not rated		Not rated	
Toem	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
Marla	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7427:					
Cassenai, moist	80	No limitations		Limitations	
		Fragments (>3") 15-35%	0.02	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Cagwin	5	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Meeks, extremely bouldery	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7427:					
Toem	5	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Rock outcrop	2	Not rated		Not rated	
Tallac, very stony	2	Limitations		Limitations	
		Thin layer	0.34	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.16	Permeability > 2"/hr (seepage)	1.00
				Depth to pan 20 to 60"	0.34
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
7428:					
Cassenai, moist	80	No limitations		Limitations	
		Fragments (>3") 15-35%	0.02	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Cagwin	5	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Meeks, extremely bouldery	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
Toem	5	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Rock outcrop	2	Not rated		Not rated	
Tallac, very stony	2	Limitations		Limitations	
		Thin layer	0.34	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.16	Permeability > 2"/hr (seepage)	1.00
				Depth to pan 20 to 60"	0.34

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7428:					
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
7431:					
Celio	80	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Depth to pan 20 to 60"	0.26
		Seepage	1.00	Slopes 2 to 7%	0.01
Meeks, stony	7	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Slopes 2 to 7%	0.08
Tahoe, gravelly	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Marla	4	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Watah	4	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Seepage	1.00		
7441:					
Christopher loamy coarse sand	80	Limitations		Limitations	
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.31
Gefo gravelly loamy coarse sand	10	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.01
Jabu	5	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.31
Oneidas	3	Limitations		Limitations	
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7441:					
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7442:					
Christopher loamy coarse sand	80	Limitations		Limitations	
		Seepage	0.50	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Gefo gravelly loamy coarse sand	10	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Jabu	5	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Oneidas	3	Limitations		Limitations	
		Saturation < 2' depth	1.00	Slopes > 7%	1.00
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7443:					
Christopher gravelly loamy coarse sand	80	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Gefo gravelly loamy coarse sand	10	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Jabu	5	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Oneidas	3	Limitations		Limitations	
		Saturation < 2' depth	1.00	Slopes > 7%	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7443:					
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7444:					
Christopher loamy coarse sand	45	Limitations		Limitations	
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.01
Gefo gravelly loamy coarse sand	35	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.01
Jabu	5	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.31
Marla	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Oneidas	5	Limitations		Limitations	
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Ubaj	5	Limitations		Limitations	
		Shrink-swell (LEP >6)	1.00	Permeability > 2"/hr (seepage)	1.00
		MH or CH Unified and PI <40%	0.50	Slopes 2 to 7%	0.66
7451:					
Gefo gravelly loamy coarse sand	80	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.01
Christopher loamy coarse sand	10	Limitations		Limitations	
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.31
Jabu	5	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.31

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7451:					
Oneidas	3	Limitations		Limitations	
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7452:					
Gefo gravelly loamy coarse sand	80	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Christopher loamy coarse sand	10	Limitations		Limitations	
		Seepage	0.50	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Jabu	5	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Oneidas	3	Limitations		Limitations	
		Saturation < 2' depth	1.00	Slopes > 7%	1.00
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7461:					
Jabu	80	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.31
Christopher loamy coarse sand	10	Limitations		Limitations	
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.31
Oneidas	5	Limitations		Limitations	
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Gefo gravelly loamy coarse sand	3	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.01

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7461:					
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7462:					
Jabu	80	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Christopher loamy coarse sand	10	Limitations		Limitations	
		Seepage	0.50	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Oneidas	5	Limitations		Limitations	
		Saturation < 2' depth	1.00	Slopes > 7%	1.00
Gefo gravelly loamy coarse sand	3	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7471:					
Marla	80	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Christopher loamy coarse sand	4	Limitations		Limitations	
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.01
Gefo gravelly loamy coarse sand	4	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.01
Tahoe silt loam	4	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Very high piping potential	1.00		

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7471:					
Ubaj	4	Limitations		Limitations	
		Shrink-swell (LEP >6)	1.00	Permeability > 2"/hr (seepage)	1.00
		MH or CH Unified and PI <40%	0.50	Slopes 2 to 7%	0.66
Watah	4	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Seepage	1.00		
7481:					
Meeks, stony	85	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Slopes 2 to 7%	0.08
Cassenai gravelly loamy coarse sand	5	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Celio	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Depth to pan 20 to 60"	0.26
		Seepage	1.00	Slopes 2 to 7%	0.01
Gefo gravelly loamy coarse sand	4	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.01
Tahoe, gravelly	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7482:					
Meeks, stony	80	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
Cassenai gravelly loamy coarse sand	10	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7482:					
Oneidas	7	Limitations		Limitations	
		Saturation < 2' depth	1.00	Slopes > 7%	1.00
Celio	3	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Depth to pan 20 to 60"	0.26
		Seepage	1.00	Slopes 2 to 7%	0.01
7483:					
Meeks, very stony	85	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Slopes 2 to 7%	0.08
Cassenai gravelly loamy coarse sand	5	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Celio	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Depth to pan 20 to 60"	0.26
		Seepage	1.00	Slopes 2 to 7%	0.01
Jabu	5	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.31
7484:					
Meeks, extremely bouldery	80	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
Burnlake	5	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.01	Slopes > 7%	1.00
Meeks, rubbly	5	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7484:					
Dagget, moist	3	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.47	Slopes > 7%	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Tallac, very stony	3	Limitations		Limitations	
		Thin layer	0.34	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.16	Slopes 2 to 7%	0.91
				Depth to pan 20 to 60"	0.34
Roadcat	2	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.18	Slopes > 7%	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
Jabu	1	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
7485:					
Meeks, extremely bouldery	80	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
Burnlake	5	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.01	Slopes > 7%	1.00
Meeks, rubbly	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
Dagget, moist	3	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.47	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7485:					
Tallac, very stony	3	Limitations		Limitations	
		Thin layer	0.34	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.16	Permeability > 2"/hr (seepage)	1.00
				Depth to pan 20 to 60"	0.34
Roadcat	2	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.18	Slopes > 7%	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
Jabu	1	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
7486:					
Meeks, extremely bouldery	80	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
Burnlake	5	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.01	Slopes > 7%	1.00
Meeks, rubbly	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
Dagget, moist	3	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.47	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Tallac, very stony	3	Limitations		Limitations	
		Thin layer	0.34	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.16	Permeability > 2"/hr (seepage)	1.00
				Depth to pan 20 to 60"	0.34

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7486:					
Roadcat	2	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.18	Slopes > 7%	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
Jabu	1	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
7487:					
Meeks, rubbly	80	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
Burnlake	5	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.01	Slopes > 7%	1.00
Rockbound very gravelly loam	5	Limitations		Limitations	
		Thin layer	1.00	Depth to bedrock < 20"	1.00
				Slopes > 7%	1.00
Roadcat	3	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.18	Slopes > 7%	1.00
Cagwin	2	Limitations		Limitations	
		Thin layer	0.93	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
				Depth to bedrock from 20-60"	0.93
Cassenai gravelly loamy coarse sand	2	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7487:					
Rock outcrop	1	Not rated		Not rated	
Rubble land	1	Not rated		Not rated	
7488:					
Meeks, rubbly	80	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
Burnlake	5	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.01	Slopes > 7%	1.00
Rockbound very gravelly loam	5	Limitations		Limitations	
		Thin layer	1.00	Depth to bedrock < 20"	1.00
				Slopes > 7%	1.00
Roadcat	3	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.18	Slopes > 7%	1.00
Cagwin	2	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Cassenai gravelly loamy coarse sand	2	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
Rock outcrop	1	Not rated		Not rated	
Rubble land	1	Not rated		Not rated	

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7489:					
Meeks, rubbly	80	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
Burnlake	5	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.01	Slopes > 7%	1.00
Rockbound very stony loam	5	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
Roadcat	3	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.18	Slopes > 7%	1.00
Cassenai gravelly loamy coarse sand	2	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
Cagwin	1	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Rock outcrop	1	Not rated		Not rated	
Rubble land	1	Not rated		Not rated	
Toem	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7491:					
Oneidas	80	Limitations		Limitations	
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Jabu	10	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.31
Christopher loamy coarse sand	3	Limitations		Limitations	
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.01
Meeks, stony	3	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Slopes 2 to 7%	0.08
Gefo gravelly loamy coarse sand	2	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.01
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7492:					
Oneidas	80	Limitations		Limitations	
		Saturation < 2' depth	1.00	Slopes > 7%	1.00
Jabu	10	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Christopher loamy coarse sand	3	Limitations		Limitations	
		Seepage	0.50	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Meeks, stony	3	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
Gefo gravelly loamy coarse sand	2	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7492:					
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7500:					
Rock outcrop, granitic	90	Not rated		Not rated	
Rockbound very stony loam	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
Rubble land	2	Not rated		Not rated	
Toem	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Windyridge	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
Freelpeak	1	Limitations		Limitations	
		Fragments (>3") > 35%	0.99	Slopes > 7%	1.00
		Thin layer	0.86	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Depth to bedrock from 20-60"	0.86
Jobsis	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
7501:					
Rock outcrop, granitic	50	Not rated		Not rated	
Rockbound very gravelly loam	30	Limitations		Limitations	
		Thin layer	1.00	Depth to bedrock < 20"	1.00
				Slopes > 7%	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7501:					
Dagget, moist	5	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.47	Slopes > 7%	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Meeks, rubbly	5	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
Temo	5	Limitations		Limitations	
		Thin layer	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Witefels	5	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.66	Slopes > 7%	1.00
				Depth to bedrock from 20-60"	0.66
7502:					
Rock outcrop, granitic	50	Not rated		Not rated	
Rockbound very stony loam	25	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
Dagget, moist	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.47	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Glenalpine	5	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
Rubble land	5	Not rated		Not rated	
Temo	5	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7502:					
Witefels	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Thin layer	0.66	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.66
7511:					
Shalgran	70	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
Rock outcrop	15	Not rated		Not rated	
Sofgran	6	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.07	Permeability > 2"/hr (seepage)	1.00
Dystric Xerorthents	3	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.93	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.56	Depth to bedrock from 20-60"	0.56
Burnlake	2	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.19	Permeability > 2"/hr (seepage)	1.00
Jobsis	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Temo	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
7521:					
Tallac, very stony	75	Limitations		Limitations	
		Thin layer	0.34	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.16	Slopes 2 to 7%	0.91
				Depth to pan 20 to 60"	0.34

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7521:					
Tallac, rubbly	10	Limitations		Limitations	
		Thin layer	0.34	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.20	Slopes 2 to 7%	0.66
				Depth to pan 20 to 60"	0.34
Tallac, moderately well drained	9	Limitations		Limitations	
		Thin layer	0.34	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.06	Depth to pan 20 to 60"	0.34
				Slopes 2 to 7%	0.01
Meeks, extremely bouldery	5	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
7522:					
Tallac, very stony	85	Limitations		Limitations	
		Thin layer	0.34	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.16	Permeability > 2"/hr (seepage)	1.00
				Depth to pan 20 to 60"	0.34
Meeks, extremely bouldery	10	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
Cagwin	1	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Cassenai gravelly loamy coarse sand	1	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7522:					
Dagget, moist	1	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.47	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Rockbound very gravelly loam	1	Limitations		Limitations	
		Thin layer	1.00	Depth to bedrock < 20"	1.00
				Slopes > 7%	1.00
7523:					
Tallac, very stony	85	Limitations		Limitations	
		Thin layer	0.34	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.16	Permeability > 2"/hr (seepage)	1.00
				Depth to pan 20 to 60"	0.34
Meeks, extremely bouldery	10	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
Aquic Xerorthents	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
Cagwin	1	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Cassenai gravelly loamy coarse sand	1	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Dagget, moist	1	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.47	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Rockbound very stony loam	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7524:					
Tallac, moderately well drained---	80	Limitations		Limitations	
		Thin layer	0.34	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.06	Depth to pan 20 to 60"	0.34
				Slopes 2 to 7%	0.01
Tallac, moderately well drained, 5 to 9 percent slopes----------	10	Limitations		Limitations	
		Thin layer	0.34	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.06	Slopes 2 to 7%	0.91
				Depth to pan 20 to 60"	0.34
Meeks, very stony----------	5	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Slopes 2 to 7%	0.08
Callat----------	4	Limitations		Limitations	
		Fragments (>3") 15-35%	0.64	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Tahoe, gravelly----------	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7525:					
Tallac, moderately well drained---	80	Limitations		Limitations	
		Thin layer	0.34	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.06	Slopes 2 to 7%	0.91
				Depth to pan 20 to 60"	0.34
Tallac, moderately well drained, 0 to 5 percent slopes----------	10	Limitations		Limitations	
		Thin layer	0.34	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.06	Depth to pan 20 to 60"	0.34
				Slopes 2 to 7%	0.01
Meeks, extremely bouldery---------	5	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
Callat----------	4	Limitations		Limitations	
		Fragments (>3") 15-35%	0.64	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7525:					
Tahoe, gravelly----------	1	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
7526:					
Tallac, rubbly----------	85	Limitations		Limitations	
		Thin layer	0.34	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.20	Slopes 2 to 7%	0.66
				Depth to pan 20 to 60"	0.34
Tallac, moderately well drained---	10	Limitations		Limitations	
		Thin layer	0.34	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.06	Slopes 2 to 7%	0.91
				Depth to pan 20 to 60"	0.34
Tallac, very stony----------	4	Limitations		Limitations	
		Thin layer	0.34	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.16	Slopes 2 to 7%	0.91
				Depth to pan 20 to 60"	0.34
Aquic Xerorthents----------	1	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
7531:					
Toem----------	45	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Rock outcrop, granitic----------	40	Not rated		Not rated	
Cagwin----------	10	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Cassenai gravelly loamy coarse sand----------	5	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7532:					
Toem	45	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Rock outcrop, granitic	40	Not rated		Not rated	
Cagwin	5	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Cassenai gravelly loamy coarse sand	5	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.32	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
7533:					
Toem	45	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Rock outcrop, granitic	40	Not rated		Not rated	
Cagwin	10	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Cassenai gravelly loamy coarse sand	5	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
7541:					
Ubaj	80	Limitations		Limitations	
		Shrink-swell (LEP >6)	1.00	Permeability > 2"/hr (seepage)	1.00
		MH or CH Unified and PI <40%	0.50	Slopes 2 to 7%	0.66
Christopher loamy coarse sand	5	Limitations		Limitations	
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.31
Jabu	5	No limitations		Limitations	
				Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.31
Oneidas	5	Limitations		Limitations	
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Gefo gravelly loamy coarse sand	3	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.01
Marla	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
9001:					
Bidart mucky silt loam	50	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
Bidart, wet	30	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
Tahoe, gravelly	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Tahoe silt loam	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Very high piping potential	1.00		

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9001:					
Watah	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Seepage	1.00		
Water	3	Not rated		Not rated	
Hellhole	2	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
9011:					
Oxyaquic Cryorthents	30	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
Aquic Xerorthents	28	Limitations		Limitations	
		Saturation between 2-4'	0.89	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Slopes > 7%	1.00
Tahoe, gravelly	15	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Bidart mucky silt loam	10	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
Watah	10	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00		
		Seepage	1.00		
Marla	5	Limitations		Limitations	
		Ponding (any duration)	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation < 2' depth	1.00	Slopes 2 to 7%	0.01
Riverwash	2	Not rated		Not rated	

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9101:					
Callat	82	Limitations		Limitations	
		Fragments (>3") 15-35%	0.64	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Glenalpine	5	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
Meeks, extremely bouldery	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
Tallac, very stony	5	Limitations		Limitations	
		Thin layer	0.34	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.16	Permeability > 2"/hr (seepage)	1.00
				Depth to pan 20 to 60"	0.34
Rock outcrop	2	Not rated		Not rated	
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
9102:					
Callat	82	Limitations		Limitations	
		Fragments (>3") 15-35%	0.64	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Glenalpine	5	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
Meeks, extremely bouldery	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
Tallac, very stony	5	Limitations		Limitations	
		Thin layer	0.34	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.16	Permeability > 2"/hr (seepage)	1.00
				Depth to pan 20 to 60"	0.34

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9102:					
Rock outcrop	2	Not rated		Not rated	
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
9111:					
Florand	40	Limitations		Limitations	
		Thin layer	0.19	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.19
Lostridge	30	Limitations		Limitations	
		Thin layer	0.88	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.88
Fishsnooze	15	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.70	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.70
Aquic Haplocryolls	3	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.55	Slopes > 7%	1.00
		Saturation between 2-4'	0.53		
Lithnip, moist	3	Limitations		Limitations	
		Thin layer	1.00	Depth to bedrock < 20"	1.00
				Slopes > 7%	1.00
Stumpatil	3	Limitations		Limitations	
		Fragments (>3") 15-35%	0.48	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Lithnip	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
				Depth to bedrock < 20"	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9111:					
Morscour	2	Limitations		Limitations	
		Thin layer	1.00	Depth to bedrock < 20"	1.00
		Fragments (>3") 15-35%	0.01	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Typic Cryaquolls	2	Limitations		Limitations	
		Saturation < 2' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage	1.00	Slopes > 7%	1.00
9121:					
Watsonlake	80	Limitations		Limitations	
		Fragments (>3") 15-35%	0.26	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Jorge very cobbly fine sandy loam	5	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Sky	5	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.98	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.98
Tahoma	5	Limitations		Limitations	
		Fragments (>3") 15-35%	0.94	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Waca	2	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Ellispeak	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
Rock outcrop	1	Not rated		Not rated	

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9122:					
Watsonlake	80	Limitations		Limitations	
		Fragments (>3") 15-35%	0.26	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Jorge very cobbly fine sandy loam	5	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Tahoma	5	Limitations		Limitations	
		Fragments (>3") 15-35%	0.94	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Waca	5	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Sky	2	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.98	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.98
Ellispeak	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
Rock outcrop	1	Not rated		Not rated	
9123:					
Watsonlake	80	Limitations		Limitations	
		Fragments (>3") 15-35%	0.26	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Jorge very cobbly fine sandy loam	5	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9123:					
Tahoma	5	Limitations		Limitations	
		Fragments (>3") 15-35%	0.94	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Waca	5	Limitations		Limitations	
		Thin layer	0.56	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.56
Sky	2	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.98	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.98
Ellispeak	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00		
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
Rock outcrop	1	Not rated		Not rated	
9131:					
Lithnip	40	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
				Depth to bedrock < 20"	1.00
Meiss	30	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
				Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Hawkinspeak	15	Limitations		Limitations	
		Thin layer	0.77	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.01	Depth to bedrock from 20-60"	0.77
				Permeability .6-2"/hr (some seepage)	0.50

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9131:					
Lostridge	4	Limitations		Limitations	
		Thin layer	0.88	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.88
Fishsnooze	3	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.70	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.70
Rock outcrop	3	Not rated		Not rated	
Hawkinspeak, moist	2	Limitations		Limitations	
		Thin layer	0.77	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.01	Depth to bedrock from 20-60"	0.77
				Permeability .6-2"/hr (some seepage)	0.50
Aspocket	1	Limitations		Limitations	
		Fragments (>3") > 35%	0.99	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.03	Slopes > 7%	1.00
				Depth to bedrock from 20-60"	0.03
Hawkridge	1	Limitations		Limitations	
		Thin layer	1.00	Depth to bedrock < 20"	1.00
		Fragments (>3") 15-35%	0.07	Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.50
Typic Cryaquolls	1	Limitations		Limitations	
		Saturation < 2' depth	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage	1.00	Slopes > 7%	1.00
9141:					
Melody	55	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
Rock outcrop, volcanic	25	Not rated		Not rated	

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9141:					
Sky	10	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.98	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.98
Mountrose	5	Limitations		Limitations	
		Fragments (>3") 15-35%	0.98	Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.50
Wardcreek	2	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.96	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Depth to bedrock from 20-60"	0.96
Lithnip	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
				Depth to bedrock < 20"	1.00
Meiss	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.05	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
9142:					
Melody	55	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
Rock outcrop, volcanic	25	Not rated		Not rated	
Sky	10	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.98	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.98

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9142:					
Mountrose	5	Limitations		Limitations	
		Fragments (>3") 15-35%	0.98	Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.50
Wardcreek	2	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.96	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Depth to bedrock from 20-60"	0.96
Lithnip	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
				Depth to bedrock < 20"	1.00
Meiss	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.05	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
9143:					
Melody	55	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
Rock outcrop, volcanic	25	Not rated		Not rated	
Sky	10	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.98	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.98
Mountrose	5	Limitations		Limitations	
		Fragments (>3") 15-35%	0.98	Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.50

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9143:					
Wardcreek	2	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.96	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Depth to bedrock from 20-60"	0.96
Lithnip	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
				Depth to bedrock < 20"	1.00
Meiss	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.05	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
9151:					
Shakespeare	80	Limitations		Limitations	
		Shrink-swell (LEP 3-6)	0.89	Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.02
Deerhill	5	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.32
Mountrose	4	Limitations		Limitations	
		Fragments (>3") 15-35%	0.98	Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.50
Melody	3	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
Wardcreek	3	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.96	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Depth to bedrock from 20-60"	0.96

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9151:					
Dagget very gravelly loamy coarse sand	2	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.32	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
Temo	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Witefels	1	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Thin layer	0.66	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.66
9152:					
Shakespeare	80	Limitations		Limitations	
		Shrink-swell (LEP 3-6)	0.89	Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.02
Deerhill	5	No limitations		Limitations	
				Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.32
Mountrose	4	Limitations		Limitations	
		Fragments (>3") 15-35%	0.98	Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.50
Melody	3	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
Wardcreek	3	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.96	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Depth to bedrock from 20-60"	0.96

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9152:					
Dagget very gravelly loamy coarse sand	2	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.32	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
Temo	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Witefels	1	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Thin layer	0.66	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.66
9161:					
Sky	80	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.98	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.98
Melody	10	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
Mountrose	4	Limitations		Limitations	
		Fragments (>3") 15-35%	0.98	Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.50
Wardcreek	3	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.96	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Depth to bedrock from 20-60"	0.96

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9161:					
Lithnip	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
				Depth to bedrock < 20"	1.00
Meiss	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.05	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
9162:					
Sky	80	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.98	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.98
Melody	10	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
Mountrose	4	Limitations		Limitations	
		Fragments (>3") 15-35%	0.98	Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.50
Wardcreek	3	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.96	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Depth to bedrock from 20-60"	0.96
Lithnip	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
				Depth to bedrock < 20"	1.00
Meiss	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.05	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9162:					
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
9163:					
Sky	80	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.98	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.98
Melody	10	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
Mountrose	4	Limitations		Limitations	
		Fragments (>3") 15-35%	0.98	Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.50
Wardcreek	3	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.96	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Depth to bedrock from 20-60"	0.96
Lithnip	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
				Depth to bedrock < 20"	1.00
Meiss	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.05	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
9164:					
Sky	50	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.98	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.98

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9164:					
Melody	40	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
Mountrose	4	Limitations		Limitations	
		Fragments (>3") 15-35%	0.98	Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.50
Wardcreek	3	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.96	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Depth to bedrock from 20-60"	0.96
Lithnip	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
				Depth to bedrock < 20"	1.00
Meiss	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.05	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
9165:					
Sky	50	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.98	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.98
Melody	40	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
Mountrose	4	Limitations		Limitations	
		Fragments (>3") 15-35%	0.98	Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.50

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9165:					
Wardcreek	3	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.96	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Depth to bedrock from 20-60"	0.96
Lithnip	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
				Depth to bedrock < 20"	1.00
Meiss	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.05	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
9166:					
Sky	50	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.98	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.98
Melody	40	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
Mountrose	4	Limitations		Limitations	
		Fragments (>3") 15-35%	0.98	Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.50
Wardcreek	3	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.96	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Depth to bedrock from 20-60"	0.96
Lithnip	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
				Depth to bedrock < 20"	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9166:					
Meiss	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.05	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
9171:					
Mountrose	35	Limitations		Limitations	
		Fragments (>3") 15-35%	0.98	Slopes > 7%	1.00
				Permeability .6-2"/hr (some seepage)	0.50
Wardcreek	25	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.96	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Depth to bedrock from 20-60"	0.96
Melody	20	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
		Seepage	0.50	Permeability > 2"/hr (seepage)	1.00
Meiss	5	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.05	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Rock outcrop	5	Not rated		Not rated	
Rubble land	5	Not rated		Not rated	
Sky	5	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.98	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.98

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9401:					
Dagget very gravelly loamy coarse sand	75	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.32	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Temo	5	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Witefels	4	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Thin layer	0.66	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.66
Jobsis	3	Limitations		Limitations	
		Thin layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Slopes > 7%	1.00
Rock outcrop	3	Not rated		Not rated	
Whittell	3	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.79	Depth to bedrock from 20-60"	0.79
Cagwin	2	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Cassenai, moist	2	No limitations		Limitations	
		Fragments (>3") 15-35%	0.02	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Toem	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9401:					
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
9402:					
Dagget very gravelly loamy coarse sand	75	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.32	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Temo	5	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Witefels	4	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Thin layer	0.66	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.66
Jobsis	3	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Rock outcrop	3	Not rated		Not rated	
Whittell	3	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.79	Depth to bedrock from 20-60"	0.79
Cagwin	2	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Cassenai, moist	2	No limitations		Limitations	
		Fragments (>3") 15-35%	0.02	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9402:					
Toem	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
9403:					
Dagget very gravelly loamy coarse sand	75	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.32	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Temo	5	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Witefels	4	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Thin layer	0.66	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.66
Jobsis	3	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Rock outcrop	3	Not rated		Not rated	
Whittell	3	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.79	Depth to bedrock from 20-60"	0.79
Cagwin	2	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9403:					
Cassenai, moist	2	No limitations		Limitations	
		Fragments (>3") 15-35%	0.02	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Toem	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
9404:					
Dagget, moist	80	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.47	Slopes > 7%	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Cassenai, moist	5	No limitations		Limitations	
		Fragments (>3") 15-35%	0.02	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Rockbound very gravelly loam	5	Limitations		Limitations	
		Thin layer	1.00	Depth to bedrock < 20"	1.00
				Slopes > 7%	1.00
Jobsis	2	Limitations		Limitations	
		Thin layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Slopes > 7%	1.00
Oxyaquic Cryorthents	2	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
Temo	2	Limitations		Limitations	
		Thin layer	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9404:					
Whittell	2	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.79	Depth to bedrock from 20-60"	0.79
Witefels	2	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.66	Slopes > 7%	1.00
				Depth to bedrock from 20-60"	0.66
9405:					
Dagget, moist	80	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.47	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Cassenai, moist	5	No limitations		Limitations	
		Fragments (>3") 15-35%	0.02	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Rockbound very gravelly loam	5	Limitations		Limitations	
		Thin layer	1.00	Depth to bedrock < 20"	1.00
				Slopes > 7%	1.00
Jobsis	2	Limitations		Limitations	
		Thin layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Slopes > 7%	1.00
Oxyaquic Cryorthents	2	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
Temo	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Whittell	2	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Thin layer	0.79	Depth to bedrock from 20-60"	0.79

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9405:					
Witefels	2	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Thin layer	0.66	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.66
9406:					
Dagget, moist	80	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.47	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Cassenai, moist	5	No limitations		Limitations	
		Fragments (>3") 15-35%	0.02	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Rockbound very stony loam	5	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") > 35%	1.00	Depth to bedrock < 20"	1.00
Jobsis	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Oxyaquic Cryorthents	2	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
Temo	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Whittell	2	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.79	Depth to bedrock from 20-60"	0.79
Witefels	2	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Thin layer	0.66	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.66

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9407:					
Dagget, moist	55	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.47	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Rock outcrop, granitic	25	Not rated		Not rated	
Temo	5	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Witefels	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Thin layer	0.66	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.66
Whittell	4	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.79	Depth to bedrock from 20-60"	0.79
Cassenai, moist	2	No limitations		Limitations	
		Fragments (>3") 15-35%	0.02	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Jobsis	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Oxyaquic Cryorthents	2	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
9411:					
Freelpeak	50	Limitations		Limitations	
		Fragments (>3") > 35%	0.99	Slopes > 7%	1.00
		Thin layer	0.66	Permeability > 2"/hr (seepage)	1.00
		Seepage	0.50	Depth to bedrock from 20-60"	0.66

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9411:					
Windyridge	25	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
Rock outcrop	10	Not rated		Not rated	
Jobsis	8	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Whittell	3	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.79	Depth to bedrock from 20-60"	0.79
Waterpeak	2	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Buggin	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
		Fragments (>3") 15-35%	0.60		
Glaciers	1	Not rated		Not rated	
9421:					
Jobsis	45	Limitations		Limitations	
		Thin layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Slopes > 7%	1.00
Whittell	25	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage	1.00	Slopes > 7%	1.00
		Thin layer	0.79	Depth to bedrock from 20-60"	0.79
Rock outcrop	15	Not rated		Not rated	

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9421:					
Typic Cryorthents, 8 to 30 percent slopes	4	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.46	Slopes > 7%	1.00
				Depth to bedrock from 20-60"	0.46
Windyridge	4	Limitations		Limitations	
		Thin layer	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00	Slopes > 7%	1.00
Klauspeak	2	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.86	Permeability > 2"/hr (seepage)	1.00
Shalgran	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
Buggin	1	Limitations		Limitations	
		Thin layer	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.60		
Typic Cryorthents, 4 to 30 percent slopes	1	Limitations		Limitations	
		Thin layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Slopes > 7%	1.00
Waterpeak	1	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
9431:					
Sofgran	40	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.07	Permeability > 2"/hr (seepage)	1.00
Klauspeak	30	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.83	Permeability > 2"/hr (seepage)	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9431:					
Temo	15	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Rock outcrop	4	Not rated		Not rated	
Shalgran	4	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
Xeric Humicryepts	3	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.09	Permeability > 2"/hr (seepage)	1.00
Stumpatil	2	Limitations		Limitations	
		Fragments (>3") 15-35%	0.48	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Aquic Haplocryolls	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Fragments (>3") 15-35%	0.55	Slopes > 7%	1.00
		Saturation between 2-4'	0.53		
Hopeval	1	Limitations		Limitations	
		Saturation < 2' depth	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes 2 to 7%	0.31
9441:					
Temo	45	Limitations		Limitations	
		Thin layer	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
Witefels	35	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.66	Slopes > 7%	1.00
				Depth to bedrock from 20-60"	0.66
Rock outcrop	10	Not rated		Not rated	

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9441:					
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.32	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Cagwin	4	Limitations		Limitations	
		Thin layer	0.93	Permeability > 2"/hr (seepage)	1.00
				Slopes > 7%	1.00
				Depth to bedrock from 20-60"	0.93
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
9442:					
Temo	45	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Witefels	35	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Thin layer	0.66	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.66
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.32	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Cagwin	4	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9443:					
Temo	45	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Witefels	35	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Thin layer	0.66	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.66
Rock outcrop	10	Not rated		Not rated	
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.32	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Cagwin	4	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
9444:					
Temo	45	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Permeability > 2"/hr (seepage)	1.00
Witefels	35	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Thin layer	0.66	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.66
Rock outcrop	10	Not rated		Not rated	

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9444:					
Dagget very gravelly loamy coarse sand	5	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.32	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.12	Depth to bedrock from 20-60"	0.12
Cagwin	4	Limitations		Limitations	
		Thin layer	0.93	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.93
Oxyaquic Cryorthents	1	Limitations		Limitations	
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Saturation between 2-4'	0.89	Slopes > 7%	1.00
9451:					
Waterpeak	80	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
Rock outcrop	10	Not rated		Not rated	
Shalgran	4	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
Typic Cryorthents	4	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Thin layer	0.46	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock from 20-60"	0.46
Pachic Haplocryolls	2	Limitations		Limitations	
		Fragments (>3") 15-35%	0.25	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00
9461:					
Whittell	45	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
		Thin layer	0.79	Depth to bedrock from 20-60"	0.79

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
9461:					
Jobsis	25	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Rock outcrop	15	Not rated		Not rated	
Jobsis, 8 to 30 percent slopes	4	Limitations		Limitations	
		Thin layer	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
				Slopes > 7%	1.00
Windyridge	4	Limitations		Limitations	
		Thin layer	1.00	Depth to bedrock < 20"	1.00
		Seepage	1.00	Slopes > 7%	1.00
Klauspeak	2	Limitations		Limitations	
		Seepage	1.00	Slopes > 7%	1.00
		Fragments (>3") 15-35%	0.86	Permeability > 2"/hr (seepage)	1.00
Shalgran	2	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Fragments (>3") > 35%	1.00	Permeability > 2"/hr (seepage)	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
Buggin	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Depth to bedrock < 20"	1.00
		Fragments (>3") 15-35%	0.60		
Typic Cryorthents	1	Limitations		Limitations	
		Thin layer	1.00	Slopes > 7%	1.00
		Seepage	1.00	Permeability > 2"/hr (seepage)	1.00
				Depth to bedrock < 20"	1.00
Waterpeak	1	Limitations		Limitations	
		Fragments (>3") > 35%	1.00	Slopes > 7%	1.00
				Permeability > 2"/hr (seepage)	1.00

Table 19a.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Embankments, dikes, and levees		Pond reservoir areas	
		Limitations	Value	Limitations	Value
W:					
Water	100	Not rated		Not rated	

The interpretation for embankments, dikes, and levees evaluates the following soil properties at variable depths in the soil: ponding; wetness; depth to a restrictive layer; fragments more than 3 inches in size; salinity (EC); Unified classes for a high content of organic matter (PT, OL, and OH); Unified classes that are hard to pack (MH and CH); permeability that is too rapid, allowing seepage; piping as determined by Atterberg limits of liquid limit (LL) and plasticity index (PI); sodium content (SAR); and gypsum content.

The interpretation for pond reservoir areas evaluates the following soil properties at variable depths in the soil: slope, depth to hard or soft bedrock, depth to a cemented pan, marly textures, gypsum content, and permeability that is too rapid, allowing seepage.

Table 19b.--Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. The rating is based on the limitation with the highest value. Only the five highest value limitations are listed. There may be other limitations. An explanation of the rating criteria and of the abbreviations used in describing the limitations is given at the end of the table)

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7011:							
Beaches	64	Not rated		Not rated		Not rated	
Oxyaquic Xeropsamments	10	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Saturation < 2' depth	1.00	Sandy textures in surface layer	1.00
		Saturation < 24" depth during growing season	1.00			Seepage	1.00
		WEG = 1 or 2	1.00			Saturation < 24" depth during growing season	1.00
Watah	7	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
Gefo	6	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
Marla	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
Cagwin	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.99			Slopes > 2%	1.00
Cassenai	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Slopes > 2%	1.00
Dunes	1	Not rated		Not rated		Not rated	

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7011:							
Jorge	1	Limitations		No limitations		Limitations	
		AWC from 2 - 6"	0.56			Slopes > 2%	1.00
		Slopes 6 to 15%	0.22			AWC from 2 - 6"	0.56
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
						Seepage	0.10
Tahoma	1	Limitations		No limitations		Limitations	
		Fragments (>3") > 25%	0.50			Fragments (>3") > 10%	1.00
		Slopes 6 to 15%	0.22			Slopes > 2%	1.00
Toem	1	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
7021:							
Hellhole	80	Not rated		Limitations		Limitations	
				Ponding (any duration)	1.00	Ponding (any duration)	1.00
				Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
						Seepage	0.10
Bidart	10	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
Watah	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
Water	5	Not rated		Not rated		Not rated	
7031:							
Pits	45	Not rated		Not rated		Not rated	
Dumps	45	Not rated		Not rated		Not rated	
Arents	5	Not rated		Not rated		Not rated	
Xerorthents	5	Not rated		Not rated		Not rated	

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7041:							
Tahoe silt loam-----	55	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
						Seepage	0.10
Tahoe silt loam, wet	25	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
Marla-----------	10	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
Tahoe, gravelly-----	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00
Watah-----------	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
7042:							
Tahoe, gravelly-----	55	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7042:							
Tahoe, gravelly, wet	25	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
Marla	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
Riverwash	5	Not rated		Not rated		Not rated	
Tahoe silt loam	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
						Seepage	0.10
Watah	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
7043:							
Tahoe, drained	80	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			AWC from 2 - 6"	0.22
Marla	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7043:							
Tahoe, gravelly-----	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00
Tahoe silt loam, wet	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
Watah----------	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
7051:							
Oxyaquic Xerorthents	60	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Water----------	38	Not rated		Not rated		Not rated	
Marla----------	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
Watah----------	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
7061:							
Urban land----------	100	Not rated		Not rated		Not rated	

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7071:							
Watah	75	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
Tahoe, gravelly, wet	9	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
Tahoe silt loam, wet	8	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
Marla	3	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
Bidart	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
Water	2	Not rated		Not rated		Not rated	
Hellhole	1	Not rated		Limitations		Limitations	
				Ponding (any duration)	1.00	Ponding (any duration)	1.00
				Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
						Seepage	0.10

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7101:							
Caverock	80	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.98			Bedrock (soft) < 40" depth	0.98
		AWC from 2 - 6"	0.95			AWC from 2 - 6"	0.95
Cagwin	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cassenai	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Deerhill	3	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
Genoapeak	2	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Southcamp	2	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Zephyrcove	2	Limitations		No limitations		Limitations	
		Bedrock (soft) < 40" depth	1.00			Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Fragments (>3") > 10%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
7111:							
Deerhill	80	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cassenai	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7111:							
Cagwin	3	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Shakespeare	3	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.56			Fragments (>3") > 10%	1.00
						AWC from 2 - 6"	0.56
Southcamp	3	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Zephyrcove	3	Limitations		No limitations		Limitations	
		Bedrock (soft) < 40" depth	1.00			Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Fragments (>3") > 10%	1.00
Genoapeak	2	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
7112:							
Deerhill	80	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cassenai	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cagwin	3	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Shakespeare	3	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.56			Fragments (>3") > 10%	1.00
						AWC from 2 - 6"	0.56

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7112:							
Southcamp	3	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Zephyrcove	3	Limitations		No limitations		Limitations	
		Bedrock (soft) < 40" depth	1.00			Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Fragments (>3") > 10%	1.00
Genoapeak	2	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
7121:							
Ellispeak	45	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Rock outcrop	40	Not rated		Not rated		Not rated	
Waca	10	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.91			Fragments (>3") > 10%	1.00
Kneeridge	2	Limitations		No limitations		Limitations	
		Slopes 6 to 15%	0.40			Slopes > 2%	1.00
Paige	2	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
Tahoe	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7122:							
Ellispeak	45	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations Depth to bedrock (hard) < 40" Fragments (>3") > 10% AWC < 2" to 40"	 1.00 1.00 1.00
Rock outcrop	40	Not rated		Not rated		Not rated	
Waca	10	Limitations AWC < 2" to 40" Slopes > 15% Bedrock (soft) < 40" depth	 1.00 1.00 0.91	No limitations		Limitations AWC < 2" to 40" Slopes > 2% Fragments (>3") > 10%	 1.00 1.00 1.00
Kneeridge	3	Limitations Slopes 6 to 15%	 0.40	No limitations		Limitations Slopes > 2%	 1.00
Aquic Xerorthents	1	Limitations Flooding >= frequent in growing season AWC from 2 - 6" Saturation between 24-36" during growing season	 1.00 0.84 0.63	Limitations Flooding >= frequent in growing season	 1.00	Limitations Flooding >= frequent in growing season Slopes > 2% AWC from 2 - 6"	 1.00 1.00 0.84
Paige	1	Limitations Slopes > 15%	 1.00	No limitations		Limitations Slopes > 2%	 1.00
7123:							
Ellispeak	45	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations Depth to bedrock (hard) < 40" Fragments (>3") > 10% AWC < 2" to 40"	 1.00 1.00 1.00
Rock outcrop	40	Not rated		Not rated		Not rated	
Waca	10	Limitations AWC < 2" to 40" Slopes > 15% Bedrock (soft) < 40" depth	 1.00 1.00 0.91	No limitations		Limitations AWC < 2" to 40" Slopes > 2% Fragments (>3") > 10%	 1.00 1.00 1.00
Kneeridge	3	Limitations Slopes 6 to 15%	 0.40	No limitations		Limitations Slopes > 2%	 1.00
Aquic Xerorthents	1	Limitations Flooding >= frequent in growing season AWC from 2 - 6" Saturation between 24-36" during growing season	 1.00 0.84 0.63	Limitations Flooding >= frequent in growing season	 1.00	Limitations Flooding >= frequent in growing season Slopes > 2% AWC from 2 - 6"	 1.00 1.00 0.84

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7123:							
Paige	1	Limitations Slopes > 15%	 1.00	No limitations		Limitations Slopes > 2%	 1.00
7131:							
Ellispeak	45	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations Depth to bedrock (hard) < 40" Fragments (>3") > 10% AWC < 2" to 40"	 1.00 1.00 1.00
Waca	40	Limitations AWC < 2" to 40" Slopes > 15% Bedrock (soft) < 40" depth	 1.00 1.00 0.91	No limitations		Limitations AWC < 2" to 40" Slopes > 2% Fragments (>3") > 10%	 1.00 1.00 1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Limitations AWC < 2" to 40" Slopes > 15%	 1.00 1.00	No limitations		Limitations AWC < 2" to 40" Slopes > 2% Fragments (>3") > 10%	 1.00 1.00 1.00
Aquic Xerorthents	1	Limitations Flooding >= frequent in growing season AWC from 2 - 6" Saturation between 24-36" during growing season	 1.00 0.84 0.63	Limitations Flooding >= frequent in growing season	 1.00	Limitations Flooding >= frequent in growing season Slopes > 2% AWC from 2 - 6"	 1.00 1.00 0.84
7132:							
Ellispeak	45	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations Depth to bedrock (hard) < 40" Fragments (>3") > 10% AWC < 2" to 40"	 1.00 1.00 1.00
Waca	40	Limitations AWC < 2" to 40" Slopes > 15% Bedrock (soft) < 40" depth	 1.00 1.00 0.91	No limitations		Limitations AWC < 2" to 40" Slopes > 2% Fragments (>3") > 10%	 1.00 1.00 1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Windy	4	Limitations AWC < 2" to 40" Slopes > 15%	 1.00 1.00	No limitations		Limitations AWC < 2" to 40" Slopes > 2% Fragments (>3") > 10%	 1.00 1.00 1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7132:							
Aquic Xerorthents---	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
7133:							
Ellispeak----------	45	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Waca----------	40	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.91			Fragments (>3") > 10%	1.00
Rock outcrop--------	10	Not rated		Not rated		Not rated	
Windy----------	4	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Fragments (>3") > 10%	1.00
Aquic Xerorthents---	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
7141:							
Inville----------	80	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Fragments (>3") > 25%	0.50			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Christopher----------	10	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC from 2 - 6"	0.67			Slopes > 2%	1.00
						AWC from 2 - 6"	0.67
Cassenai----------	4	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7141:							
Jorge	3	Limitations		No limitations		Limitations	
		AWC from 2 - 6"	0.56			Slopes > 2%	1.00
		Slopes 6 to 15%	0.22			AWC from 2 - 6"	0.56
Kingsbeach	2	No limitations		No limitations		Limitations	
						Slopes > 2%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
7142:							
Inville	80	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes 6 to 15%	0.78			Slopes > 2%	1.00
		Fragments (>3") > 25%	0.50			AWC < 2" to 40"	1.00
Cassenai	10	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Slopes > 2%	1.00
Christopher	4	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Jorge	3	Limitations		No limitations		Limitations	
		AWC from 2 - 6"	0.56			Slopes > 2%	1.00
		Slopes 6 to 15%	0.22			AWC from 2 - 6"	0.56
Meeks	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Fragments (>3") > 25%	0.50			Fragments (>3") > 10%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7143:							
Inville	80	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00
		Fragments (>3") > 25%	0.50			AWC < 2" to 40"	1.00
Cassenai	10	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Christopher	4	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Jorge	3	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.56			AWC from 2 - 6"	0.56
Meeks	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
7151:							
Jorge very cobbly fine sandy loam	80	Limitations		No limitations		Limitations	
		AWC from 2 - 6"	0.80			Fragments (>3") > 10%	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
		Slopes 6 to 15%	0.40			AWC from 2 - 6"	0.80
Tahoma	5	Limitations		No limitations		Limitations	
		Fragments (>3") > 25%	0.50			Fragments (>3") > 10%	1.00
		Slopes 6 to 15%	0.22			Slopes > 2%	1.00
Waca	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.91			Fragments (>3") > 10%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7151:							
Jorge very cobbly loam	4	Limitations		No limitations		Limitations	
		AWC from 2 - 6"	0.88			Fragments (>3") > 10%	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
		Slopes 6 to 15%	0.22			AWC from 2 - 6"	0.88
Ellispeak	2	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Sky	2	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.97			Slopes > 2%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
Rock outcrop	1	Not rated		Not rated		Not rated	
7152:							
Jorge very cobbly fine sandy loam	80	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		AWC from 2 - 6"	0.80			Slopes > 2%	1.00
		Fragments (>3") > 25%	0.50			AWC from 2 - 6"	0.80
Tahoma	5	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Waca	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.91			Fragments (>3") > 10%	1.00
Jorge very cobbly loam	4	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		AWC from 2 - 6"	0.88			Slopes > 2%	1.00
		Fragments (>3") > 25%	0.50			AWC from 2 - 6"	0.88

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7152:							
Ellispeak	2	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations Depth to bedrock (hard) < 40" Fragments (>3") > 10% AWC < 2" to 40"	 1.00 1.00 1.00
Sky	2	Limitations AWC < 2" to 40" Slopes > 15% Bedrock (soft) < 40" depth	 1.00 1.00 0.97	No limitations		Limitations Fragments (>3") > 10% AWC < 2" to 40" Slopes > 2%	 1.00 1.00 1.00
Aquic Xerorthents	1	Limitations Flooding >= frequent in growing season AWC from 2 - 6" Saturation between 24-36" during growing season	 1.00 0.84 0.63	Limitations Flooding >= frequent in growing season	 1.00	Limitations Flooding >= frequent in growing season Slopes > 2% AWC from 2 - 6"	 1.00 1.00 0.84
Rock outcrop	1	Not rated		Not rated		Not rated	
7153:							
Jorge very cobbly fine sandy loam	80	Limitations Slopes > 15% AWC from 2 - 6" Fragments (>3") > 25%	 1.00 0.80 0.50	No limitations		Limitations Fragments (>3") > 10% Slopes > 2% AWC from 2 - 6"	 1.00 1.00 0.80
Tahoma	5	Limitations Slopes > 15% Fragments (>3") > 25%	 1.00 0.50	No limitations		Limitations Fragments (>3") > 10% Slopes > 2%	 1.00 1.00
Waca	5	Limitations AWC < 2" to 40" Slopes > 15% Bedrock (soft) < 40" depth	 1.00 1.00 0.91	No limitations		Limitations AWC < 2" to 40" Slopes > 2% Fragments (>3") > 10%	 1.00 1.00 1.00
Jorge very cobbly loam	4	Limitations Slopes > 15% AWC from 2 - 6" Fragments (>3") > 25%	 1.00 0.88 0.50	No limitations		Limitations Fragments (>3") > 10% Slopes > 2% AWC from 2 - 6"	 1.00 1.00 0.88
Ellispeak	2	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations Depth to bedrock (hard) < 40" Fragments (>3") > 10% AWC < 2" to 40"	 1.00 1.00 1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7153:							
Sky	2	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.97			Slopes > 2%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
Rock outcrop	1	Not rated		Not rated		Not rated	
7154:							
Jorge	75	Limitations		No limitations		Limitations	
		AWC from 2 - 6"	0.88			Fragments (>3") > 10%	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
		Slopes 6 to 15%	0.22			AWC from 2 - 6"	0.88
Rubble land	10	Not rated		Not rated		Not rated	
Tahoma	5	Limitations		No limitations		Limitations	
		Fragments (>3") > 25%	0.50			Fragments (>3") > 10%	1.00
		Slopes 6 to 15%	0.22			Slopes > 2%	1.00
Ellispeak	3	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Waca	3	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.91			Fragments (>3") > 10%	1.00
Tahoe	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7155:							
Jorge	75	Limitations Slopes > 15% AWC from 2 - 6" Fragments (>3") > 25%	 1.00 0.88 0.50	No limitations		Limitations Fragments (>3") > 10% Slopes > 2% AWC from 2 - 6"	 1.00 1.00 0.88
Rubble land	10	Not rated		Not rated		Not rated	
Tahoma	5	Limitations Slopes > 15% Fragments (>3") > 25%	 1.00 0.50	No limitations		Limitations Fragments (>3") > 10% Slopes > 2%	 1.00 1.00
Ellispeak	3	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations Depth to bedrock (hard) < 40" Fragments (>3") > 10% AWC < 2" to 40"	 1.00 1.00 1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Waca	3	Limitations AWC < 2" to 40" Slopes > 15% Bedrock (soft) < 40" depth	 1.00 1.00 0.91	No limitations		Limitations AWC < 2" to 40" Slopes > 2% Fragments (>3") > 10%	 1.00 1.00 1.00
Tahoe	1	Limitations Ponding (any duration) Saturation < 24" depth during growing season AWC from 2 - 6"	 1.00 1.00 0.22	Limitations Ponding (any duration) Saturation < 2' depth	 1.00 1.00	Limitations Ponding (any duration) Saturation < 24" depth during growing season Slopes > 2%	 1.00 1.00 1.00
7156:							
Jorge	45	Limitations Slopes > 15% AWC from 2 - 6"	 1.00 0.56	No limitations		Limitations Slopes > 2% AWC from 2 - 6"	 1.00 0.56
Tahoma	35	Limitations Slopes > 15% Fragments (>3") > 25%	 1.00 0.50	No limitations		Limitations Fragments (>3") > 10% Slopes > 2%	 1.00 1.00
Waca	10	Limitations AWC < 2" to 40" Slopes > 15% Bedrock (soft) < 40" depth	 1.00 1.00 0.91	No limitations		Limitations AWC < 2" to 40" Slopes > 2% Fragments (>3") > 10%	 1.00 1.00 1.00
Inville	5	Limitations Slopes > 15% AWC < 2" to 40" Fragments (>3") > 25%	 1.00 1.00 0.50	No limitations		Limitations Fragments (>3") > 10% Slopes > 2% AWC < 2" to 40"	 1.00 1.00 1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7156:							
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00
7157:							
Jorge	55	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.56			AWC from 2 - 6"	0.56
Tahoma	25	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Waca	10	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.91			Fragments (>3") > 10%	1.00
Inville	5	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00
		Fragments (>3") > 25%	0.50			AWC < 2" to 40"	1.00
Rubble land	2	Not rated		Not rated		Not rated	
Ellispeak	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
Tahoe	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7161:							
Kingsbeach	80	No limitations		No limitations		Limitations Slopes > 2%	 1.00
Tahoma	10	Limitations Fragments (>3") > 25% Slopes 6 to 15%	 0.50 0.22	No limitations		Limitations Fragments (>3") > 10% Slopes > 2%	 1.00 1.00
Jorge	8	Limitations AWC from 2 - 6" Slopes 6 to 15%	 0.56 0.22	No limitations		Limitations Slopes > 2% AWC from 2 - 6"	 1.00 0.56
Beaches	1	Not rated		Not rated		Not rated	
Dunes	1	Not rated		Not rated		Not rated	
7171:							
Kneeridge	80	No limitations		No limitations		Limitations Slopes > 2%	 1.00
Jorge	9	Limitations AWC from 2 - 6" Slopes 6 to 15%	 0.56 0.22	No limitations		Limitations Slopes > 2% AWC from 2 - 6"	 1.00 0.56
Paige	5	Limitations Slopes 6 to 15%	 0.40	No limitations		Limitations Slopes > 2%	 1.00
Waca	5	Limitations AWC < 2" to 40" Slopes > 15% Bedrock (soft) < 40" depth	 1.00 1.00 0.91	No limitations		Limitations AWC < 2" to 40" Slopes > 2% Fragments (>3") > 10%	 1.00 1.00 1.00
Tahoe	1	Limitations Ponding (any duration) Saturation < 24" depth during growing season AWC from 2 - 6"	 1.00 1.00 0.22	Limitations Ponding (any duration) Saturation < 2' depth	 1.00 1.00	Limitations Ponding (any duration) Saturation < 24" depth during growing season Slopes > 2%	 1.00 1.00 1.00
7172:							
Kneeridge	80	Limitations Slopes 6 to 15%	 0.40	No limitations		Limitations Slopes > 2%	 1.00
Jorge	9	Limitations AWC from 2 - 6" Slopes 6 to 15%	 0.56 0.22	No limitations		Limitations Slopes > 2% AWC from 2 - 6"	 1.00 0.56
Paige	5	Limitations Slopes 6 to 15%	 0.40	No limitations		Limitations Slopes > 2%	 1.00
Waca	5	Limitations AWC < 2" to 40" Slopes > 15% Bedrock (soft) < 40" depth	 1.00 1.00 0.91	No limitations		Limitations AWC < 2" to 40" Slopes > 2% Fragments (>3") > 10%	 1.00 1.00 1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7172:							
Tahoe	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00
7173:							
Kneeridge	80	No limitations		No limitations		Limitations	
						Slopes > 2%	1.00
Jorge	9	Limitations		No limitations		Limitations	
		AWC from 2 - 6"	0.56			Slopes > 2%	1.00
		Slopes 6 to 15%	0.22			AWC from 2 - 6"	0.56
Paige	5	Limitations		No limitations		Limitations	
		Slopes 6 to 15%	0.40			Slopes > 2%	1.00
Waca	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.91			Fragments (>3") > 10%	1.00
Tahoe	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00
7174:							
Kneeridge	80	Limitations		No limitations		Limitations	
		Slopes 6 to 15%	0.40			Slopes > 2%	1.00
Jorge	9	Limitations		No limitations		Limitations	
		AWC from 2 - 6"	0.56			Slopes > 2%	1.00
		Slopes 6 to 15%	0.22			AWC from 2 - 6"	0.56
Paige	5	Limitations		No limitations		Limitations	
		Slopes 6 to 15%	0.40			Slopes > 2%	1.00
Waca	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.91			Fragments (>3") > 10%	1.00
Tahoe	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7181:							
Paige	80	Limitations		No limitations		Limitations	
		Slopes 6 to 15%	0.40			Slopes > 2%	1.00
Kneeridge	7	Limitations		No limitations		Limitations	
		Slopes 6 to 15%	0.40			Slopes > 2%	1.00
Jorge	6	Limitations		No limitations		Limitations	
		AWC from 2 - 6"	0.56			Slopes > 2%	1.00
		Slopes 6 to 15%	0.22			AWC from 2 - 6"	0.56
Tahoe	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00
Waca	2	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.91			Fragments (>3") > 10%	1.00
7182:							
Paige	80	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
Jorge	5	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.56			AWC from 2 - 6"	0.56
Tahoma	5	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Waca	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.91			Fragments (>3") > 10%	1.00
Kneeridge	4	Limitations		No limitations		Limitations	
		Slopes 6 to 15%	0.40			Slopes > 2%	1.00
Tahoe	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00
7183:							
Paige	84	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7183:							
Jorge	5	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.56			AWC from 2 - 6"	0.56
Tahoma	5	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Waca	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.91			Fragments (>3") > 10%	1.00
Tahoe	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00
7191:							
Rock outcrop	90	Not rated		Not rated		Not rated	
Glenalpine	2	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Lithnip	2	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Meiss	2	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Melody	2	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Rubble land	2	Not rated		Not rated		Not rated	
7201:							
Rubble land	45	Not rated		Not rated		Not rated	

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7201:							
Glenalpine----------	40	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Rock outcrop--------	10	Not rated		Not rated		Not rated	
Rockbound----------	5	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Seepage	1.00
		AWC < 2" to 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
7211:							
Southcamp----------	80	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Cassenai----------	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Genoapeak----------	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Zephyrcove----------	5	Limitations		No limitations		Limitations	
		Bedrock (soft) < 40" depth	1.00			Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Fragments (>3") > 10%	1.00
Cagwin----------	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Deerhill----------	2	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
Aquic Xerorthents---	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7221:							
Tahoma	80	Limitations Fragments (>3") > 25% Slopes 6 to 15%	 0.50 0.22	No limitations		Limitations Fragments (>3") > 10% Slopes > 2%	 1.00 1.00
Waca	10	Limitations AWC < 2" to 40" Slopes > 15% Bedrock (soft) < 40" depth	 1.00 1.00 0.91	No limitations		Limitations AWC < 2" to 40" Slopes > 2% Fragments (>3") > 10%	 1.00 1.00 1.00
Inville	4	Limitations AWC < 2" to 40" Slopes 6 to 15% Fragments (>3") > 25%	 1.00 0.78 0.50	No limitations		Limitations Fragments (>3") > 10% Slopes > 2% AWC < 2" to 40"	 1.00 1.00 1.00
Rubble land	3	Not rated		Not rated		Not rated	
Aquic Xerorthents	1	Limitations Flooding >= frequent in growing season AWC from 2 - 6" Saturation between 24-36" during growing season	 1.00 0.84 0.63	Limitations Flooding >= frequent in growing season	 1.00	Limitations Flooding >= frequent in growing season Slopes > 2% AWC from 2 - 6"	 1.00 1.00 0.84
Ellispeak	1	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations Depth to bedrock (hard) < 40" Fragments (>3") > 10% AWC < 2" to 40"	 1.00 1.00 1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
7222:							
Tahoma	50	Limitations Fragments (>3") > 25% Slopes 6 to 15%	 0.50 0.22	No limitations		Limitations Fragments (>3") > 10% Slopes > 2%	 1.00 1.00
Jorge	30	Limitations AWC from 2 - 6" Slopes 6 to 15%	 0.56 0.22	No limitations		Limitations Slopes > 2% AWC from 2 - 6"	 1.00 0.56
Waca	10	Limitations AWC < 2" to 40" Slopes > 15% Bedrock (soft) < 40" depth	 1.00 1.00 0.91	No limitations		Limitations AWC < 2" to 40" Slopes > 2% Fragments (>3") > 10%	 1.00 1.00 1.00
Inville	5	Limitations AWC < 2" to 40" Slopes 6 to 15% Fragments (>3") > 25%	 1.00 0.78 0.50	No limitations		Limitations Fragments (>3") > 10% Slopes > 2% AWC < 2" to 40"	 1.00 1.00 1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7222:							
Rubble land---	2	Not rated		Not rated		Not rated	
Ellispeak---	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Rock outcrop---	1	Not rated		Not rated		Not rated	
Tahoe---	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00
7231:							
Waca---	80	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.91			Fragments (>3") > 10%	1.00
Ellispeak---	5	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Rock outcrop---	5	Not rated		Not rated		Not rated	
Windy---	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Fragments (>3") > 10%	1.00
Kneeridge---	2	Limitations		No limitations		Limitations	
		Slopes 6 to 15%	0.40			Slopes > 2%	1.00
Paige---	2	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
Aquic Xerorthents---	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7232:							
Waca	80	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.91			Fragments (>3") > 10%	1.00
Ellispeak	5	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Rock outcrop	5	Not rated		Not rated		Not rated	
Windy	4	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Fragments (>3") > 10%	1.00
Kneeridge	2	Limitations		No limitations		Limitations	
		Slopes 6 to 15%	0.40			Slopes > 2%	1.00
Paige	2	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
Typic Epiaquents	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
7233:							
Waca	80	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.91			Fragments (>3") > 10%	1.00
Ellispeak	5	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7233:							
Rock outcrop--------	5	Not rated		Not rated		Not rated	
Windy----------	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Fragments (>3") > 10%	1.00
Kneeridge----------	2	Limitations		No limitations		Limitations	
		Slopes 6 to 15%	0.40			Slopes > 2%	1.00
Paige----------	2	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
Aquic Xerorthents---	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
7241:							
Zephyrcove----------	50	Limitations		No limitations		Limitations	
		Bedrock (soft) < 40" depth	1.00			Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Fragments (>3") > 10%	1.00
Southcamp----------	20	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Genoapeak----------	17	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Cagwin----------	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cassenai----------	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Deerhill----------	2	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7241:							
Aquic Xerorthents---	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
7242:							
Zephyrcove----------	50	Limitations		No limitations		Limitations	
		Bedrock (soft) < 40" depth	1.00			Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Fragments (>3") > 10%	1.00
Southcamp----------	20	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Genoapeak----------	17	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Cagwin--------------	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cassenai------------	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Deerhill------------	2	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
Aquic Xerorthents---	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
7401:							
Burnlake------------	60	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Seepage	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7401:							
Roadcat	25	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Hardtil	4	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
Aquic Haplocryolls	2	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Fragments (>3") > 25%	0.50			Seepage	1.00
Aspetill	2	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Fragments (>3") > 25%	0.50			AWC < 2" to 40"	1.00
Cumulic Cryaquolls	2	Limitations		Limitations		Limitations	
		AWC < 2" to 40"	1.00	Saturation < 2' depth	1.00	AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Fragments (>3") > 25%	0.50			Seepage	1.00
Stumpatil	2	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Fragments (>3") > 10%	1.00
Typic Haploxerepts	2	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
7411:							
Cagwin	50	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.99			Slopes > 2%	1.00
Rock outcrop	20	Not rated		Not rated		Not rated	
Cassenai	10	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7411:							
Toem	10	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Dagget	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Temo	2	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.96			Slopes > 2%	1.00
Witefels	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.99			Slopes > 2%	1.00
Marla	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
7412:							
Cagwin	50	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop	20	Not rated		Not rated		Not rated	
Cassenai	10	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Toem	10	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Dagget	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Temo	2	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7412:							
Witefels	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Marla	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
7413:							
Cagwin	50	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop	20	Not rated		Not rated		Not rated	
Cassenai	10	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Toem	10	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Dagget	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Temo	2	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Witefels	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Marla	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7414:							
Cagwin	50	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop	20	Not rated		Not rated		Not rated	
Cassenai	10	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Toem	10	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Dagget	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Temo	2	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Witefels	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Marla	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
7421:							
Cassenai	78	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Slopes > 2%	1.00
Cagwin	12	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.99			Slopes > 2%	1.00
Toem	4	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7421:							
Rock outcrop--------	3	Not rated		Not rated		Not rated	
Christopher gravelly loamy coarse sand--	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Christopher loamy coarse sand--------	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC from 2 - 6"	0.67			Slopes > 2%	1.00
						AWC from 2 - 6"	0.67
Marla----------	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
7422:							
Cassenai----------	73	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cagwin----------	12	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Dagget----------	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Toem----------	4	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Aquic Xerorthents---	2	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
Christopher---------	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop--------	2	Not rated		Not rated		Not rated	

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7423:							
Cassenai	78	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cagwin	12	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Toem	4	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Christopher	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
7424:							
Cassenai	78	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cagwin	12	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Toem	5	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop	4	Not rated		Not rated		Not rated	
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7425:							
Cassenai	80	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00
		Slopes 6 to 15%	0.40			AWC < 2" to 40"	1.00
Cagwin	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.99			Slopes > 2%	1.00
Meeks	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Fragments (>3") > 25%	0.50			Fragments (>3") > 10%	1.00
Tallac	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes 6 to 15%	0.02			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Rock outcrop	2	Not rated		Not rated		Not rated	
Toem	2	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Marla	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
7426:							
Cassenai	80	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
Cagwin	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Tallac	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7426:							
Meeks	4	Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	No limitations		Limitations Seepage WEG = 1 or 2 Fragments (>3") > 10%	 1.00 1.00 1.00
Rock outcrop	2	Not rated		Not rated		Not rated	
Toem	2	Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes > 2%	 1.00 1.00 1.00
Aquic Xerorthents	1	Limitations Flooding >= frequent in growing season AWC from 2 - 6" Saturation between 24-36" during growing season	 1.00 0.84 0.63	Limitations Flooding >= frequent in growing season	 1.00	Limitations Flooding >= frequent in growing season Slopes > 2% AWC from 2 - 6"	 1.00 1.00 0.84
Marla	1	Limitations Ponding (any duration) WEG = 1 or 2 Saturation < 24" depth during growing season	 1.00 1.00 1.00	Limitations Ponding (any duration) Saturation < 2' depth	 1.00 1.00	Limitations Ponding (any duration) WEG = 1 or 2 Saturation < 24" depth during growing season	 1.00 1.00 1.00
7427:							
Cassenai	80	Limitations WEG = 1 or 2 Slopes > 15% AWC < 2" to 40"	 1.00 1.00 1.00	No limitations		Limitations WEG = 1 or 2 Slopes > 2% AWC < 2" to 40"	 1.00 1.00 1.00
Cagwin	5	Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	No limitations		Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes > 2%	 1.00 1.00 1.00
Meeks	5	Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	No limitations		Limitations Seepage WEG = 1 or 2 Fragments (>3") > 10%	 1.00 1.00 1.00
Toem	5	Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes > 2%	 1.00 1.00 1.00
Rock outcrop	2	Not rated		Not rated		Not rated	

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7427:							
Tallac	2	Limitations AWC < 2" to 40" Slopes > 15%	 1.00 1.00	No limitations		Limitations Fragments (>3") > 10% AWC < 2" to 40" Slopes > 2%	 1.00 1.00 1.00
Aquic Xerorthents	1	Limitations Flooding >= frequent in growing season AWC from 2 - 6" Saturation between 24-36" during growing season	 1.00 0.84 0.63	Limitations Flooding >= frequent in growing season	 1.00	Limitations Flooding >= frequent in growing season Slopes > 2% AWC from 2 - 6"	 1.00 1.00 0.84
7428:							
Cassenai	80	Limitations WEG = 1 or 2 Slopes > 15% AWC < 2" to 40"	 1.00 1.00 1.00	No limitations		Limitations WEG = 1 or 2 Slopes > 2% AWC < 2" to 40"	 1.00 1.00 1.00
Cagwin	5	Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	No limitations		Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes > 2%	 1.00 1.00 1.00
Meeks	5	Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	No limitations		Limitations Seepage WEG = 1 or 2 Fragments (>3") > 10%	 1.00 1.00 1.00
Toem	5	Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes > 2%	 1.00 1.00 1.00
Rock outcrop	2	Not rated		Not rated		Not rated	
Tallac	2	Limitations AWC < 2" to 40" Slopes > 15%	 1.00 1.00	No limitations		Limitations Fragments (>3") > 10% AWC < 2" to 40" Slopes > 2%	 1.00 1.00 1.00
Aquic Xerorthents	1	Limitations Flooding >= frequent in growing season AWC from 2 - 6" Saturation between 24-36" during growing season	 1.00 0.84 0.63	Limitations Flooding >= frequent in growing season	 1.00	Limitations Flooding >= frequent in growing season Slopes > 2% AWC from 2 - 6"	 1.00 1.00 0.84

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7431:							
Celio	80	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Ponding (any duration)	1.00	Sandy textures in surface layer	1.00
		Ponding (any duration)	1.00	Saturation < 2' depth	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth (perched)	1.00	WEG = 1 or 2	1.00
Meeks	7	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Fragments (>3") > 25%	0.50			Fragments (>3") > 10%	1.00
Tahoe	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00
Marla	4	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
Watah	4	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
7441:							
Christopher	80	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC from 2 - 6"	0.67			Slopes > 2%	1.00
						AWC from 2 - 6"	0.67
Gefo	10	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
Jabu	5	Limitations		No limitations		Limitations	
		AWC from 2 - 6"	0.60			Slopes > 2%	1.00
						AWC from 2 - 6"	0.60

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7441:							
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
7442:							
Christopher	80	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.67			AWC from 2 - 6"	0.67
Gefo	10	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
Jabu	5	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.60			AWC from 2 - 6"	0.60
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00
		Slopes 6 to 15%	0.40			AWC < 2" to 40"	1.00
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
7443:							
Christopher	80	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Gefo	10	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7443:							
Jabu	5	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.60			AWC from 2 - 6"	0.60
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00
		Slopes 6 to 15%	0.40			AWC < 2" to 40"	1.00
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
7444:							
Christopher	45	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC from 2 - 6"	0.67			Slopes > 2%	1.00
						AWC from 2 - 6"	0.67
Gefo	35	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
Jabu	5	Limitations		No limitations		Limitations	
		AWC from 2 - 6"	0.60			Slopes > 2%	1.00
						AWC from 2 - 6"	0.60
Marla	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
Oneidas	5	Limitations		Limitations		Limitations	
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Ubaj	5	No limitations		No limitations		Limitations	
						Slopes > 2%	1.00
7451:							
Gefo	80	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7451:							
Christopher	10	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC from 2 - 6"	0.67			Slopes > 2%	1.00
						AWC from 2 - 6"	0.67
Jabu	5	Limitations		No limitations		Limitations	
		AWC from 2 - 6"	0.60			Slopes > 2%	1.00
						AWC from 2 - 6"	0.60
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
7452:							
Gefo	80	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
Christopher	10	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.67			AWC from 2 - 6"	0.67
Jabu	5	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.60			AWC from 2 - 6"	0.60
Oneidas	3	Limitations		Limitations		Limitations	
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00
		Slopes 6 to 15%	0.40			AWC < 2" to 40"	1.00
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
7461:							
Jabu	80	Limitations		No limitations		Limitations	
		AWC from 2 - 6"	0.60			Slopes > 2%	1.00
						AWC from 2 - 6"	0.60

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7461:							
Christopher	10	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC from 2 - 6"	0.67			Slopes > 2%	1.00
						AWC from 2 - 6"	0.67
Oneidas	5	Limitations		Limitations		Limitations	
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Gefo	3	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
7462:							
Jabu	80	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.60			AWC from 2 - 6"	0.60
Christopher	10	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.67			AWC from 2 - 6"	0.67
Oneidas	5	Limitations		Limitations		Limitations	
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00
		Slopes 6 to 15%	0.40			AWC < 2" to 40"	1.00
Gefo	3	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7471:							
Marla	80	Limitations Ponding (any duration) WEG = 1 or 2 Saturation < 24" depth during growing season	 1.00 1.00 1.00	Limitations Ponding (any duration) Saturation < 2' depth	 1.00 1.00	Limitations Ponding (any duration) WEG = 1 or 2 Saturation < 24" depth during growing season	 1.00 1.00 1.00
Christopher	4	Limitations WEG = 1 or 2 AWC from 2 - 6"	 1.00 0.67	No limitations		Limitations WEG = 1 or 2 Slopes > 2% AWC from 2 - 6"	 1.00 1.00 0.67
Gefo	4	Limitations Sandy textures in surface layer WEG = 1 or 2 AWC < 2" to 40"	 1.00 1.00 1.00	No limitations		Limitations Sandy textures in surface layer Seepage WEG = 1 or 2	 1.00 1.00 1.00
Tahoe	4	Limitations Ponding (any duration) Saturation < 24" depth during growing season	 1.00 1.00	Limitations Ponding (any duration) Saturation < 2' depth	 1.00 1.00	Limitations Ponding (any duration) Saturation < 24" depth during growing season Seepage	 1.00 1.00 0.10
Ubaj	4	No limitations		No limitations		Limitations Slopes > 2%	 1.00
Watah	4	Limitations Ponding (any duration) Flooding >= frequent in growing season Saturation < 24" depth during growing season	 1.00 1.00 1.00	Limitations Ponding (any duration) Flooding >= frequent in growing season Saturation < 2' depth	 1.00 1.00 1.00	Limitations Ponding (any duration) Flooding >= frequent in growing season Saturation < 24" depth during growing season	 1.00 1.00 1.00
7481:							
Meeks	85	Limitations WEG = 1 or 2 AWC < 2" to 40" Fragments (>3") > 25%	 1.00 1.00 0.50	No limitations		Limitations Seepage WEG = 1 or 2 Fragments (>3") > 10%	 1.00 1.00 1.00
Cassenai	5	Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes 6 to 15%	 1.00 1.00 0.40	No limitations		Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes > 2%	 1.00 1.00 1.00
Celio	5	Limitations Sandy textures in surface layer Ponding (any duration) WEG = 1 or 2	 1.00 1.00 1.00	Limitations Ponding (any duration) Saturation < 2' depth Saturation < 2' depth (perched)	 1.00 1.00 1.00	Limitations Sandy textures in surface layer Ponding (any duration) WEG = 1 or 2	 1.00 1.00 1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7481:							
Gefo	4	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
Tahoe	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00
7482:							
Meeks	80	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Fragments (>3") > 25%	0.50			Fragments (>3") > 10%	1.00
Cassenai	10	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Slopes > 2%	1.00
Oneidas	7	Limitations		Limitations		Limitations	
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00
		Slopes 6 to 15%	0.40			AWC < 2" to 40"	1.00
Celio	3	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Ponding (any duration)	1.00	Sandy textures in surface layer	1.00
		Ponding (any duration)	1.00	Saturation < 2' depth	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth (perched)	1.00	WEG = 1 or 2	1.00
7483:							
Meeks	85	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Fragments (>3") > 25%	0.50			Fragments (>3") > 10%	1.00
Cassenai	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Slopes > 2%	1.00
Celio	5	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Ponding (any duration)	1.00	Sandy textures in surface layer	1.00
		Ponding (any duration)	1.00	Saturation < 2' depth	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth (perched)	1.00	WEG = 1 or 2	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7483:							
Jabu	5	Limitations		No limitations		Limitations	
		AWC from 2 - 6"	0.60			Slopes > 2%	1.00
						AWC from 2 - 6"	0.60
7484:							
Meeks, extremely bouldery	80	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Fragments (>3") > 25%	0.50			Fragments (>3") > 10%	1.00
Burnlake	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Seepage	1.00
Meeks, rubbly	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Fragments (>3") > 25%	0.50			Fragments (>3") > 10%	1.00
Dagget	3	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes 6 to 15%	0.40			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Tallac	3	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes 6 to 15%	0.02			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Roadcat	2	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
Jabu	1	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.60			AWC from 2 - 6"	0.60

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7485:							
Meeks, extremely bouldery	80	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
Burnlake	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Seepage	1.00
Meeks, rubbly	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
Dagget	3	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Tallac	3	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Roadcat	2	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
Jabu	1	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.60			AWC from 2 - 6"	0.60
7486:							
Meeks, extremely bouldery	80	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7486:							
Burnlake	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Seepage	1.00
Meeks, rubbly	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
Dagget	3	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Tallac	3	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Roadcat	2	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
Jabu	1	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.60			AWC from 2 - 6"	0.60
7487:							
Meeks	80	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Fragments (>3") > 25%	0.50			Fragments (>3") > 10%	1.00
Burnlake	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Seepage	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7487:							
Rockbound	5	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
Roadcat	3	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cagwin	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.99			Slopes > 2%	1.00
Cassenai	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Slopes > 2%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
7488:							
Meeks	80	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
Burnlake	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Seepage	1.00
Rockbound	5	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7488:							
Roadcat	3	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cagwin	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cassenai	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
Rock outcrop	1	Not rated		Not rated		Not rated	
Rubble land	1	Not rated		Not rated		Not rated	
7489:							
Meeks	80	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
Burnlake	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Seepage	1.00
Rockbound	5	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Seepage	1.00
		AWC < 2" to 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
Roadcat	3	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cassenai	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7489:							
Aquic Xerorthents---	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
Cagwin---	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop---	1	Not rated		Not rated		Not rated	
Rubble land---	1	Not rated		Not rated		Not rated	
Toem---	1	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
7491:							
Oneidas---	80	Limitations		Limitations		Limitations	
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Jabu---	10	Limitations		No limitations		Limitations	
		AWC from 2 - 6"	0.60			Slopes > 2%	1.00
						AWC from 2 - 6"	0.60
Christopher---	3	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC from 2 - 6"	0.67			Slopes > 2%	1.00
						AWC from 2 - 6"	0.67
Meeks---	3	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Fragments (>3") > 25%	0.50			Fragments (>3") > 10%	1.00
Gefo---	2	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
Marla---	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7492:							
Oneidas	80	Limitations Saturation < 24" depth during growing season AWC < 2" to 40" Slopes 6 to 15%	 1.00 1.00 0.40	Limitations Saturation < 2' depth	 1.00	Limitations Saturation < 24" depth during growing season Slopes > 2% AWC < 2" to 40"	 1.00 1.00 1.00
Jabu	10	Limitations Slopes > 15% AWC from 2 - 6"	 1.00 0.60	No limitations		Limitations Slopes > 2% AWC from 2 - 6"	 1.00 0.60
Christopher	3	Limitations WEG = 1 or 2 Slopes > 15% AWC from 2 - 6"	 1.00 1.00 0.67	No limitations		Limitations WEG = 1 or 2 Slopes > 2% AWC from 2 - 6"	 1.00 1.00 0.67
Meeks	3	Limitations WEG = 1 or 2 AWC < 2" to 40" Fragments (>3") > 25%	 1.00 1.00 0.50	No limitations		Limitations Seepage WEG = 1 or 2 Fragments (>3") > 10%	 1.00 1.00 1.00
Gefo	2	Limitations Sandy textures in surface layer WEG = 1 or 2 AWC < 2" to 40"	 1.00 1.00 1.00	No limitations		Limitations Sandy textures in surface layer Seepage WEG = 1 or 2	 1.00 1.00 1.00
Marla	2	Limitations Ponding (any duration) WEG = 1 or 2 Saturation < 24" depth during growing season	 1.00 1.00 1.00	Limitations Ponding (any duration) Saturation < 2' depth	 1.00 1.00	Limitations Ponding (any duration) WEG = 1 or 2 Saturation < 24" depth during growing season	 1.00 1.00 1.00
7500:							
Rock outcrop	90	Not rated		Not rated		Not rated	
Rockbound	2	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations Seepage Depth to bedrock (hard) < 40" Fragments (>3") > 10%	 1.00 1.00 1.00
Rubble land	2	Not rated		Not rated		Not rated	
Toem	2	Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes > 2%	 1.00 1.00 1.00
Windyridge	2	Limitations Sandy textures in surface layer AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations Sandy textures in surface layer AWC < 2" to 40" Slopes > 2%	 1.00 1.00 1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7500:							
Freelpeak	1	Limitations		No limitations		Limitations	
		Bedrock (soft) < 40" depth	1.00			Bedrock (soft) < 40" depth	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Jobsis	1	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
7501:							
Rock outcrop	50	Not rated		Not rated		Not rated	
Rockbound	30	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
Dagget	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes 6 to 15%	0.40			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Meeks	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Fragments (>3") > 25%	0.50			Fragments (>3") > 10%	1.00
Temo	5	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.96			Slopes > 2%	1.00
Witefels	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.99			Slopes > 2%	1.00
7502:							
Rock outcrop	50	Not rated		Not rated		Not rated	
Rockbound	25	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Seepage	1.00
		AWC < 2" to 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7502:							
Dagget	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Glenalpine	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Rubble land	5	Not rated		Not rated		Not rated	
Temo	5	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Witefels	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
7511:							
Shalgran	70	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Rock outcrop	15	Not rated		Not rated		Not rated	
Sofgran	6	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Dystric Xerorthents	3	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.91			Slopes > 2%	1.00
Burnlake	2	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Seepage	1.00
Jobsis	2	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7511:							
Temo	2	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
7521:							
Tallac, very stony	75	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes 6 to 15%	0.02			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Tallac, rubbly	10	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Tallac, moderately well drained	9	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Meeks	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Fragments (>3") > 25%	0.50			Fragments (>3") > 10%	1.00
Aquic Xerorthents	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
7522:							
Tallac	85	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Meeks	10	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7522:							
Aquic Xerorthents---	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
Cagwin---	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cassenai---	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Dagget---	1	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Rockbound---	1	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
7523:							
Tallac---	85	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Meeks---	10	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
Aquic Xerorthents---	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7523:							
Cagwin	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cassenai	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Dagget	1	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Rockbound	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Seepage	1.00
						Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00				
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
7524:							
Tallac, moderately well drained	80	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Tallac, moderately well drained, 5 to 9 percent slopes	10	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes 6 to 15%	0.02				
						AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Meeks	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Fragments (>3") > 25%	0.50			Fragments (>3") > 10%	1.00
Callat	4	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00				
		Fragments (>3") > 25%	0.50			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Tahoe	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7525:							
Tallac, moderately well drained-------	80	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes 6 to 15%	0.02			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Tallac, moderately well drained, 0 to 5 percent slopes---	10	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Meeks----------	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Fragments (>3") > 25%	0.50			Fragments (>3") > 10%	1.00
Callat----------	4	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Tahoe----------	1	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00
7526:							
Tallac, rubbly------	85	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Tallac, moderately well drained-------	10	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes 6 to 15%	0.02			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Tallac, very stony--	4	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes 6 to 15%	0.02			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7526:							
Aquic Xerorthents---	1	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
7531:							
Toem----------	45	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop--------	40	Not rated		Not rated		Not rated	
Cagwin----------	10	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cassenai----------	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
7532:							
Toem----------	45	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop--------	40	Not rated		Not rated		Not rated	
Cagwin----------	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cassenai----------	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Dagget----------	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
7533:							
Toem----------	45	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop--------	40	Not rated		Not rated		Not rated	

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
7533:							
Cagwin	10	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cassenai	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
7541:							
Ubaj	80	No limitations		No limitations		Limitations	
						Slopes > 2%	1.00
Christopher	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC from 2 - 6"	0.67			Slopes > 2%	1.00
						AWC from 2 - 6"	0.67
Jabu	5	Limitations		No limitations		Limitations	
		AWC from 2 - 6"	0.60			Slopes > 2%	1.00
						AWC from 2 - 6"	0.60
Oneidas	5	Limitations		Limitations		Limitations	
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Gefo	3	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
Marla	2	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
9001:							
Bidart mucky silt loam	50	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
				Saturation < 2' depth	1.00		
Bidart, wet	30	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9001:							
Tahoe, gravelly-----	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00
Tahoe silt loam-----	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
						Seepage	0.10
Watah----------	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
Water----------	3	Not rated		Not rated		Not rated	
Hellhole----------	2	Not rated		Limitations		Limitations	
				Ponding (any duration)	1.00	Ponding (any duration)	1.00
				Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
						Seepage	0.10
9011:							
Oxyaquic Cryorthents	30	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
Aquic Xerorthents---	28	Limitations		Limitations		Limitations	
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		AWC from 2 - 6"	0.84			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.63			AWC from 2 - 6"	0.84
Tahoe----------	15	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
		AWC from 2 - 6"	0.22			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9011:							
Bidart	10	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
				Saturation < 2' depth	1.00		
Watah	10	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00	Flooding >= frequent in growing season	1.00
		Saturation < 24" depth during growing season	1.00	Saturation < 2' depth	1.00	Saturation < 24" depth during growing season	1.00
Marla	5	Limitations		Limitations		Limitations	
		Ponding (any duration)	1.00	Ponding (any duration)	1.00	Ponding (any duration)	1.00
		WEG = 1 or 2	1.00	Saturation < 2' depth	1.00	WEG = 1 or 2	1.00
		Saturation < 24" depth during growing season	1.00			Saturation < 24" depth during growing season	1.00
Riverwash	2	Not rated		Not rated		Not rated	
9101:							
Callat	82	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Glenalpine	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Meeks	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
Tallac	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Rock outcrop	2	Not rated		Not rated		Not rated	
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9102:							
Callat	82	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Glenalpine	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Meeks	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
Tallac	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
						Slopes > 2%	1.00
Rock outcrop	2	Not rated		Not rated		Not rated	
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
9111:							
Florand	40	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.80			Fragments (>3") > 10%	1.00
		Bedrock (soft) < 40" depth	0.18			AWC from 2 - 6"	0.80
Lostridge	30	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.99			Bedrock (soft) < 40" depth	0.99
Fishsnooze	15	Limitations		No limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Aquic Haplocryolls	3	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
		Slopes 6 to 15%	0.22			Seepage	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9111:							
Lithnip, moist	3	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Stumpatil	3	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Fragments (>3") > 10%	1.00
Lithnip	2	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Morscour	2	Limitations		Limitations		Limitations	
		AWC < 2" to 40"	1.00	Bedrock depth < 20"	1.00	AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.98			Fragments (>3") > 10%	1.00
Typic Cryaquolls	2	Limitations		Limitations		Limitations	
		AWC < 2" to 40"	1.00	Saturation < 2' depth	1.00	AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.47			Seepage	1.00
9121:							
Watsonlake	80	Limitations		No limitations		Limitations	
		AWC from 2 - 6"	0.54			Slopes > 2%	1.00
		Slopes 6 to 15%	0.40			Fragments (>3") > 10%	1.00
						AWC from 2 - 6"	0.54
Jorge	5	Limitations		No limitations		Limitations	
		AWC from 2 - 6"	0.80			Fragments (>3") > 10%	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
		Slopes 6 to 15%	0.40			AWC from 2 - 6"	0.80
Sky	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.97			Slopes > 2%	1.00
Tahoma	5	Limitations		No limitations		Limitations	
		Fragments (>3") > 25%	0.50			Fragments (>3") > 10%	1.00
		Slopes 6 to 15%	0.22			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9121:							
Waca	2	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.91			Fragments (>3") > 10%	1.00
Ellispeak	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
Rock outcrop	1	Not rated		Not rated		Not rated	
9122:							
Watsonlake	80	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.54			Fragments (>3") > 10%	1.00
						AWC from 2 - 6"	0.54
Jorge	5	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		AWC from 2 - 6"	0.80			Slopes > 2%	1.00
		Fragments (>3") > 25%	0.50			AWC from 2 - 6"	0.80
Tahoma	5	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Waca	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.91			Fragments (>3") > 10%	1.00
Sky	2	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.97			Slopes > 2%	1.00
Ellispeak	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9122:							
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
Rock outcrop--------	1	Not rated		Not rated		Not rated	
9123:							
Watsonlake----------	80	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.54			Fragments (>3") > 10%	1.00
						AWC from 2 - 6"	0.54
Jorge---------------	5	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		AWC from 2 - 6"	0.80			Slopes > 2%	1.00
		Fragments (>3") > 25%	0.50			AWC from 2 - 6"	0.80
Tahoma--------------	5	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		Fragments (>3") > 25%	0.50			Slopes > 2%	1.00
Waca----------------	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.91			Fragments (>3") > 10%	1.00
Sky-----------------	2	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.97			Slopes > 2%	1.00
Ellispeak-----------	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
Rock outcrop--------	1	Not rated		Not rated		Not rated	
9131:							
Lithnip-------------	40	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9131:							
Meiss	30	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Hawkinspeak	15	Limitations		No limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Lostridge	4	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Bedrock (soft) < 40" depth	0.99			Bedrock (soft) < 40" depth	0.99
Fishsnooze	3	Limitations		No limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Hawkinspeak, moist	2	Limitations		No limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Aspocket	1	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		AWC from 2 - 6"	0.75			Slopes > 2%	1.00
		Fragments (>3") > 25%	0.50			AWC from 2 - 6"	0.75
Hawkridge	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Typic Cryaquolls	1	Limitations		Limitations		Limitations	
		AWC < 2" to 40"	1.00	Saturation < 2' depth	1.00	AWC < 2" to 40"	1.00
		Saturation between 24-36" during growing season	0.47			Slopes > 2%	1.00
						Seepage	1.00
		Slopes 6 to 15%	0.40				

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9141:							
Melody	55	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations Depth to bedrock (hard) < 40" Fragments (>3") > 10% AWC < 2" to 40"	 1.00 1.00 1.00
Rock outcrop	25	Not rated		Not rated		Not rated	
Sky	10	Limitations AWC < 2" to 40" Slopes > 15% Bedrock (soft) < 40" depth	 1.00 1.00 0.97	No limitations		Limitations Fragments (>3") > 10% AWC < 2" to 40" Slopes > 2%	 1.00 1.00 1.00
Mountrose	5	Limitations Sandy textures in surface layer Slopes > 15% AWC < 2" to 40"	 1.00 1.00 1.00	No limitations		Limitations Sandy textures in surface layer Fragments (>3") > 10% Slopes > 2%	 1.00 1.00 1.00
Wardcreek	2	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	No limitations		Limitations Depth to bedrock (hard) < 40" Fragments (>3") > 10% AWC < 2" to 40"	 1.00 1.00 1.00
Lithnip	1	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 2%	 1.00 1.00 1.00
Meiss	1	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 2%	 1.00 1.00 1.00
Oxyaquic Cryorthents	1	Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes 6 to 15%	 1.00 1.00 0.40	No limitations		Limitations WEG = 1 or 2 AWC < 2" to 40" Seepage	 1.00 1.00 1.00
9142:							
Melody	55	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations Depth to bedrock (hard) < 40" Fragments (>3") > 10% AWC < 2" to 40"	 1.00 1.00 1.00
Rock outcrop	25	Not rated		Not rated		Not rated	

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9142:							
Sky	10	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.97			Slopes > 2%	1.00
Mountrose	5	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00
Wardcreek	2	Limitations		No limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
9143:							
Melody	55	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Rock outcrop	25	Not rated		Not rated		Not rated	
Sky	10	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.97			Slopes > 2%	1.00
Mountrose	5	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9143:							
Wardcreek	2	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	No limitations		Limitations Depth to bedrock (hard) < 40" Fragments (>3") > 10% AWC < 2" to 40"	 1.00 1.00 1.00
Lithnip	1	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 2%	 1.00 1.00 1.00
Meiss	1	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 2%	 1.00 1.00 1.00
Oxyaquic Cryorthents	1	Limitations WEG = 1 or 2 AWC < 2" to 40" Slopes 6 to 15%	 1.00 1.00 0.40	No limitations		Limitations WEG = 1 or 2 AWC < 2" to 40" Seepage	 1.00 1.00 1.00
9151:							
Shakespeare	80	Limitations Slopes > 15% AWC from 2 - 6"	 1.00 0.56	No limitations		Limitations Slopes > 2% Fragments (>3") > 10% AWC from 2 - 6"	 1.00 1.00 0.56
Deerhill	5	Limitations Slopes > 15%	 1.00	No limitations		Limitations Slopes > 2%	 1.00
Mountrose	4	Limitations Sandy textures in surface layer Slopes > 15% AWC < 2" to 40"	 1.00 1.00 1.00	No limitations		Limitations Sandy textures in surface layer Fragments (>3") > 10% Slopes > 2%	 1.00 1.00 1.00
Melody	3	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	Limitations Bedrock depth < 20"	 1.00	Limitations Depth to bedrock (hard) < 40" Fragments (>3") > 10% AWC < 2" to 40"	 1.00 1.00 1.00
Wardcreek	3	Limitations Depth to bedrock (hard) < 40" AWC < 2" to 40" Slopes > 15%	 1.00 1.00 1.00	No limitations		Limitations Depth to bedrock (hard) < 40" Fragments (>3") > 10% AWC < 2" to 40"	 1.00 1.00 1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9151:							
Dagget	2	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
Temo	1	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Witefels	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
9152:							
Shakespeare	80	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC from 2 - 6"	0.56			Fragments (>3") > 10%	1.00
						AWC from 2 - 6"	0.56
Deerhill	5	Limitations		No limitations		Limitations	
		Slopes > 15%	1.00			Slopes > 2%	1.00
Mountrose	4	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00
Melody	3	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Wardcreek	3	Limitations		No limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Dagget	2	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9152:							
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
Temo	1	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Witefels	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
9161:							
Sky	80	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.97			Slopes > 2%	1.00
Melody	10	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Mountrose	4	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00
Wardcreek	3	Limitations		No limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9162:							
Sky	80	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.97			Slopes > 2%	1.00
Melody	10	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Mountrose	4	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00
Wardcreek	3	Limitations		No limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
9163:							
Sky	80	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.97			Slopes > 2%	1.00
Melody	10	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9163:							
Mountrose	4	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00
Wardcreek	3	Limitations		No limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
9164:							
Sky	50	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.97			Slopes > 2%	1.00
Melody	40	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Mountrose	4	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00
Wardcreek	3	Limitations		No limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9164:							
Lithnip	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
9165:							
Sky	50	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.97			Slopes > 2%	1.00
Melody	40	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Mountrose	4	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00
Wardcreek	3	Limitations		No limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9165:							
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
9166:							
Sky	50	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.97			Slopes > 2%	1.00
Melody	40	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Mountrose	4	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00
Wardcreek	3	Limitations		No limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Lithnip	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Meiss	1	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
9171:							
Mountrose	35	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9171:							
Wardcreek	25	Limitations		No limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Melody	20	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Meiss	5	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop	5	Not rated		Not rated		Not rated	
Rubble land	5	Not rated		Not rated		Not rated	
Sky	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.97			Slopes > 2%	1.00
9401:							
Dagget	75	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Temo	5	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Witefels	4	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Jobsis	3	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9401:							
Whittell	3	Limitations		No limitations		Limitations	
		Bedrock (soft) < 40" depth	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
Cagwin	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cassenai	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
Toem	2	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
9402:							
Dagget	75	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Temo	5	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Witefels	4	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Jobsis	3	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Whittell	3	Limitations		No limitations		Limitations	
		Bedrock (soft) < 40" depth	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9402:							
Cagwin	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Cassenai	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
Toem	2	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
9403:							
Dagget	75	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Temo	5	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Witefels	4	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Jobsis	3	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop	3	Not rated		Not rated		Not rated	
Whittell	3	Limitations		No limitations		Limitations	
		Bedrock (soft) < 40" depth	1.00			Seepage	1.00
						Bedrock (soft) < 40" depth	1.00
		AWC < 2" to 40"	1.00				
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
Cagwin	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9403:							
Cassenai	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
Toem	2	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
9404:							
Dagget	80	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes 6 to 15%	0.40			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Cassenai	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			Slopes > 2%	1.00
		Slopes 6 to 15%	0.40			AWC < 2" to 40"	1.00
Rockbound	5	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
Jobsis	2	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Oxyaquic Cryorthents	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
Temo	2	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.96			Slopes > 2%	1.00
Whittell	2	Limitations		No limitations		Limitations	
		Bedrock (soft) < 40" depth	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9404:							
Witefels	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.99			Slopes > 2%	1.00
9405:							
Dagget	80	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Cassenai	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
Rockbound	5	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		Depth to bedrock (hard) < 40"	1.00			Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
Jobsis	2	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Oxyaquic Cryorthents	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
Temo	2	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Whittell	2	Limitations		No limitations		Limitations	
		Bedrock (soft) < 40" depth	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
Witefels	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
9406:							
Dagget	80	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9406:							
Cassenai	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
Rockbound	5	Limitations		Limitations		Limitations	
		Depth to bedrock (hard) < 40"	1.00	Bedrock depth < 20"	1.00	Seepage	1.00
						Depth to bedrock (hard) < 40"	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00				
Jobsis	2	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Oxyaquic Cryorthents	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
Temo	2	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Whittell	2	Limitations		No limitations		Limitations	
		Bedrock (soft) < 40" depth	1.00			Seepage	1.00
						Bedrock (soft) < 40" depth	1.00
		AWC < 2" to 40"	1.00				
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
Witefels	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
9407:							
Dagget	55	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Rock outcrop	25	Not rated		Not rated		Not rated	
Temo	5	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Witefels	5	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9407:							
Whittell	4	Limitations		No limitations		Limitations	
		Bedrock (soft) < 40" depth	1.00			Seepage	1.00
		AWC < 2" to 40"	1.00			Bedrock (soft) < 40" depth	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
Cassenai	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
Jobsis	2	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Oxyaquic Cryorthents	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
9411:							
Freelpeak	50	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.99			Slopes > 2%	1.00
Windyridge	25	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Jobsis	8	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Whittell	3	Limitations		No limitations		Limitations	
		Bedrock (soft) < 40" depth	1.00			Bedrock (soft) < 40" depth	1.00
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
Waterpeak	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9411:							
Buggin	1	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Glaciers	1	Not rated		Not rated		Not rated	
9421:							
Jobsis	45	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Whittell	25	Limitations		No limitations		Limitations	
		Bedrock (soft) < 40" depth	1.00			Bedrock (soft) < 40" depth	1.00
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
Rock outcrop	15	Not rated		Not rated		Not rated	
Typic Cryorthents, 8 to 30 percent slopes	4	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Windyridge	4	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Klauspeak	2	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
Shalgran	2	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Buggin	1	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9421:							
Typic Cryorthents, 4 to 30 percent slopes	1	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Waterpeak	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
9431:							
Sofgran	40	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Klauspeak	30	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
Temo	15	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop	4	Not rated		Not rated		Not rated	
Shalgran	4	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Xeric Humicryepts	3	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Stumpatil	2	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
						Fragments (>3") > 10%	1.00
Aquic Haplocryolls	1	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
		Fragments (>3") > 25%	0.50			Seepage	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9431:							
Hopeval	1	Limitations		Limitations		Limitations	
		Surface K factor >.32 and slopes > 2%	1.00	Saturation < 2' depth	1.00	Slopes > 2%	1.00
		Saturation between 24-36" during growing season	0.47			Saturation between 24-36" during growing season	0.47
		AWC from 2 - 6"	0.33			AWC from 2 - 6"	0.33
9441:							
Temo	45	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.96			Slopes > 2%	1.00
Witefels	35	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.99			Slopes > 2%	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Cagwin	4	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Bedrock (soft) < 40" depth	0.99			Slopes > 2%	1.00
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
9442:							
Temo	45	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Witefels	35	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9442:							
Cagwin	4	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
9443:							
Temo	45	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Witefels	35	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00
Cagwin	4	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
9444:							
Temo	45	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Witefels	35	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Dagget	5	Limitations		No limitations		Limitations	
		AWC < 2" to 40"	1.00			Seepage	1.00
		Slopes > 15%	1.00			Fragments (>3") > 10%	1.00
						AWC < 2" to 40"	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9444:							
Cagwin	4	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Oxyaquic Cryorthents	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes 6 to 15%	0.40			Seepage	1.00
9451:							
Waterpeak	80	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Rock outcrop	10	Not rated		Not rated		Not rated	
Shalgran	4	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Typic Cryorthents	4	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Pachic Haplocryolls	2	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
9461:							
Whittell	45	Limitations		No limitations		Limitations	
		Bedrock (soft) < 40" depth	1.00			Bedrock (soft) < 40" depth	1.00
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
Jobsis	25	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Rock outcrop	15	Not rated		Not rated		Not rated	
Jobsis, 8 to 30 percent slopes	4	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00

Table 19b.--Water Management--Continued

Map symbol and component name	Pct. of map unit	Sprinkler irrigation		Drip or trickle irrigation		Furrow irrigation	
		Limitation	Value	Limitation	Value	Limitation	Value
9461:							
Windyridge	4	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Klauspeak	2	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
Shalgran	2	Limitations		Limitations		Limitations	
		WEG = 1 or 2	1.00	Bedrock depth < 20"	1.00	WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
Buggin	1	Limitations		Limitations		Limitations	
		Sandy textures in surface layer	1.00	Bedrock depth < 20"	1.00	Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Typic Cryorthents	1	Limitations		No limitations		Limitations	
		Sandy textures in surface layer	1.00			Sandy textures in surface layer	1.00
		AWC < 2" to 40"	1.00			AWC < 2" to 40"	1.00
		Slopes > 15%	1.00			Slopes > 2%	1.00
Waterpeak	1	Limitations		No limitations		Limitations	
		WEG = 1 or 2	1.00			WEG = 1 or 2	1.00
		AWC < 2" to 40"	1.00			Fragments (>3") > 10%	1.00
		Slopes > 15%	1.00			AWC < 2" to 40"	1.00
W:							
Water	100	Not rated		Not rated		Not rated	

The interpretation for sprinkler irrigation evaluates the following soil properties at variable depths in the soil: texture of the surface layer; clay content more than 60 percent; flooding during the growing season; ponding; depth to wetness; available water capacity (AWC); slope; depth to hard or soft bedrock; depth to a cemented pan; fragments larger than 75 millimeters; sodium content (SAR); pH; clayey or sandy textures; permeability less than .5 cm/hr, resulting in saturated soil conditions; soil erodibility expressed as a K factor; electrical conductivity (EC); sodium content expressed as sodium adsorption ratio (SAR); and sulfur content based on taxonomic placement.

The interpretation for drip or trickle irrigation evaluates the following soil properties at variable depths in the soil: flooding, ponding, depth to wetness, depth to hard or soft bedrock, depth to a cemented pan, electrical conductivity (EC), sodium content expressed as sodium adsorption ratio (SAR), soil sulfur content based on taxonomic placement, and permeability less than .5 cm/hr.

The interpretation for furrow irrigation evaluates the following soil properties at variable depths in the soil: texture of the surface layer; clay content and smectitic mineralogy; flooding during the growing season; ponding; depth to wetness; available water capacity (AWC); slope; depth to soft bedrock; depth to a cemented pan; fragments larger than 75 millimeters; sodium content (SAR); pH; clayey or sandy textures; permeability less than .5 cm/hr, resulting in saturated soil conditions; permeability more than 15 cm/hr, resulting in seepage; electrical conductivity (EC); sodium content expressed as sodium adsorption ratio (SAR); and sulfur content based on taxonomic placement.

Table 20.--Engineering Index Properties

(See Glossary for definitions of abbreviations in the USDA texture column. Absence of an entry indicates that data were not estimated)

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7011:												
Beaches	0-79	GR-COS	SP-SM	A-1-b	0	0-6	87-100	56-100	19-45	4-10	0-14	NP
Oxyaquic Xeropsamments	0-6	GR-LCOS	SM	A-1-b	0	0	78-92	51-75	29-47	12-22	0-35	NP-4
	6-75	GR-COS, LCOS	SP-SM	A-1-b	0	0	79-92	51-76	23-39	4-10	0-20	NP-4
Watah	0-3	PEAT	PT	A-8	0	0	---	---	---	---	---	---
	3-8	MPT	PT	A-8	0	0	---	---	---	---	---	---
	8-15	GR-MK-COSL, MK-COSL	SM	A-1-b	0	0	55-100	53-100	32-68	18-42	0-66	NP-4
	15-63	GR-LCOS, LCOS	SM	A-1-b	0	0	57-100	55-100	32-66	13-32	0-23	NP-4
Gefo, barrier beach	0-15	GR-LCOS	SM	A-1-b	0	0	78-92	51-75	29-47	12-22	0-35	NP-4
	15-75	GR-COS, LCOS	SP-SM	A-1-b	0	0	79-92	51-76	23-39	4-10	0-20	NP-4
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	LCOS, COS, GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	LCOS, COS, GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Dunes.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7011:												
Jorge very gravelly sandy loam	0-2	SPM	PT	A-8	0-86	0-93	---	---	---	---	---	---
	2-24	GRV-SL	GM	A-1-a	0-14	0-25	18-46	18-43	9-35	4-19	28-58	4-9
	24-32	GRV-L, GRV-SL	GC-GM	A-2-4, A-1-b	0-12	0-23	20-49	20-46	11-44	8-32	22-36	5-12
	32-48	GRV-FSL, GRV-SL, GRV-L	GC	A-2-6	0-11	0-21	22-51	22-48	12-44	8-32	26-35	9-16
	48-84	GRV-FSL, GRV-SL	GW-GC	A-2-6	0-12	0-22	21-50	21-47	10-39	5-20	25-35	9-16
Rock outcrop.												
Tahoe silt loam----------	0-3	MPM	PT	A-8	0	0	---	---	---	---	---	---
	3-11	MK-SIL	OH	A-5	0	0	100	65-100	55-100	44-87	38-77	2-16
	11-15	MK-SIL, MK-SL, MK-LS, MK-L	OH	A-5	0	0	100	65-100	55-100	44-87	38-77	2-16
	15-20	GR-COS	SW-SM	A-1-a	0	0	92-98	47-72	18-34	4-9	0-38	NP-1
	20-30	MK-SIL, MK-SL, MK-LS, MK-L	OL	A-5	0	0	100	100	85-100	67-87	34-67	2-16
	30-49	L, SL, COS, LCOS, LFS, LS	CL-ML	A-4	0	0	100	79-100	55-93	37-68	0-29	NP-10
	49-59	COS, LCOS, LFS, SL, L, LS	SM	A-2-4	0	0	100	100	76-84	26-34	0-24	NP-4
Tahoma----------	0-3	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	3-14	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	29-51	3-13
	14-22	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	22-44	3-13
	22-38	GR-L	GC-GM	A-2-4	0	12-31	46-78	42-76	35-76	24-59	23-46	5-18
	38-59	GR-CL	CL	A-7-6	0	0-19	58-90	54-81	47-81	36-71	36-54	18-28
	59-71	CL	CL	A-7-6	0	0	74-100	74-100	62-99	48-79	36-52	18-28
	71-81	BR	---	---	---	---	---	---	---	---	---	---
Toem----------	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---
7021:												
Hellhole----------	0-11	PEAT	PT	A-8	0	0	---	---	---	---	---	---
	11-59	PEAT	PT	A-8	0	0	---	---	---	---	---	---
	59-118	MPT	PT	A-8	0	0	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7021:												
Bidart, wet	0-3	MPM	PT	A-8	0	0	---	---	---	---	---	---
	3-9	MK-SIL	OH	A-5	0	0	88-100	75-100	53-96	41-78	0-69	NP-9
	9-16	SIL	SM	A-4	0	0	91-100	74-100	59-96	46-78	0-47	NP-9
	16-17	GRX-COS, GRV-COS	SP	A-1-a	0	0	53-77	7-54	3-26	1-7	0-14	NP
	17-39	VFSL, SL, SIL, COSL	SM	A-4	0	0	91-100	75-100	65-100	36-63	0-47	NP-9
	39-59	SIL, COSL, SL, VFSL	SM	A-2-4	0	0	91-100	75-100	49-82	22-45	0-47	NP-9
Watah	0-3	PEAT	PT	A-8	0	0	---	---	---	---	---	---
	3-8	MPT	PT	A-8	0	0	---	---	---	---	---	---
	8-15	GR-MK-COSL, MK-COSL	SM	A-1-b	0	0	55-100	53-100	32-68	18-42	0-66	NP-4
	15-63	GR-LCOS, LCOS	SM	A-1-b	0	0	57-100	55-100	32-66	13-32	0-23	NP-4
Water.												
7031:												
Pits	0-60	VAR	---	---	---	---	---	---	---	---	---	---
Dumps	0-60	VAR	---	---	---	---	---	---	---	---	---	---
Arents.												
Xerorthents.												
7041:												
Tahoe silt loam	0-3	MPM	PT	A-8	0	0	---	---	---	---	---	---
	3-11	MK-SIL	OH	A-5	0	0	100	65-100	55-100	44-87	38-77	2-16
	11-15	MK-SIL, MK-SL, MK-LS, MK-L	OH	A-5	0	0	100	65-100	55-100	44-87	38-77	2-16
	15-20	GR-COS	SW-SM	A-1-a	0	0	92-98	47-72	18-34	4-9	0-38	NP-1
	20-30	MK-SIL, MK-SL, MK-LS, MK-L	OL	A-5	0	0	100	100	85-100	67-87	34-67	2-16
	30-49	L, SL, COS, LCOS, LFS, LS	CL-ML	A-4	0	0	100	79-100	55-93	37-68	0-29	NP-10
	49-59	COS, LCOS, LFS, SL, L, LS	SM	A-2-4	0	0	100	100	76-84	26-34	0-24	NP-4

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7041:												
Tahoe silt loam, wet----------	0-10	MK-SIL	OH	A-7-5	0	0	100	94-100	76-98	61-82	32-77	4-16
	10-27	FSL, LS, L, SIL, COSL, LCOS, LFS	OL	A-5	0	0	100	94-100	75-97	52-72	32-66	4-16
	27-32	FS, S, COS, LCOS, LFS, LS	SM	A-4	0	0	100	79-100	64-100	22-43	0-33	NP-7
	32-46	FS	SM	A-2-4	0	0	100	100	93-100	14-22	0-23	NP-4
Marla----------	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
Tahoe, gravelly----------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
Watah----------	0-3	PEAT	PT	A-8	0	0	---	---	---	---	---	---
	3-8	MPT	PT	A-8	0	0	---	---	---	---	---	---
	8-15	MK-GR-COSL, MK-COSL	SM	A-1-b	0	0	55-100	53-100	32-68	18-42	0-66	NP-4
	15-63	GR-LCOS, LCOS	SM	A-1-b	0	0	57-100	55-100	32-66	13-32	0-23	NP-4
7042:												
Tahoe, gravelly----------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7042:												
Tahoe, gravelly, wet----------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
Marla----------	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
Riverwash.												
Tahoe silt loam----------	0-3	MPM	PT	A-8	0	0	---	---	---	---	---	---
	3-11	MK-SIL	OH	A-5	0	0	100	65-100	55-100	44-87	38-77	2-16
	11-15	MK-SIL, MK-SL, MK-LS, MK-L	OH	A-5	0	0	100	65-100	55-100	44-87	38-77	2-16
	15-20	GR-COS	SW-SM	A-1-a	0	0	92-98	47-72	18-34	4-9	0-38	NP-1
	20-30	MK-SIL, MK-SL, MK-LS, MK-L	OL	A-5	0	0	100	100	85-100	67-87	34-67	2-16
	30-49	L, SL, COS, LCOS, LFS, LS	CL-ML	A-4	0	0	100	79-100	55-93	37-68	0-29	NP-10
	49-59	COS, LCOS, LFS, SL, L, LS	SM	A-2-4	0	0	100	100	76-84	26-34	0-24	NP-4
Watah----------	0-3	PEAT	PT	A-8	0	0	---	---	---	---	---	---
	3-8	MPT	PT	A-8	0	0	---	---	---	---	---	---
	8-15	MK-GR-COSL, MK-COSL	SM	A-1-b	0	0	55-100	53-100	32-68	18-42	0-66	NP-4
	15-63	GR-LCOS, LCOS	SM	A-1-b	0	0	57-100	55-100	32-66	13-32	0-23	NP-4

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7043:												
Tahoe, drained	0-10	MK-SIL	OH	A-7-5	0	0	100	94-100	76-98	61-82	32-77	4-16
	10-27	FSL, LS, L, SIL, COSL, LCOS, LFS	OL	A-5	0	0	100	94-100	75-97	52-72	32-66	4-16
	27-32	FS, S, COS, LCOS, LFS, LS	SM	A-4	0	0	100	79-100	64-100	22-43	0-33	NP-7
	32-46	FS	SM	A-2-4	0	0	100	100	93-100	14-22	0-23	NP-4
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
Tahoe, gravelly	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
Tahoe silt loam, wet	0-10	MK-SIL	OH	A-7-5	0	0	100	94-100	76-98	61-82	32-77	4-16
	10-27	FSL, LS, L, SIL, COSL, LCOS, LFS	OL	A-5	0	0	100	94-100	75-97	52-72	32-66	4-16
	27-32	FS, S, COS, LCOS, LFS, LS	SM	A-4	0	0	100	79-100	64-100	22-43	0-33	NP-7
	32-46	FS	SM	A-2-4	0	0	100	100	93-100	14-22	0-23	NP-4
Watah	0-3	PEAT	PT	A-8	0	0	---	---	---	---	---	---
	3-8	MPT	PT	A-8	0	0	---	---	---	---	---	---
	8-15	MK-GR-COSL, MK-COSL	SM	A-1-b	0	0	55-100	53-100	32-68	18-42	0-66	NP-4
	15-63	GR-LCOS, LCOS	SM	A-1-b	0	0	57-100	55-100	32-66	13-32	0-23	NP-4

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7051:												
Oxyaquic Xerorthents----------	0-36	GRV-COS	SW-SM	A-1-a	0	0	54-100	30-100	3-48	1-15	0-0	NP
	36-44	MK-SL, MK-L, MK-LS, MK-SIL	OH	A-5	0	0	100	65-100	55-100	44-87	38-77	2-16
	44-48	MK-SIL, MK-SL, MK-LS, MK-L	OH	A-5	0	0	100	65-100	55-100	44-87	38-77	2-16
	48-53	GR-COS	SW-SM	A-1-a	0	0	92-98	47-72	18-34	4-9	0-38	NP-1
	53-63	MK-SIL, MK-SL, MK-LS, MK-L	OL	A-5	0	0	100	100	85-100	67-87	34-67	2-16
Water.												
Marla----------	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
Watah----------	0-3	PEAT	PT	A-8	0	0	---	---	---	---	---	---
	3-8	MPT	PT	A-8	0	0	---	---	---	---	---	---
	8-15	MK-GR-COSL, MK-COSL	SM	A-1-b	0	0	55-100	53-100	32-68	18-42	0-66	NP-4
	15-63	GR-LCOS, LCOS	SM	A-1-b	0	0	57-100	55-100	32-66	13-32	0-23	NP-4
7061.												
Urban land												
7071:												
Watah----------	0-3	PEAT	PT	A-8	0	0	---	---	---	---	---	---
	3-8	MPT	PT	A-8	0	0	---	---	---	---	---	---
	8-15	MK-GR-COSL, MK-COSL	SM	A-1-b	0	0	55-100	53-100	32-68	18-42	0-66	NP-4
	15-63	GR-LCOS, LCOS	SM	A-1-b	0	0	57-100	55-100	32-66	13-32	0-23	NP-4
Tahoe, gravelly, wet----------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7071:												
Tahoe silt loam, wet----------	0-10	MK-SIL	OH	A-7-5	0	0	100	94-100	76-98	61-82	32-77	4-16
	10-27	FSL, LS, L, SIL, COSL, LCOS, LFS	OL	A-5	0	0	100	94-100	75-97	52-72	32-66	4-16
	27-32	FS, S, COS, LCOS, LFS, LS	SM	A-4	0	0	100	79-100	64-100	22-43	0-33	NP-7
	32-46	FS	SM	A-2-4	0	0	100	100	93-100	14-22	0-23	NP-4
Marla----------	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
Bidart, wet----------	0-3	MPM	PT	A-8	0	0	---	---	---	---	---	---
	3-9	MK-SIL	OH	A-5	0	0	88-100	75-100	53-96	41-78	0-69	NP-9
	9-16	SIL	SM	A-4	0	0	91-100	74-100	59-96	46-78	0-47	NP-9
	16-17	GRX-COS, GRV-COS	SP	A-1-a	0	0	53-77	7-54	3-26	1-7	0-14	NP
	17-39	VFSL, SL, SIL, COSL	SM	A-4	0	0	91-100	75-100	65-100	36-63	0-47	NP-9
	39-59	SIL, COSL, SL, VFSL	SM	A-2-4	0	0	91-100	75-100	49-82	22-45	0-47	NP-9
Water.												
Hellhole----------	0-11	PEAT	PT	A-8	0	0	---	---	---	---	---	---
	11-59	PEAT	PT	A-8	0	0	---	---	---	---	---	---
	59-118	MPT	PT	A-8	0	0	---	---	---	---	---	---
7101:												
Caverock----------	0-2	SPM	PT	A-8	0	0	---	---	---	---	---	---
	2-4	SL	SM	A-2-4	0	0	75-90	75-90	54-79	26-44	21-46	2-11
	4-11	SL	SC-SM	A-2-4	0	0	77-92	77-91	55-79	26-44	19-35	2-12
	11-19	CB-SL	SC-SM	A-2-4	3-23	3-23	69-97	67-96	47-79	21-42	17-32	2-12
	19-26	SL	SC-SM	A-2-4	0	0	78-92	78-92	56-78	27-44	17-30	2-12
	26-36	BR	---	---	---	---	---	---	---	---	---	---
Cagwin----------	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7101:												
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Deerhill	0-1	SPM	PT	A-8	0-63	0-63	---	---	---	---	---	---
	1-9	FSL	SM	A-2-4	0	0	85-95	77-92	67-86	28-39	22-38	1-6
	1-9	GR-FSL	SM	A-2-4	0	0	82-85	67-77	59-72	25-33	22-38	1-6
	9-35	FSL, GR-FSL	SC-SM	A-2-4	0-3	0-12	80-92	67-92	59-86	26-41	20-30	3-8
	35-51	L	CL	A-6	0	0	100	100	81-93	58-70	26-40	9-18
	51-65	PGRX-L	CL	A-6	0	0	100	100	81-93	58-70	26-40	9-18
Genoapeak	0-2	SPM	PT	A-8	0	2-16	---	---	---	---	---	---
	2-4	GRV-SL	GM	A-1-a	0	0	33-56	29-53	21-42	11-22	0-34	NP-2
	4-7	GRV-COSL	GC-GM	A-1-a	0	7-35	30-60	30-57	13-36	7-21	0-27	NP-6
	7-16	CB	GP-GM	A-1-a	0	56-72	19-51	13-47	8-30	5-17	0-14	NP
	16-60	CB	GP-GM	A-1-a	0	65-83	10-42	8-38	---	---	0-14	NP
Southcamp	0-2	SPM	PT	A-8	0	0-74	---	---	---	---	---	---
	2-4	GRV-FSL	GM	A-2-4	0	0	40-71	37-64	32-64	12-32	27-51	3-13
	4-15	CBX-L	GC	A-2-6	8-30	37-63	18-69	14-67	11-63	8-48	21-38	6-19
	15-34	CBX-CL	GC	A-2-7	16-43	54-73	22-70	18-69	16-67	13-53	37-49	18-25
	34-53	STX-CL	GC	A-2-7	54-73	16-43	22-70	18-69	15-64	12-50	36-47	19-25
	53-60	STX-CL	GC	A-2-7	54-73	16-43	22-70	18-69	15-64	12-50	36-47	19-25
Zephyrcove	0-2	SPM	PT	A-8	70-91	4-23	---	---	---	---	---	---
	2-4	MPM	PT	A-8	0-91	0	---	---	---	---	---	---
	4-7	ST-SL	SM	A-4	0-22	0	83-100	82-100	61-80	31-43	0-39	NP-3
	7-16	ST-SL	SM	A-4	0-22	0	83-100	82-100	60-82	31-46	0-27	NP-6
	16-35	GR-SCL, GR-SL	SC	A-6	0	0	66-85	64-84	49-78	24-46	24-42	8-21
	35-44	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7101:												
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
7111:												
Deerhill	0-1	SPM	PT	A-8	0-63	0-63	---	---	---	---	---	---
	1-9	GR-FSL	SM	A-2-4	0	0	82-85	67-77	59-72	25-33	22-38	1-6
	1-9	FSL	SM	A-2-4	0	0	85-95	77-92	67-86	28-39	22-38	1-6
	9-35	FSL, GR-FSL	SC-SM	A-2-4	0-3	0-12	80-92	67-92	59-86	26-41	20-30	3-8
	35-51	L	CL	A-6	0	0	100	100	81-93	58-70	26-40	9-18
	51-65	PGRX-L	CL	A-6	0	0	100	100	81-93	58-70	26-40	9-18
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Shakespeare	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-2	SIL	CL	A-6	0	0-10	80-100	79-100	69-100	57-87	29-53	7-18
	2-5	GRV-L, GR-L	GM	A-2-6	0	0-19	34-73	31-72	25-68	17-51	29-52	7-18
	5-34	GRV-CL, GRV-L, GR-CL, GR-L	GC	A-2-7	0	5-23	36-71	33-70	29-67	22-54	35-47	17-25
	34-61	SICL	CL	A-7-6	0	0-8	84-100	83-100	77-100	68-95	37-51	19-29

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7111:												
Southcamp	0-2	SPM	PT	A-8	0	0-74	---	---	---	---	---	---
	2-4	GRV-FSL	GM	A-2-4	0	0	40-71	37-64	32-64	12-32	27-51	3-13
	4-15	CBX-L	GC	A-2-6	8-30	37-63	18-69	14-67	11-63	8-48	21-38	6-19
	15-34	CBX-CL	GC	A-2-7	16-43	54-73	22-70	18-69	16-67	13-53	37-49	18-25
	34-53	STX-CL	GC	A-2-7	54-73	16-43	22-70	18-69	15-64	12-50	36-47	19-25
	53-60	STX-CL	GC	A-2-7	54-73	16-43	22-70	18-69	15-64	12-50	36-47	19-25
Zephyrcove	0-2	SPM	PT	A-8	70-91	4-23	---	---	---	---	---	---
	2-4	MPM	PT	A-8	0-91	0	---	---	---	---	---	---
	4-7	ST-SL	SM	A-4	0-22	0	83-100	82-100	61-80	31-43	0-39	NP-3
	7-16	ST-SL	SM	A-4	0-22	0	83-100	82-100	60-82	31-46	0-27	NP-6
	16-35	GR-SCL, GR-SL	SC	A-6	0	0	66-85	64-84	49-78	24-46	24-42	8-21
	35-44	BR	---	---	---	---	---	---	---	---	---	---
Genoapeak	0-2	SPM	PT	A-8	0	2-16	---	---	---	---	---	---
	2-4	GRV-SL	GM	A-1-a	0	0	33-56	29-53	21-42	11-22	0-34	NP-2
	4-7	GRV-COSL	GC-GM	A-1-a	0	7-35	30-60	30-57	13-36	7-21	0-27	NP-6
	7-16	CB	GP-GM	A-1-a	0	56-72	19-51	13-47	8-30	5-17	0-14	NP
	16-60	CB	GP-GM	A-1-a	0	65-83	10-42	8-38	---	---	0-14	NP
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
7112:												
Deerhill	0-1	SPM	PT	A-8	0-63	0-63	---	---	---	---	---	---
	1-9	FSL	SM	A-2-4	0	0	85-95	77-92	67-86	28-39	22-38	1-6
	1-9	GR-FSL	SM	A-2-4	0	0	82-85	67-77	59-72	25-33	22-38	1-6
	9-35	FSL, GR-FSL	SC-SM	A-2-4	0-3	0-12	80-92	67-92	59-86	26-41	20-30	3-8
	35-51	L	CL	A-6	0	0	100	100	81-93	58-70	26-40	9-18
	51-65	PGRX-L	CL	A-6	0	0	100	100	81-93	58-70	26-40	9-18

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7112:												
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Shakespeare	0-1	SPM	PT	A-8	12-67	4-47	---	---	---	---	---	---
	1-2	SIL	CL	A-6	0	0-10	80-100	79-100	69-100	57-87	29-53	7-18
	2-5	GRV-L, GR-L	GM	A-2-6	0	0-19	34-73	31-72	25-68	17-51	29-52	7-18
	5-34	GRV-CL, GRV-L, GR-CL, GR-L	GC	A-2-7	0	5-23	36-71	33-70	29-67	22-54	35-47	17-25
	34-61	SICL	CL	A-7-6	0	0-8	84-100	83-100	77-100	68-95	37-51	19-29
Southcamp	0-2	SPM	PT	A-8	0	0-74	---	---	---	---	---	---
	2-4	GRV-FSL	GM	A-2-4	0	0	40-71	37-64	32-64	12-32	27-51	3-13
	4-15	CBX-L	GC	A-2-6	8-30	37-63	18-69	14-67	11-63	8-48	21-38	6-19
	15-34	CBX-CL	GC	A-2-7	16-43	54-73	22-70	18-69	16-67	13-53	37-49	18-25
	34-53	STX-CL	GC	A-2-7	54-73	16-43	22-70	18-69	15-64	12-50	36-47	19-25
	53-60	STX-CL	GC	A-2-7	54-73	16-43	22-70	18-69	15-64	12-50	36-47	19-25
Zephyrcove	0-2	SPM	PT	A-8	70-91	4-23	---	---	---	---	---	---
	2-4	MPM	PT	A-8	0-91	0	---	---	---	---	---	---
	4-7	ST-SL	SM	A-4	0-22	0	83-100	82-100	61-80	31-43	0-39	NP-3
	7-16	ST-SL	SM	A-4	0-22	0	83-100	82-100	60-82	31-46	0-27	NP-6
	16-35	GR-SCL, GR-SL	SC	A-6	0	0	66-85	64-84	49-78	24-46	24-42	8-21
	35-44	BR	---	---	---	---	---	---	---	---	---	---
Genoapeak	0-2	SPM	PT	A-8	0	2-16	---	---	---	---	---	---
	2-4	GRV-SL	GM	A-1-a	0	0	33-56	29-53	21-42	11-22	0-34	NP-2
	4-7	GRV-COSL	GC-GM	A-1-a	0	7-35	30-60	30-57	13-36	7-21	0-27	NP-6
	7-16	CB	GP-GM	A-1-a	0	56-72	19-51	13-47	8-30	5-17	0-14	NP
	16-60	CB	GP-GM	A-1-a	0	65-83	10-42	8-38	---	---	0-14	NP

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7112:												
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
7121:												
Ellispeak	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop, volcanic.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7121:												
Waca	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Kneeridge, well drained	0-2	SPM	PT	A-8	3-37	6-57	---	---	---	---	---	---
	2-16	GR-MEDL-SL	SM	A-1-b	0-13	0-13	70-88	40-75	29-62	13-33	34-56	2-7
	16-39	GR-MEDL-SL	SM	A-2-4	0-11	0-11	73-89	45-79	32-66	15-36	21-42	2-9
	39-79	GR-SL	SM	A-2-4	0-10	0-10	74-90	49-81	36-67	18-37	0-23	NP-6
Paige	0-3	SPM	PT	A-8	0-35	0-35	---	---	---	---	---	---
	3-20	MEDL-SL	SM	A-2-4	0	0-34	63-92	61-92	46-74	24-41	0-41	NP-4
	20-48	MEDL-CB-SL	SM	A-4	0	8-23	74-95	73-95	54-77	28-43	0-32	NP-6
	48-62	CB-L	CL	A-4	0	8-23	74-95	73-95	66-95	49-78	19-34	2-13
	62-80	STX-COSL	GM	A-1-b	0	16-35	32-69	28-68	17-48	10-30	0-23	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7121:												
Tahoe, gravelly----------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
7122:												
Ellispeak----------	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop, volcanic.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7122:												
Waca----------	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Kneeridge, well drained--------	0-2	SPM	PT	A-8	3-37	6-57	---	---	---	---	---	---
	2-16	GR-MEDL-SL	SM	A-1-b	0-13	0-13	70-88	40-75	29-62	13-33	34-56	2-7
	16-39	GR-MEDL-SL	SM	A-2-4	0-11	0-11	73-89	45-79	32-66	15-36	21-42	2-9
	39-79	GR-SL	SM	A-2-4	0-10	0-10	74-90	49-81	36-67	18-37	0-23	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7122:												
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
Paige	0-3	SPM	PT	A-8	0-35	0-35	---	---	---	---	---	---
	3-20	MEDL-SL	SM	A-2-4	0	0-34	63-92	61-92	46-74	24-41	0-41	NP-4
	20-48	MEDL-CB-SL	SM	A-4	0	8-23	74-95	73-95	54-77	28-43	0-32	NP-6
	48-62	CB-L	CL	A-4	0	8-23	74-95	73-95	66-95	49-78	19-34	2-13
	62-80	STX-COSL	GM	A-1-b	0	16-35	32-69	28-68	17-48	10-30	0-23	NP-6
7123:												
Ellispeak	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop, volcanic.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7123:												
Waca----------	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Kneeridge, well drained--------	0-2	SPM	PT	A-8	3-37	6-57	---	---	---	---	---	---
	2-16	GR-MEDL-SL	SM	A-1-b	0-13	0-13	70-88	40-75	29-62	13-33	34-56	2-7
	16-39	MEDL-GR-SL	SM	A-2-4	0-11	0-11	73-89	45-79	32-66	15-36	21-42	2-9
	39-79	GR-SL	SM	A-2-4	0-10	0-10	74-90	49-81	36-67	18-37	0-23	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7123:												
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
Paige	0-3	SPM	PT	A-8	0-35	0-35	---	---	---	---	---	---
	3-20	MEDL-SL	SM	A-2-4	0	0-34	63-92	61-92	46-74	24-41	0-41	NP-4
	20-48	MEDL-CB-SL	SM	A-4	0	8-23	74-95	73-95	54-77	28-43	0-32	NP-6
	48-62	CB-L	CL	A-4	0	8-23	74-95	73-95	66-95	49-78	19-34	2-13
	62-80	STX-COSL	GM	A-1-b	0	16-35	32-69	28-68	17-48	10-30	0-23	NP-6
7131:												
Ellispeak	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7131:												
Waca----------	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7131:												
Windy	0-2	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-11	GRV-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	GR-COSL, GRV-L, GRV-SL, L, SL, COSL, GR-L, GR-SL, GRV-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	GR-COSL, GRV-L, GRV-SL, L, SL, COSL, GR-L, GR-SL, GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-49	GR-COSL, GRV-L, GRV-SL, L, SL, COSL, GR-L, GR-SL, GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
7132:												
Ellispeak	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7132:												
Waca	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7132:												
Windy	0-2	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-11	GRV-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	GR-COSL, GRV-L, GRV-SL, L, SL, COSL, GR-L, GR-SL, GRV-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	GR-COSL, GRV-L, GRV-SL, L, SL, COSL, GR-L, GR-SL, GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-49	GR-COSL, GRV-L, GRV-SL, L, SL, COSL, GR-L, GR-SL, GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
7133:												
Ellispeak	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7133:												
Waca----------	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7133:												
Windy----------	0-2	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-11	GRV-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	GR-COSL, GRV-L, GRV-SL, L, SL, COSL, GR-L, GR-SL, GRV-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	GR-COSL, GRV-L, GRV-SL, L, SL, COSL, GR-L, GR-SL, GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-49	GR-COSL, GRV-L, GRV-SL, L, SL, COSL, GR-L, GR-SL, GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Aquic Xerorthents----------	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
7141:												
Inville----------	0-2	SPM	PT	A-8	0-78	0-63	---	---	---	---	---	---
	2-12	GR-COSL	SM	A-1-b	0	0	71-86	51-83	29-56	16-34	20-44	2-9
	12-37	CBX-SL	GC	A-2-4	0	31-54	34-71	15-67	11-55	5-30	20-35	4-13
	37-56	GRX-LCOS	GP-GM	A-1-a	0	28-40	21-45	9-42	5-26	2-12	0-18	NP-2

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7141:												
Christopher loamy coarse sand--	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-8	LCOS	SM	A-1-b, A-2-4	0	0	91-100	76-94	41-57	15-23	0-29	NP-2
	8-26	LCOS	SM	A-2-4, A-1-b	0	0	92-100	77-95	42-57	15-23	0-20	NP-2
	26-42	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	43-58	18-26	0-19	NP-2
	42-61	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	44-59	18-27	0-19	NP-2
Cassenai gravelly loamy coarse sand----------	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Jorge very gravelly sandy loam	0-2	SPM	PT	A-8	0-86	0-93	---	---	---	---	---	---
	2-24	GRV-SL	GM	A-1-a	0-14	0-25	18-46	18-43	9-35	4-19	28-58	4-9
	24-32	GRV-L, GRV-SL	GC-GM	A-2-4, A-1-b	0-12	0-23	20-49	20-46	11-44	8-32	22-36	5-12
	32-48	GRV-FSL, GRV-SL, GRV-L	GC	A-2-6	0-11	0-21	22-51	22-48	12-44	8-32	26-35	9-16
	48-84	GRV-FSL, GRV-SL	GW-GC	A-2-6	0-12	0-22	21-50	21-47	10-39	5-20	25-35	9-16
Kingsbeach----------	0-1	SPM	PT	A-8	0-63	0-74	---	---	---	---	---	---
	1-6	ST-SL	SC	A-2-4	0-17	0-17	72-97	70-96	50-79	24-43	22-41	6-13
	6-20	L, CL, SCL	CL	A-6	0-16	0-16	78-100	78-100	62-100	45-80	30-47	12-25
	20-30	SCL	CL	A-7-6	0	0	100	100	76-91	40-55	31-47	13-25
	30-61	CL, C	CL	A-7-6	0	0	100	100	87-97	67-77	41-53	21-29
Aquic Xerorthents----------	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7142:												
Inville	0-2	SPM	PT	A-8	0-78	0-63	---	---	---	---	---	---
	2-12	GR-COSL	SM	A-1-b	0	0	71-86	51-83	29-56	16-34	20-44	2-9
	12-37	CBX-SL	GC	A-2-4	0	31-54	34-71	15-67	11-55	5-30	20-35	4-13
	37-56	GRX-LCOS	GP-GM	A-1-a	0	28-40	21-45	9-42	5-26	2-12	0-18	NP-2
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Christopher gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-5	GR-LCOS	SM	A-1-b	0	0	79-92	59-85	32-49	11-19	0-28	NP-2
	5-32	LCOS	SM	A-1-b	0	0	89-98	79-97	43-58	15-23	0-21	NP-3
	32-41	GR-LCOS	SM	A-1-b	0	0	79-92	59-85	32-50	11-20	0-21	NP-3
	41-71	GRV-LCOS	SP-SM	A-1-b	0	0-12	59-92	38-65	21-49	7-19	0-19	NP-2
Jorge very gravelly sandy loam	0-2	SPM	PT	A-8	0-86	0-93	---	---	---	---	---	---
	2-24	GRV-SL	GM	A-1-a	0-14	0-25	18-46	18-43	9-35	4-19	28-58	4-9
	24-32	GRV-L, GRV-SL	GC-GM	A-2-4, A-1-b	0-12	0-23	20-49	20-46	11-44	8-32	22-36	5-12
	32-48	GRV-FSL, GRV-SL, GRV-L	GC	A-2-6	0-11	0-21	22-51	22-48	12-44	8-32	26-35	9-16
	48-84	GRV-FSL, GRV-SL	GW-GC	A-2-6	0-12	0-22	21-50	21-47	10-39	5-20	25-35	9-16
Meeks, extremely bouldery	0-2	SPM	PT	A-8	74-94	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7142:												
Aquic Xerorthents----------	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
7143:												
Inville----------	0-2	SPM	PT	A-8	0-78	0-63	---	---	---	---	---	---
	2-12	GR-COSL	SM	A-1-b	0	0	71-86	51-83	29-56	16-34	20-44	2-9
	12-37	CBX-SL	GC	A-2-4	0	31-54	34-71	15-67	11-55	5-30	20-35	4-13
	37-56	GRX-LCOS	GP-GM	A-1-a	0	28-40	21-45	9-42	5-26	2-12	0-18	NP-2
Cassenai gravelly loamy coarse sand----------	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Christopher gravelly loamy coarse sand----------	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-5	GR-LCOS	SM	A-1-b	0	0	79-92	59-85	32-49	11-19	0-28	NP-2
	5-32	LCOS	SM	A-1-b	0	0	89-98	79-97	43-58	15-23	0-21	NP-3
	32-41	GR-LCOS	SM	A-1-b	0	0	79-92	59-85	32-50	11-20	0-21	NP-3
	41-71	GRV-LCOS	SP-SM	A-1-b	0	0-12	59-92	38-65	21-49	7-19	0-19	NP-2
Jorge very gravelly sandy loam	0-2	SPM	PT	A-8	0-86	0-93	---	---	---	---	---	---
	2-24	GRV-SL	GM	A-1-a	0-14	0-25	18-46	18-43	9-35	4-19	28-58	4-9
	24-32	GRV-L, GRV-SL	GC-GM	A-2-4, A-1-b	0-12	0-23	20-49	20-46	11-44	8-32	22-36	5-12
	32-48	GRV-FSL, GRV-SL, GRV-L	GC	A-2-6	0-11	0-21	22-51	22-48	12-44	8-32	26-35	9-16
	48-84	GRV-FSL, GRV-SL	GW-GC	A-2-6	0-12	0-22	21-50	21-47	10-39	5-20	25-35	9-16

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7143:												
Meeks, extremely bouldery------	0-2	SPM	PT	A-8	74-94	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Aquic Xerorthents--------------	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
7151:												
Jorge very cobbly fine sandy loam---------------------------	0-2	SPM	PT	A-8	0-98	0-97	---	---	---	---	---	---
	2-9	CBV-FSL	SM	A-4	24-55	24-55	53-90	32-90	18-82	11-52	0-45	NP-5
	9-28	CBV-FSL	SC-SM	A-1-b	24-55	24-55	57-85	32-70	12-64	7-39	17-27	2-8
	28-34	CBV-FSL	SC-SM	A-1-b	24-55	24-55	57-85	32-70	12-64	7-39	17-27	2-8
	34-59	CBV-L	SC	A-6	0-30	35-59	39-93	39-80	6-76	5-56	25-36	9-17
Tahoma---------------------------	0-3	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	3-14	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	29-51	3-13
	14-22	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	22-44	3-13
	22-38	GR-L	GC-GM	A-2-4	0	12-31	46-78	42-76	35-76	24-59	23-46	5-18
	38-59	GR-CL	CL	A-7-6	0	0-19	58-90	54-81	47-81	36-71	36-54	18-28
	59-71	CL	CL	A-7-6	0	0	74-100	74-100	62-99	48-79	36-52	18-28
	71-81	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7151:												
Waca	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Jorge very cobbly loam	0-1	SPM	PT	A-8	21-73	23-75	---	---	---	---	---	---
	1-15	CBV-L	GM	A-2-5	0-14	25-57	31-63	31-61	22-58	15-43	26-62	2-12
	15-45	CBV-CL, CBV-L	GC	A-2-6	0-11	21-51	36-68	36-66	23-64	17-51	22-44	6-24
	45-60	CBV-L, CBV-SL	GC	A-2-4	0-12	22-52	35-68	35-66	26-66	18-49	22-37	6-18
Ellispeak	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---
Sky	0-1	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	1-2	HPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-3	GR-MEDL-SL	SM, GM	A-1-b, A-2-5	0	5-25	48-75	45-74	34-61	17-34	---	---
	3-5	CB-SL	GM, SM	A-1-b	0	13-34	52-75	52-74	28-61	14-34	0-38	NP-5
	5-24	STV-MEDL-SL	GM, SM	A-2-4, A-1-b	34-61	5-42	32-62	32-61	11-50	6-28	0-38	NP-5
	24-34	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7151:												
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
Rock outcrop.												
7152:												
Jorge very cobbly fine sandy loam	0-2	SPM	PT	A-8	0-98	0-97	---	---	---	---	---	---
	2-9	CBV-FSL	SM	A-4	24-55	24-55	53-90	32-90	18-82	11-52	0-45	NP-5
	9-28	CBV-FSL	SC-SM	A-1-b	24-55	24-55	57-85	32-70	12-64	7-39	17-27	2-8
	28-34	CBV-FSL	SC-SM	A-1-b	24-55	24-55	57-85	32-70	12-64	7-39	17-27	2-8
	34-59	CBV-L	SC	A-6	0-30	35-59	39-93	39-80	6-76	5-56	25-36	9-17
Tahoma	0-3	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	3-14	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	29-51	3-13
	14-22	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	22-44	3-13
	22-38	GR-L	GC-GM	A-2-4	0	12-31	46-78	42-76	35-76	24-59	23-46	5-18
	38-59	GR-CL	CL	A-7-6	0	0-19	58-90	54-81	47-81	36-71	36-54	18-28
	59-71	CL	CL	A-7-6	0	0	74-100	74-100	62-99	48-79	36-52	18-28
	71-81	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7152:												
Waca----------	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Jorge very cobbly loam---------	0-1	SPM	PT	A-8	21-73	23-75	---	---	---	---	---	---
	1-15	CBV-L	GM	A-2-5	0-14	25-57	31-63	31-61	22-58	15-43	26-62	2-12
	15-45	CBV-CL, CBV-L	GC	A-2-6	0-11	21-51	36-68	36-66	23-64	17-51	22-44	6-24
	45-60	CBV-L, CBV-SL	GC	A-2-4	0-12	22-52	35-68	35-66	26-66	18-49	22-37	6-18
Ellispeak----------	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---
Sky----------	0-1	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	1-2	HPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-3	MEDL-GR-SL	SM, GM	A-1-b, A-2-5	0	5-25	48-75	45-74	34-61	17-34	---	---
	3-5	CB-SL	GM, SM	A-1-b	0	13-34	52-75	52-74	28-61	14-34	0-38	NP-5
	5-24	STV-MEDL-SL	GM, SM	A-2-4, A-1-b	34-61	5-42	32-62	32-61	11-50	6-28	0-38	NP-5
	24-34	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7152:												
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
Rock outcrop.												
7153:												
Jorge very cobbly fine sandy loam	0-2	SPM	PT	A-8	0-98	0-97	---	---	---	---	---	---
	2-9	CBV-FSL	SM	A-4	24-55	24-55	53-90	32-90	18-82	11-52	0-45	NP-5
	9-28	CBV-FSL	SC-SM	A-1-b	24-55	24-55	57-85	32-70	12-64	7-39	17-27	2-8
	28-34	CBV-FSL	SC-SM	A-1-b	24-55	24-55	57-85	32-70	12-64	7-39	17-27	2-8
	34-59	CBV-L	SC	A-6	0-30	35-59	39-93	39-80	6-76	5-56	25-36	9-17
Tahoma	0-3	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	3-14	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	29-51	3-13
	14-22	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	22-44	3-13
	22-38	GR-L	GC-GM	A-2-4	0	12-31	46-78	42-76	35-76	24-59	23-46	5-18
	38-59	GR-CL	CL	A-7-6	0	0-19	58-90	54-81	47-81	36-71	36-54	18-28
	59-71	CL	CL	A-7-6	0	0	74-100	74-100	62-99	48-79	36-52	18-28
	71-81	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7153:												
Waca----------	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Jorge very cobbly loam---------	0-1	SPM	PT	A-8	21-73	23-75	---	---	---	---	---	---
	1-15	CBV-L	GM	A-2-5	0-14	25-57	31-63	31-61	22-58	15-43	26-62	2-12
	15-45	CBV-CL, CBV-L	GC	A-2-6	0-11	21-51	36-68	36-66	23-64	17-51	22-44	6-24
	45-60	CBV-L, CBV-SL	GC	A-2-4	0-12	22-52	35-68	35-66	26-66	18-49	22-37	6-18
Ellispeak----------	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---
Sky----------	0-1	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	1-2	HPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-3	MEDL-GR-SL	SM, GM	A-1-b, A-2-5	0	5-25	48-75	45-74	34-61	17-34	---	---
	3-5	CB-SL	GM, SM	A-1-b	0	13-34	52-75	52-74	28-61	14-34	0-38	NP-5
	5-24	STV-MEDL-SL	GM, SM	A-2-4, A-1-b	34-61	5-42	32-62	32-61	11-50	6-28	0-38	NP-5
	24-34	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7153:												
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
Rock outcrop.												
7154:												
Jorge very cobbly loam	0-1	SPM	PT	A-8	21-73	23-75	---	---	---	---	---	---
	1-15	CBV-L	GM	A-2-5	0-14	25-57	31-63	31-61	22-58	15-43	26-62	2-12
	15-45	CBV-CL, CBV-L	GC	A-2-6	0-11	21-51	36-68	36-66	23-64	17-51	22-44	6-24
	45-60	CBV-L, CBV-SL	GC	A-2-4	0-12	22-52	35-68	35-66	26-66	18-49	22-37	6-18
Rubble land.												
Tahoma	0-3	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	3-14	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	29-51	3-13
	14-22	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	22-44	3-13
	22-38	GR-L	GC-GM	A-2-4	0	12-31	46-78	42-76	35-76	24-59	23-46	5-18
	38-59	GR-CL	CL	A-7-6	0	0-19	58-90	54-81	47-81	36-71	36-54	18-28
	59-71	CL	CL	A-7-6	0	0	74-100	74-100	62-99	48-79	36-52	18-28
	71-81	BR	---	---	---	---	---	---	---	---	---	---
Ellispeak	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7154:												
Waca----------	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Tahoe, gravelly----------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
7155:												
Jorge very cobbly loam---------	0-1	SPM	PT	A-8	21-73	23-75	---	---	---	---	---	---
	1-15	CBV-L	GM	A-2-5	0-14	25-57	31-63	31-61	22-58	15-43	26-62	2-12
	15-45	CBV-CL, CBV-L	GC	A-2-6	0-11	21-51	36-68	36-66	23-64	17-51	22-44	6-24
	45-60	CBV-L, CBV-SL	GC	A-2-4	0-12	22-52	35-68	35-66	26-66	18-49	22-37	6-18

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7155:												
Rubble land.												
Tahoma	0-3	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	3-14	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	29-51	3-13
	14-22	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	22-44	3-13
	22-38	GR-L	GC-GM	A-2-4	0	12-31	46-78	42-76	35-76	24-59	23-46	5-18
	38-59	GR-CL	CL	A-7-6	0	0-19	58-90	54-81	47-81	36-71	36-54	18-28
	59-71	CL	CL	A-7-6	0	0	74-100	74-100	62-99	48-79	36-52	18-28
	71-81	BR	---	---	---	---	---	---	---	---	---	---
Ellispeak	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
Waca	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7155:												
Tahoe, gravelly----------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
7156:												
Jorge very gravelly sandy loam	0-2	SPM	PT	A-8	0-86	0-93	---	---	---	---	---	---
	2-24	GRV-SL	GM	A-1-a	0-14	0-25	18-46	18-43	9-35	4-19	28-58	4-9
	24-32	GRV-L, GRV-SL	GC-GM	A-2-4, A-1-b	0-12	0-23	20-49	20-46	11-44	8-32	22-36	5-12
	32-48	GRV-FSL, GRV-SL, GRV-L	GC	A-2-6	0-11	0-21	22-51	22-48	12-44	8-32	26-35	9-16
	48-84	GRV-FSL, GRV-SL	GW-GC	A-2-6	0-12	0-22	21-50	21-47	10-39	5-20	25-35	9-16
Tahoma----------	0-3	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	3-14	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	29-51	3-13
	14-22	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	22-44	3-13
	22-38	GR-L	GC-GM	A-2-4	0	12-31	46-78	42-76	35-76	24-59	23-46	5-18
	38-59	GR-CL	CL	A-7-6	0	0-19	58-90	54-81	47-81	36-71	36-54	18-28
	59-71	CL	CL	A-7-6	0	0	74-100	74-100	62-99	48-79	36-52	18-28
	71-81	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7156:												
Waca	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Inville	0-2	SPM	PT	A-8	0-78	0-63	---	---	---	---	---	---
	2-12	GR-COSL	SM	A-1-b	0	0	71-86	51-83	29-56	16-34	20-44	2-9
	12-37	CBX-SL	GC	A-2-4	0	31-54	34-71	15-67	11-55	5-30	20-35	4-13
	37-56	GRX-LCOS	GP-GM	A-1-a	0	28-40	21-45	9-42	5-26	2-12	0-18	NP-2
Rubble land.												
Ellispeak	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7156:												
Tahoe, gravelly----------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
7157:												
Jorge very gravelly sandy loam	0-2	SPM	PT	A-8	0-86	0-93	---	---	---	---	---	---
	2-24	GRV-SL	GM	A-1-a	0-14	0-25	18-46	18-43	9-35	4-19	28-58	4-9
	24-32	GRV-L, GRV-SL	GC-GM	A-2-4, A-1-b	0-12	0-23	20-49	20-46	11-44	8-32	22-36	5-12
	32-48	GRV-FSL, GRV-SL, GRV-L	GC	A-2-6	0-11	0-21	22-51	22-48	12-44	8-32	26-35	9-16
	48-84	GRV-FSL, GRV-SL	GW-GC	A-2-6	0-12	0-22	21-50	21-47	10-39	5-20	25-35	9-16
Tahoma----------	0-3	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	3-14	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	29-51	3-13
	14-22	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	22-44	3-13
	22-38	GR-L	GC-GM	A-2-4	0	12-31	46-78	42-76	35-76	24-59	23-46	5-18
	38-59	GR-CL	CL	A-7-6	0	0-19	58-90	54-81	47-81	36-71	36-54	18-28
	59-71	CL	CL	A-7-6	0	0	74-100	74-100	62-99	48-79	36-52	18-28
	71-81	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7157:												
Waca	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Inville	0-2	SPM	PT	A-8	0-78	0-63	---	---	---	---	---	---
	2-12	GR-COSL	SM	A-1-b	0	0	71-86	51-83	29-56	16-34	20-44	2-9
	12-37	CBX-SL	GC	A-2-4	0	31-54	34-71	15-67	11-55	5-30	20-35	4-13
	37-56	GRX-LCOS	GP-GM	A-1-a	0	28-40	21-45	9-42	5-26	2-12	0-18	NP-2
Rubble land.												
Ellispeak	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7157:												
Tahoe, gravelly----------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
7161:												
Kingsbeach----------	0-1	SPM	PT	A-8	0-63	0-74	---	---	---	---	---	---
	1-6	ST-SL	SC	A-2-4	0-17	0-17	72-97	70-96	50-79	24-43	22-41	6-13
	6-20	L, CL, SCL	CL	A-6	0-16	0-16	78-100	78-100	62-100	45-80	30-47	12-25
	20-30	SCL	CL	A-7-6	0	0	100	100	76-91	40-55	31-47	13-25
	30-61	CL, C	CL	A-7-6	0	0	100	100	87-97	67-77	41-53	21-29
Tahoma----------	0-3	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	3-14	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	29-51	3-13
	14-22	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	22-44	3-13
	22-38	GR-L	GC-GM	A-2-4	0	12-31	46-78	42-76	35-76	24-59	23-46	5-18
	38-59	GR-CL	CL	A-7-6	0	0-19	58-90	54-81	47-81	36-71	36-54	18-28
	59-71	CL	CL	A-7-6	0	0	74-100	74-100	62-99	48-79	36-52	18-28
	71-81	BR	---	---	---	---	---	---	---	---	---	---
Jorge very gravelly sandy loam	0-2	SPM	PT	A-8	0-86	0-93	---	---	---	---	---	---
	2-24	GRV-SL	GM	A-1-a	0-14	0-25	18-46	18-43	9-35	4-19	28-58	4-9
	24-32	GRV-L, GRV-SL	GC-GM	A-2-4, A-1-b	0-12	0-23	20-49	20-46	11-44	8-32	22-36	5-12
	32-48	GRV-FSL, GRV-SL, GRV-L	GC	A-2-6	0-11	0-21	22-51	22-48	12-44	8-32	26-35	9-16
	48-84	GRV-FSL, GRV-SL	GW-GC	A-2-6	0-12	0-22	21-50	21-47	10-39	5-20	25-35	9-16
Beaches----------	0-79	GR-COS	SP-SM	A-1-b	0	0-6	87-100	56-100	19-45	4-10	0-14	NP
Dunes.												
7171:												
Kneeridge, extremely stony-----	0-2	SPM	PT	A-8	12-64	5-47	---	---	---	---	---	---
	2-16	GR-MEDL-SL	SM	A-1-b	0-13	0-13	70-88	40-75	29-62	13-33	34-56	2-7
	16-39	GR-MEDL-SL	SM	A-2-4	0-11	0-11	73-89	45-79	32-66	15-36	21-42	2-9
	39-79	GR-SL	SM	A-2-4	0-10	0-10	74-90	49-81	36-67	18-37	0-23	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7171:												
Jorge very gravelly sandy loam	0-2	SPM	PT	A-8	0-86	0-93	---	---	---	---	---	---
	2-24	GRV-SL	GM	A-1-a	0-14	0-25	18-46	18-43	9-35	4-19	28-58	4-9
	24-32	GRV-L, GRV-SL	GC-GM	A-2-4, A-1-b	0-12	0-23	20-49	20-46	11-44	8-32	22-36	5-12
	32-48	GRV-FSL, GRV-SL, GRV-L	GC	A-2-6	0-11	0-21	22-51	22-48	12-44	8-32	26-35	9-16
	48-84	GRV-FSL, GRV-SL	GW-GC	A-2-6	0-12	0-22	21-50	21-47	10-39	5-20	25-35	9-16
Paige	0-3	SPM	PT	A-8	0-35	0-35	---	---	---	---	---	---
	3-20	MEDL-SL	SM	A-2-4	0	0-34	63-92	61-92	46-74	24-41	0-41	NP-4
	20-48	MEDL-CB-SL	SM	A-4	0	8-23	74-95	73-95	54-77	28-43	0-32	NP-6
	48-62	CB-L	CL	A-4	0	8-23	74-95	73-95	66-95	49-78	19-34	2-13
	62-80	STX-COSL	GM	A-1-b	0	16-35	32-69	28-68	17-48	10-30	0-23	NP-6
Waca	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7171:												
Tahoe, gravelly----------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
7172:												
Kneeridge, well drained--------	0-2	SPM	PT	A-8	3-37	6-57	---	---	---	---	---	---
	2-16	GR-MEDL-SL	SM	A-1-b	0-13	0-13	70-88	40-75	29-62	13-33	34-56	2-7
	16-39	MEDL-GR-SL	SM	A-2-4	0-11	0-11	73-89	45-79	32-66	15-36	21-42	2-9
	39-79	GR-SL	SM	A-2-4	0-10	0-10	74-90	49-81	36-67	18-37	0-23	NP-6
Jorge very gravelly sandy loam	0-2	SPM	PT	A-8	0-86	0-93	---	---	---	---	---	---
	2-24	GRV-SL	GM	A-1-a	0-14	0-25	18-46	18-43	9-35	4-19	28-58	4-9
	24-32	GRV-L, GRV-SL	GC-GM	A-2-4, A-1-b	0-12	0-23	20-49	20-46	11-44	8-32	22-36	5-12
	32-48	GRV-FSL, GRV-SL, GRV-L	GC	A-2-6	0-11	0-21	22-51	22-48	12-44	8-32	26-35	9-16
	48-84	GRV-FSL, GRV-SL	GW-GC	A-2-6	0-12	0-22	21-50	21-47	10-39	5-20	25-35	9-16
Paige----------	0-3	SPM	PT	A-8	0-35	0-35	---	---	---	---	---	---
	3-20	MEDL-SL	SM	A-2-4	0	0-34	63-92	61-92	46-74	24-41	0-41	NP-4
	20-48	MEDL-CB-SL	SM	A-4	0	8-23	74-95	73-95	54-77	28-43	0-32	NP-6
	48-62	CB-L	CL	A-4	0	8-23	74-95	73-95	66-95	49-78	19-34	2-13
	62-80	STX-COSL	GM	A-1-b	0	16-35	32-69	28-68	17-48	10-30	0-23	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7172:												
Waca----------	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Tahoe, gravelly----------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
7173:												
Kneeridge, very stony----------	0-2	SPM	PT	A-8	0-26	6-60	---	---	---	---	---	---
	2-16	MEDL-GR-SL	SM	A-1-b	0-13	0-13	70-88	40-75	29-62	13-33	34-56	2-7
	16-39	MEDL-GR-SL	SM	A-2-4	0-11	0-11	73-89	45-79	32-66	15-36	21-42	2-9
	39-79	GR-SL	SM	A-2-4	0-10	0-10	74-90	49-81	36-67	18-37	0-23	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7173:												
Jorge very gravelly sandy loam	0-2	SPM	PT	A-8	0-86	0-93	---	---	---	---	---	---
	2-24	GRV-SL	GM	A-1-a	0-14	0-25	18-46	18-43	9-35	4-19	28-58	4-9
	24-32	GRV-L, GRV-SL	GC-GM	A-2-4, A-1-b	0-12	0-23	20-49	20-46	11-44	8-32	22-36	5-12
	32-48	GRV-FSL, GRV-SL, GRV-L	GC	A-2-6	0-11	0-21	22-51	22-48	12-44	8-32	26-35	9-16
	48-84	GRV-FSL, GRV-SL	GW-GC	A-2-6	0-12	0-22	21-50	21-47	10-39	5-20	25-35	9-16
Paige----------	0-3	SPM	PT	A-8	0-35	0-35	---	---	---	---	---	---
	3-20	MEDL-SL	SM	A-2-4	0	0-34	63-92	61-92	46-74	24-41	0-41	NP-4
	20-48	MEDL-CB-SL	SM	A-4	0	8-23	74-95	73-95	54-77	28-43	0-32	NP-6
	48-62	CB-L	CL	A-4	0	8-23	74-95	73-95	66-95	49-78	19-34	2-13
	62-80	STX-COSL	GM	A-1-b	0	16-35	32-69	28-68	17-48	10-30	0-23	NP-6
Waca----------	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7173:												
Tahoe, gravelly----------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
7174:												
Kneeridge, very stony----------	0-2	SPM	PT	A-8	0-26	6-60	---	---	---	---	---	---
	2-16	GR-MEDL-SL	SM	A-1-b	0-13	0-13	70-88	40-75	29-62	13-33	34-56	2-7
	16-39	GR-MEDL-SL	SM	A-2-4	0-11	0-11	73-89	45-79	32-66	15-36	21-42	2-9
	39-79	GR-SL	SM	A-2-4	0-10	0-10	74-90	49-81	36-67	18-37	0-23	NP-6
Jorge very gravelly sandy loam	0-2	SPM	PT	A-8	0-86	0-93	---	---	---	---	---	---
	2-24	GRV-SL	GM	A-1-a	0-14	0-25	18-46	18-43	9-35	4-19	28-58	4-9
	24-32	GRV-L, GRV-SL	GC-GM	A-2-4, A-1-b	0-12	0-23	20-49	20-46	11-44	8-32	22-36	5-12
	32-48	GRV-FSL, GRV-SL, GRV-L	GC	A-2-6	0-11	0-21	22-51	22-48	12-44	8-32	26-35	9-16
	48-84	GRV-FSL, GRV-SL	GW-GC	A-2-6	0-12	0-22	21-50	21-47	10-39	5-20	25-35	9-16
Paige----------	0-3	SPM	PT	A-8	0-35	0-35	---	---	---	---	---	---
	3-20	MEDL-SL	SM	A-2-4	0	0-34	63-92	61-92	46-74	24-41	0-41	NP-4
	20-48	MEDL-CB-SL	SM	A-4	0	8-23	74-95	73-95	54-77	28-43	0-32	NP-6
	48-62	CB-L	CL	A-4	0	8-23	74-95	73-95	66-95	49-78	19-34	2-13
	62-80	STX-COSL	GM	A-1-b	0	16-35	32-69	28-68	17-48	10-30	0-23	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7174:												
Waca----------	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Tahoe, gravelly----------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7181:												
Paige	0-3	SPM	PT	A-8	0-35	0-35	---	---	---	---	---	---
	3-20	MEDL-SL	SM	A-2-4	0	0-34	63-92	61-92	46-74	24-41	0-41	NP-4
	20-48	MEDL-CB-SL	SM	A-4	0	8-23	74-95	73-95	54-77	28-43	0-32	NP-6
	48-62	CB-L	CL	A-4	0	8-23	74-95	73-95	66-95	49-78	19-34	2-13
	62-80	STX-COSL	GM	A-1-b	0	16-35	32-69	28-68	17-48	10-30	0-23	NP-6
Kneeridge, well drained	0-2	SPM	PT	A-8	3-37	6-57	---	---	---	---	---	---
	2-16	GR-MEDL-SL	SM	A-1-b	0-13	0-13	70-88	40-75	29-62	13-33	34-56	2-7
	16-39	GR-MEDL-SL	SM	A-2-4	0-11	0-11	73-89	45-79	32-66	15-36	21-42	2-9
	39-79	GR-SL	SM	A-2-4	0-10	0-10	74-90	49-81	36-67	18-37	0-23	NP-6
Jorge very gravelly sandy loam	0-2	SPM	PT	A-8	0-86	0-93	---	---	---	---	---	---
	2-24	GRV-SL	GM	A-1-a	0-14	0-25	18-46	18-43	9-35	4-19	28-58	4-9
	24-32	GRV-L, GRV-SL	GC-GM	A-2-4, A-1-b	0-12	0-23	20-49	20-46	11-44	8-32	22-36	5-12
	32-48	GRV-FSL, GRV-SL, GRV-L	GC	A-2-6	0-11	0-21	22-51	22-48	12-44	8-32	26-35	9-16
	48-84	GRV-FSL, GRV-SL	GW-GC	A-2-6	0-12	0-22	21-50	21-47	10-39	5-20	25-35	9-16
Tahoe, gravelly	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7181:												
Waca	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
7182:												
Paige	0-3	SPM	PT	A-8	0-35	0-35	---	---	---	---	---	---
	3-20	MEDL-SL	SM	A-2-4	0	0-34	63-92	61-92	46-74	24-41	0-41	NP-4
	20-48	MEDL-CB-SL	SM	A-4	0	8-23	74-95	73-95	54-77	28-43	0-32	NP-6
	48-62	CB-L	CL	A-4	0	8-23	74-95	73-95	66-95	49-78	19-34	2-13
	62-80	STX-COSL	GM	A-1-b	0	16-35	32-69	28-68	17-48	10-30	0-23	NP-6
Jorge very gravelly sandy loam	0-2	SPM	PT	A-8	0-86	0-93	---	---	---	---	---	---
	2-24	GRV-SL	GM	A-1-a	0-14	0-25	18-46	18-43	9-35	4-19	28-58	4-9
	24-32	GRV-L, GRV-SL	GC-GM	A-2-4, A-1-b	0-12	0-23	20-49	20-46	11-44	8-32	22-36	5-12
	32-48	GRV-FSL, GRV-SL, GRV-L	GC	A-2-6	0-11	0-21	22-51	22-48	12-44	8-32	26-35	9-16
	48-84	GRV-FSL, GRV-SL	GW-GC	A-2-6	0-12	0-22	21-50	21-47	10-39	5-20	25-35	9-16

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7182:												
Tahoma	0-3	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	3-14	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	29-51	3-13
	14-22	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	22-44	3-13
	22-38	GR-L	GC-GM	A-2-4	0	12-31	46-78	42-76	35-76	24-59	23-46	5-18
	38-59	GR-CL	CL	A-7-6	0	0-19	58-90	54-81	47-81	36-71	36-54	18-28
	59-71	CL	CL	A-7-6	0	0	74-100	74-100	62-99	48-79	36-52	18-28
	71-81	BR	---	---	---	---	---	---	---	---	---	---
Waca	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Kneeridge, well drained	0-2	SPM	PT	A-8	3-37	6-57	---	---	---	---	---	---
	2-16	MEDL-GR-SL	SM	A-1-b	0-13	0-13	70-88	40-75	29-62	13-33	34-56	2-7
	16-39	GR-MEDL-SL	SM	A-2-4	0-11	0-11	73-89	45-79	32-66	15-36	21-42	2-9
	39-79	GR-SL	SM	A-2-4	0-10	0-10	74-90	49-81	36-67	18-37	0-23	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7182:												
Tahoe, gravelly----------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
7183:												
Paige----------	0-3	SPM	PT	A-8	0-35	0-35	---	---	---	---	---	---
	3-20	MEDL-SL	SM	A-2-4	0	0-34	63-92	61-92	46-74	24-41	0-41	NP-4
	20-48	MEDL-CB-SL	SM	A-4	0	8-23	74-95	73-95	54-77	28-43	0-32	NP-6
	48-62	CB-L	CL	A-4	0	8-23	74-95	73-95	66-95	49-78	19-34	2-13
	62-80	STX-COSL	GM	A-1-b	0	16-35	32-69	28-68	17-48	10-30	0-23	NP-6
Jorge very gravelly sandy loam	0-2	SPM	PT	A-8	0-86	0-93	---	---	---	---	---	---
	2-24	GRV-SL	GM	A-1-a	0-14	0-25	18-46	18-43	9-35	4-19	28-58	4-9
	24-32	GRV-L, GRV-SL	GC-GM	A-2-4, A-1-b	0-12	0-23	20-49	20-46	11-44	8-32	22-36	5-12
	32-48	GRV-FSL, GRV-SL, GRV-L	GC	A-2-6	0-11	0-21	22-51	22-48	12-44	8-32	26-35	9-16
	48-84	GRV-FSL, GRV-SL	GW-GC	A-2-6	0-12	0-22	21-50	21-47	10-39	5-20	25-35	9-16
Tahoma----------	0-3	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	3-14	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	29-51	3-13
	14-22	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	22-44	3-13
	22-38	GR-L	GC-GM	A-2-4	0	12-31	46-78	42-76	35-76	24-59	23-46	5-18
	38-59	GR-CL	CL	A-7-6	0	0-19	58-90	54-81	47-81	36-71	36-54	18-28
	59-71	CL	CL	A-7-6	0	0	74-100	74-100	62-99	48-79	36-52	18-28
	71-81	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7183:												
Waca----------	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Tahoe, gravelly----------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
7191:												
Rock outcrop, volcanic.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7191:												
Glenalpine	0-11	CBV-FSL	SM	A-2-4	0-15	15-42	60-91	45-87	25-83	9-36	23-42	2-9
	11-40	CBX-FSL	SC-SM	A-1-b	0	42-71	56-89	13-78	11-75	5-37	18-36	2-9
	40-50	CBX-FSL	SM	A-2-4	0	42-71	58-95	16-91	14-84	6-41	0-25	NP-6
	50-59	CBX-FSL	GM	A-1-b	0	16-35	32-69	28-68	17-48	10-30	0-23	NP-6
Lithnip	0-2	GRX-SL	GP-GM	A-1	0-8	5-15	40-55	15-25	10-20	5-15	20-30	NP-5
	2-5	GRV-SL, GRX-SL	GW-GM	A-1	0-5	5-15	25-45	15-35	5-25	0-20	20-30	NP-5
	5-15	BR	---	---	---	---	---	---	---	---	---	---
Meiss	0-6	CB-ASHY-L	GM	A-7-5	0	13-33	49-76	46-75	39-71	29-55	42-67	9-16
	6-13	GR-ASHY-SL, GR-ASHY-L	GM	A-7-5	0	5-33	49-77	46-76	39-72	29-56	31-60	9-16
	13-23	UWB	---	---	---	---	---	---	---	---	0-14	NP
Melody	0-1	SPM	PT	A-8	13-62	10-44	---	---	---	---	---	---
	1-2	CBV-ASHY-SL	SM	A-2-5	0	22-57	53-83	51-82	37-72	17-40	0-71	NP-11
	2-9	ASHY-CBV-SL	SM	A-2-4	0	47-66	46-82	46-81	32-73	16-44	0-49	NP-11
	9-15	ASHY-CBV-SL, CBV-LCOS	SM	A-2-4	0	47-66	46-78	46-77	17-69	9-41	0-45	NP-11
	15-25	BR	---	---	---	---	---	---	---	---	---	---
Rubble land.												
7201:												
Rubble land, talus.												
Glenalpine	0-11	CBV-FSL	SM	A-2-4	0-15	15-42	60-91	45-87	25-83	9-36	23-42	2-9
	11-40	CBX-FSL	SC-SM	A-1-b	0	42-71	56-89	13-78	11-75	5-37	18-36	2-9
	40-50	CBX-FSL	SM	A-2-4	0	42-71	58-95	16-91	14-84	6-41	0-25	NP-6
	50-59	CBX-FSL	GM	A-1-b	0	16-35	32-69	28-68	17-48	10-30	0-23	NP-6
Rock outcrop.												
Rockbound very stony loam	0-2	GRV-COS	GP-GM	A-1-a	0-18	5-22	18-45	14-42	7-22	2-7	0-49	NP-2
	2-5	CBV-COS, CBX-COS	GP-GM	A-1-a	0-16	23-58	16-74	12-73	6-37	2-13	0-27	NP-2
	5-17	CBV-COS, CBX-COS	SP-SM	A-1-b	0-16	23-58	16-74	12-73	6-37	2-13	0-27	NP-2
	17-27	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7211:												
Southcamp	0-2	SPM	PT	A-8	0	0-74	---	---	---	---	---	---
	2-4	GRV-FSL	GM	A-2-4	0	0	40-71	37-64	32-64	12-32	27-51	3-13
	4-15	CBX-L	GC	A-2-6	8-30	37-63	18-69	14-67	11-63	8-48	21-38	6-19
	15-34	CBX-CL	GC	A-2-7	16-43	54-73	22-70	18-69	16-67	13-53	37-49	18-25
	34-53	STX-CL	GC	A-2-7	54-73	16-43	22-70	18-69	15-64	12-50	36-47	19-25
	53-60	STX-CL	GC	A-2-7	54-73	16-43	22-70	18-69	15-64	12-50	36-47	19-25
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Genoapeak	0-2	SPM	PT	A-8	0	2-16	---	---	---	---	---	---
	2-4	GRV-SL	GM	A-1-a	0	0	33-56	29-53	21-42	11-22	0-34	NP-2
	4-7	GRV-COSL	GC-GM	A-1-a	0	7-35	30-60	30-57	13-36	7-21	0-27	NP-6
	7-16	CB	GP-GM	A-1-a	0	56-72	19-51	13-47	8-30	5-17	0-14	NP
	16-60	CB	GP-GM	A-1-a	0	65-83	10-42	8-38	---	---	0-14	NP
Zephyrcove	0-2	SPM	PT	A-8	70-91	4-23	---	---	---	---	---	---
	2-4	MPM	PT	A-8	0-91	0	---	---	---	---	---	---
	4-7	ST-SL	SM	A-4	0-22	0	83-100	82-100	61-80	31-43	0-39	NP-3
	7-16	ST-SL	SM	A-4	0-22	0	83-100	82-100	60-82	31-46	0-27	NP-6
	16-35	GR-SCL, GR-SL	SC	A-6	0	0	66-85	64-84	49-78	24-46	24-42	8-21
	35-44	BR	---	---	---	---	---	---	---	---	---	---
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Deerhill	0-1	SPM	PT	A-8	0-63	0-63	---	---	---	---	---	---
	1-9	FSL	SM	A-2-4	0	0	85-95	77-92	67-86	28-39	22-38	1-6
	1-9	GR-FSL	SM	A-2-4	0	0	82-85	67-77	59-72	25-33	22-38	1-6
	9-35	FSL, GR-FSL	SC-SM	A-2-4	0-3	0-12	80-92	67-92	59-86	26-41	20-30	3-8
	35-51	L	CL	A-6	0	0	100	100	81-93	58-70	26-40	9-18
	51-65	PGRX-L	CL	A-6	0	0	100	100	81-93	58-70	26-40	9-18

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7211:												
Aquic Xerorthents----------	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
7221:												
Tahoma----------	0-3	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	3-14	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	29-51	3-13
	14-22	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	22-44	3-13
	22-38	GR-L	GC-GM	A-2-4	0	12-31	46-78	42-76	35-76	24-59	23-46	5-18
	38-59	GR-CL	CL	A-7-6	0	0-19	58-90	54-81	47-81	36-71	36-54	18-28
	59-71	CL	CL	A-7-6	0	0	74-100	74-100	62-99	48-79	36-52	18-28
	71-81	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7221:												
Waca----------	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Inville----------	0-2	SPM	PT	A-8	0-78	0-63	---	---	---	---	---	---
	2-12	GR-COSL	SM	A-1-b	0	0	71-86	51-83	29-56	16-34	20-44	2-9
	12-37	CBX-SL	GC	A-2-4	0	31-54	34-71	15-67	11-55	5-30	20-35	4-13
	37-56	GRX-LCOS	GP-GM	A-1-a	0	28-40	21-45	9-42	5-26	2-12	0-18	NP-2
Rubble land.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7221:												
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
Ellispeak	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
7222:												
Tahoma	0-3	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	3-14	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	29-51	3-13
	14-22	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	22-44	3-13
	22-38	GR-L	GC-GM	A-2-4	0	12-31	46-78	42-76	35-76	24-59	23-46	5-18
	38-59	GR-CL	CL	A-7-6	0	0-19	58-90	54-81	47-81	36-71	36-54	18-28
	59-71	CL	CL	A-7-6	0	0	74-100	74-100	62-99	48-79	36-52	18-28
	71-81	BR	---	---	---	---	---	---	---	---	---	---
Jorge very gravelly sandy loam	0-2	SPM	PT	A-8	0-86	0-93	---	---	---	---	---	---
	2-24	GRV-SL	GM	A-1-a	0-14	0-25	18-46	18-43	9-35	4-19	28-58	4-9
	24-32	GRV-L, GRV-SL	GC-GM	A-2-4, A-1-b	0-12	0-23	20-49	20-46	11-44	8-32	22-36	5-12
	32-48	GRV-FSL, GRV-SL, GRV-L	GC	A-2-6	0-11	0-21	22-51	22-48	12-44	8-32	26-35	9-16
	48-84	GRV-FSL, GRV-SL	GW-GC	A-2-6	0-12	0-22	21-50	21-47	10-39	5-20	25-35	9-16

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7222:												
Waca----------	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Inville----------	0-2	SPM	PT	A-8	0-78	0-63	---	---	---	---	---	---
	2-12	GR-COSL	SM	A-1-b	0	0	71-86	51-83	29-56	16-34	20-44	2-9
	12-37	CBX-SL	GC	A-2-4	0	31-54	34-71	15-67	11-55	5-30	20-35	4-13
	37-56	GRX-LCOS	GP-GM	A-1-a	0	28-40	21-45	9-42	5-26	2-12	0-18	NP-2
Rubble land.												
Ellispeak----------	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7222:												
Tahoe, gravelly----------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
7231:												
Waca----------	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Ellispeak----------	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7231:												
Rock outcrop.												
Windy	0-2	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-11	GRV-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	GR-COSL, GRV-L, GRV-SL, L, SL, COSL, GR-L, GR-SL, GRV-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	GR-COSL, GRV-L, GRV-SL, L, SL, COSL, GR-L, GR-SL, GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-49	GR-COSL, GRV-L, GRV-SL, L, SL, COSL, GR-L, GR-SL, GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Kneeridge, well drained	0-2	SPM	PT	A-8	3-37	6-57	---	---	---	---	---	---
	2-16	MEDL-GR-SL	SM	A-1-b	0-13	0-13	70-88	40-75	29-62	13-33	34-56	2-7
	16-39	MEDL-GR-SL	SM	A-2-4	0-11	0-11	73-89	45-79	32-66	15-36	21-42	2-9
	39-79	GR-SL	SM	A-2-4	0-10	0-10	74-90	49-81	36-67	18-37	0-23	NP-6
Paige	0-3	SPM	PT	A-8	0-35	0-35	---	---	---	---	---	---
	3-20	MEDL-SL	SM	A-2-4	0	0-34	63-92	61-92	46-74	24-41	0-41	NP-4
	20-48	MEDL-CB-SL	SM	A-4	0	8-23	74-95	73-95	54-77	28-43	0-32	NP-6
	48-62	CB-L	CL	A-4	0	8-23	74-95	73-95	66-95	49-78	19-34	2-13
	62-80	STX-COSL	GM	A-1-b	0	16-35	32-69	28-68	17-48	10-30	0-23	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7231:												
Aquic Xerorthents----------	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
7232:												
Waca----------	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7232:												
Ellispeak	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
Windy	0-2	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-11	GRV-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	GR-COSL, GRV-L, GRV-SL, L, SL, COSL, GR-L, GR-SL, GRV-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	GR-COSL, GRV-L, GRV-SL, L, SL, COSL, GR-L, GR-SL, GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-49	GR-COSL, GRV-L, GRV-SL, L, SL, COSL, GR-L, GR-SL, GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Kneeridge, well drained	0-2	SPM	PT	A-8	3-37	6-57	---	---	---	---	---	---
	2-16	MEDL-GR-SL	SM	A-1-b	0-13	0-13	70-88	40-75	29-62	13-33	34-56	2-7
	16-39	MEDL-GR-SL	SM	A-2-4	0-11	0-11	73-89	45-79	32-66	15-36	21-42	2-9
	39-79	GR-SL	SM	A-2-4	0-10	0-10	74-90	49-81	36-67	18-37	0-23	NP-6
Paige	0-3	SPM	PT	A-8	0-35	0-35	---	---	---	---	---	---
	3-20	MEDL-SL	SM	A-2-4	0	0-34	63-92	61-92	46-74	24-41	0-41	NP-4
	20-48	MEDL-CB-SL	SM	A-4	0	8-23	74-95	73-95	54-77	28-43	0-32	NP-6
	48-62	CB-L	CL	A-4	0	8-23	74-95	73-95	66-95	49-78	19-34	2-13
	62-80	STX-COSL	GM	A-1-b	0	16-35	32-69	28-68	17-48	10-30	0-23	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7232:												
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
Typic Epiaquents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7233:												
Waca----------	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Ellispeak----------	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7233:												
Windy----------	0-2	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-11	GRV-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	GR-COSL, GRV-L, GRV-SL, L, SL, COSL, GR-L, GR-SL, GRV-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	GR-COSL, GRV-L, GRV-SL, L, SL, COSL, GR-L, GR-SL, GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-49	GR-COSL, GRV-L, GRV-SL, L, SL, COSL, GR-L, GR-SL, GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Kneeridge, well drained--------	0-2	SPM	PT	A-8	3-37	6-57	---	---	---	---	---	---
	2-16	GR-MEDL-SL	SM	A-1-b	0-13	0-13	70-88	40-75	29-62	13-33	34-56	2-7
	16-39	GR-MEDL-SL	SM	A-2-4	0-11	0-11	73-89	45-79	32-66	15-36	21-42	2-9
	39-79	GR-SL	SM	A-2-4	0-10	0-10	74-90	49-81	36-67	18-37	0-23	NP-6
Paige----------	0-3	SPM	PT	A-8	0-35	0-35	---	---	---	---	---	---
	3-20	MEDL-SL	SM	A-2-4	0	0-34	63-92	61-92	46-74	24-41	0-41	NP-4
	20-48	MEDL-CB-SL	SM	A-4	0	8-23	74-95	73-95	54-77	28-43	0-32	NP-6
	48-62	CB-L	CL	A-4	0	8-23	74-95	73-95	66-95	49-78	19-34	2-13
	62-80	STX-COSL	GM	A-1-b	0	16-35	32-69	28-68	17-48	10-30	0-23	NP-6
Aquic Xerorthents----------	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7241:												
Zephyrcove	0-2	SPM	PT	A-8	70-91	4-23	---	---	---	---	---	---
	2-4	MPM	PT	A-8	0-91	0	---	---	---	---	---	---
	4-7	ST-SL	SM	A-4	0-22	0	83-100	82-100	61-80	31-43	0-39	NP-3
	7-16	ST-SL	SM	A-4	0-22	0	83-100	82-100	60-82	31-46	0-27	NP-6
	16-35	GR-SCL, GR-SL	SC	A-6	0	0	66-85	64-84	49-78	24-46	24-42	8-21
	35-44	BR	---	---	---	---	---	---	---	---	---	---
Southcamp	0-2	SPM	PT	A-8	0	0-74	---	---	---	---	---	---
	2-4	GRV-FSL	GM	A-2-4	0	0	40-71	37-64	32-64	12-32	27-51	3-13
	4-15	CBX-L	GC	A-2-6	8-30	37-63	18-69	14-67	11-63	8-48	21-38	6-19
	15-34	CBX-CL	GC	A-2-7	16-43	54-73	22-70	18-69	16-67	13-53	37-49	18-25
	34-53	STX-CL	GC	A-2-7	54-73	16-43	22-70	18-69	15-64	12-50	36-47	19-25
	53-60	STX-CL	GC	A-2-7	54-73	16-43	22-70	18-69	15-64	12-50	36-47	19-25
Genoapeak	0-2	SPM	PT	A-8	0	2-16	---	---	---	---	---	---
	2-4	GRV-SL	GM	A-1-a	0	0	33-56	29-53	21-42	11-22	0-34	NP-2
	4-7	GRV-COSL	GC-GM	A-1-a	0	7-35	30-60	30-57	13-36	7-21	0-27	NP-6
	7-16	CB	GP-GM	A-1-a	0	56-72	19-51	13-47	8-30	5-17	0-14	NP
	16-60	CB	GP-GM	A-1-a	0	65-83	10-42	8-38	---	---	0-14	NP
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Deerhill	0-1	SPM	PT	A-8	0-63	0-63	---	---	---	---	---	---
	1-9	GR-FSL	SM	A-2-4	0	0	82-85	67-77	59-72	25-33	22-38	1-6
	1-9	FSL	SM	A-2-4	0	0	85-95	77-92	67-86	28-39	22-38	1-6
	9-35	FSL, GR-FSL	SC-SM	A-2-4	0-3	0-12	80-92	67-92	59-86	26-41	20-30	3-8
	35-51	L	CL	A-6	0	0	100	100	81-93	58-70	26-40	9-18
	51-65	PGRX-L	CL	A-6	0	0	100	100	81-93	58-70	26-40	9-18

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7241:												
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
7242:												
Zephyrcove	0-2	SPM	PT	A-8	70-91	4-23	---	---	---	---	---	---
	2-4	MPM	PT	A-8	0-91	0	---	---	---	---	---	---
	4-7	ST-SL	SM	A-4	0-22	0	83-100	82-100	61-80	31-43	0-39	NP-3
	7-16	ST-SL	SM	A-4	0-22	0	83-100	82-100	60-82	31-46	0-27	NP-6
	16-35	GR-SCL, GR-SL	SC	A-6	0	0	66-85	64-84	49-78	24-46	24-42	8-21
	35-44	BR	---	---	---	---	---	---	---	---	---	---
Southcamp	0-2	SPM	PT	A-8	0	0-74	---	---	---	---	---	---
	2-4	GRV-FSL	GM	A-2-4	0	0	40-71	37-64	32-64	12-32	27-51	3-13
	4-15	CBX-L	GC	A-2-6	8-30	37-63	18-69	14-67	11-63	8-48	21-38	6-19
	15-34	CBX-CL	GC	A-2-7	16-43	54-73	22-70	18-69	16-67	13-53	37-49	18-25
	34-53	STX-CL	GC	A-2-7	54-73	16-43	22-70	18-69	15-64	12-50	36-47	19-25
	53-60	STX-CL	GC	A-2-7	54-73	16-43	22-70	18-69	15-64	12-50	36-47	19-25
Genoapeak	0-2	SPM	PT	A-8	0	2-16	---	---	---	---	---	---
	2-4	GRV-SL	GM	A-1-a	0	0	33-56	29-53	21-42	11-22	0-34	NP-2
	4-7	GRV-COSL	GC-GM	A-1-a	0	7-35	30-60	30-57	13-36	7-21	0-27	NP-6
	7-16	CB	GP-GM	A-1-a	0	56-72	19-51	13-47	8-30	5-17	0-14	NP
	16-60	CB	GP-GM	A-1-a	0	65-83	10-42	8-38	---	---	0-14	NP
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7242:												
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Deerhill	0-1	SPM	PT	A-8	0-63	0-63	---	---	---	---	---	---
	1-9	FSL	SM	A-2-4	0	0	85-95	77-92	67-86	28-39	22-38	1-6
	1-9	GR-FSL	SM	A-2-4	0	0	82-85	67-77	59-72	25-33	22-38	1-6
	9-35	FSL, GR-FSL	SC-SM	A-2-4	0-3	0-12	80-92	67-92	59-86	26-41	20-30	3-8
	35-51	L	CL	A-6	0	0	100	100	81-93	58-70	26-40	9-18
	51-65	PGRX-L	CL	A-6	0	0	100	100	81-93	58-70	26-40	9-18
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
7401:												
Burnlake	0-2	GRX-SL	GW-GM	A-1	0-15	0-10	30-50	15-25	10-20	5-15	20-25	NP-5
	2-17	GRX-SL, GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	17-26	GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	26-60	GRV-LCOS, GRX-LS	SM, SP-SM	A-1	0-15	0-25	35-55	15-35	10-25	5-15	---	NP
Roadcat	0-8	GRX-LCOS	SM, SP-SM	A-1	0-25	0-20	40-60	20-40	10-25	5-15	0-14	NP
	8-19	GRX-COSL	GM, GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	15-20	NP-5
	19-36	GRX-LCOS	GP-GM	A-1	0-10	5-20	30-45	10-25	5-20	0-10	15-20	NP
	36-60	GRX-LCOS	GP-GM	A-1	0-10	5-20	30-45	10-25	5-20	0-10	15-20	NP

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7401:												
Hardtil	0-3	GR-LCOS	SM, SP-SM	A-1	0-20	0-15	80-90	60-70	30-50	5-15	0-14	NP
	3-7	GRV-COSL	SM, SP-SM	A-1	0-15	0-15	55-70	35-50	20-35	5-20	10-25	NP-5
	7-18	GRV-COSL	GM	A-1	0-15	0-15	45-55	25-35	25-35	10-20	10-25	NP-5
	18-28	BR	---	---	---	---	---	---	---	---	---	---
Aquic Haplocryolls	0-12	BYV-SL	SM	A-1	10-40	10-25	70-85	35-60	20-30	10-20	20-25	NP-5
	12-30	GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	30-39	GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	39-60	GRV-LCOS, GRX-LS	SM, SP-SM	A-1	0-15	0-15	55-75	20-40	10-25	5-15	---	NP
Aspetill	0-5	GRV-SL	GM	A-2	0-10	0-15	45-60	40-55	35-50	25-35	20-30	NP-5
	5-26	GRX-SCL, CBX-COSL, CBX-SCL	GW-GC	A-2	0-20	25-55	25-45	15-30	10-25	5-15	30-35	10-15
	26-60	CBX-COSL, CBX-SCL, GRX-COSL	GW-GC	A-2	0-20	25-55	30-50	20-40	10-25	5-15	30-35	10-15
Cumulic Cryaquolls	0-12	BYV-SL	SM	A-1	10-40	10-25	70-85	35-60	20-30	10-20	20-25	NP-5
	12-30	GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	30-39	GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	39-60	GRV-LCOS, GRX-LS	SM, SP-SM	A-1	0-15	0-15	55-75	20-40	10-25	5-15	---	NP
Stumpatil	0-6	GRV-COSL	SM, GM	A-1	5-15	0-10	55-65	40-50	20-30	10-20	20-25	NP-5
	6-11	GRV-COSL	GM	A-1, A-2	0-15	0-18	50-65	35-50	20-35	15-30	10-25	NP-5
	11-26	GRV-COSL, GRV-SL	GM	A-1, A-2	0-15	0-25	50-65	35-50	20-35	15-30	10-25	NP-5
	26-33	GRV-COSL, GRV-SL	GM	A-1, A-2	0-15	0-25	50-65	35-50	20-35	15-30	20-25	NP-5
	33-60	GRV-COSL, GRV-SL	GM	A-1, A-2	0-15	0-25	50-65	35-50	20-35	15-30	20-25	NP-5
Typic Haploxerepts	0-8	BY-LCOS	SM, SP-SM	A-1	0-25	0-15	60-80	20-40	10-25	5-15	0-14	NP
	8-19	GRX-COSL	GM, GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	15-20	NP-5
	19-36	GRX-LCOS	GP-GM	A-1	0-10	5-20	30-45	10-25	5-20	0-10	15-20	NP
	36-60	GRX-LCOS	GP-GM	A-1	0-10	5-20	30-45	10-25	5-20	0-10	15-20	NP
Rock outcrop.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7411:												
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop, granitic.												
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Toem	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---
Dagget very gravelly loamy coarse sand	0-1	SPM	PT	A-8	6-76	2-57	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Temo	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Witefels	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7412:												
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop, granitic.												
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Toem	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---
Dagget very gravelly loamy coarse sand	0-1	SPM	PT	A-8	6-76	2-57	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Temo	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Witefels	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7413:												
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop, granitic.												
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Toem	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---
Dagget very gravelly loamy coarse sand	0-1	SPM	PT	A-8	6-76	2-57	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Temo	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Witefels	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7414:												
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop, granitic.												
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Toem	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---
Dagget very gravelly loamy coarse sand	0-1	SPM	PT	A-8	6-76	2-57	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Temo	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Witefels	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7421:												
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Toem	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
Christopher gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-5	GR-LCOS	SM	A-1-b	0	0	79-92	59-85	32-49	11-19	0-28	NP-2
	5-32	LCOS	SM	A-1-b	0	0	89-98	79-97	43-58	15-23	0-21	NP-3
	32-41	GR-LCOS	SM	A-1-b	0	0	79-92	59-85	32-50	11-20	0-21	NP-3
	41-71	GRV-LCOS	SP-SM	A-1-b	0	0-12	59-92	38-65	21-49	7-19	0-19	NP-2
Christopher loamy coarse sand	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-8	LCOS	SM	A-1-b, A-2-4	0	0	91-100	76-94	41-57	15-23	0-29	NP-2
	8-26	LCOS	SM	A-2-4, A-1-b	0	0	92-100	77-95	42-57	15-23	0-20	NP-2
	26-42	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	43-58	18-26	0-19	NP-2
	42-61	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	44-59	18-27	0-19	NP-2
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7422:												
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Dagget very gravelly loamy coarse sand	0-1	SPM	PT	A-8	6-76	2-57	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Toem	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7422:												
Christopher gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-5	GR-LCOS	SM	A-1-b	0	0	79-92	59-85	32-49	11-19	0-28	NP-2
	5-32	LCOS	SM	A-1-b	0	0	89-98	79-97	43-58	15-23	0-21	NP-3
	32-41	GR-LCOS	SM	A-1-b	0	0	79-92	59-85	32-50	11-20	0-21	NP-3
	41-71	GRV-LCOS	SP-SM	A-1-b	0	0-12	59-92	38-65	21-49	7-19	0-19	NP-2
Rock outcrop.												
7423:												
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Toem	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
Christopher gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-5	GR-LCOS	SM	A-1-b	0	0	79-92	59-85	32-49	11-19	0-28	NP-2
	5-32	LCOS	SM	A-1-b	0	0	89-98	79-97	43-58	15-23	0-21	NP-3
	32-41	GR-LCOS	SM	A-1-b	0	0	79-92	59-85	32-50	11-20	0-21	NP-3
	41-71	GRV-LCOS	SP-SM	A-1-b	0	0-12	59-92	38-65	21-49	7-19	0-19	NP-2

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7423:												
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
7424:												
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Toem	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7424:												
Aquic Xerorthents----------	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
7425:												
Cassenai, moist----------	0-3	SPM	PT	A-8	0-78	0-86	---	---	---	---	---	---
	3-11	CB-LCOS	SM	A-1-b	0-21	0-30	69-98	57-93	21-55	7-22	0-43	NP-2
	11-20	LS, CB-LCOS	SM	A-1-b	0-18	0-26	71-98	62-89	23-53	8-21	0-27	NP-2
	20-63	LS, GR-LCOS, GR-COS	SW-SM, SM	A-1-b	0	0-14	78-96	51-88	19-45	5-15	0-18	NP-2
Cagwin----------	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Meeks, extremely bouldery------	0-2	SPM	PT	A-8	74-94	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Tallac, very stony----------	0-1	SPM	PT	A-8	17-65	13-52	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Rock outcrop.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7425:												
Toem	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
7426:												
Cassenai, moist	0-3	SPM	PT	A-8	0-78	0-86	---	---	---	---	---	---
	3-11	CB-LCOS	SM	A-1-b	0-21	0-30	69-98	57-93	21-55	7-22	0-43	NP-2
	11-20	LS, CB-LCOS	SM	A-1-b	0-18	0-26	71-98	62-89	23-53	8-21	0-27	NP-2
	20-63	LS, GR-LCOS, GR-COS	SW-SM, SM	A-1-b	0	0-14	78-96	51-88	19-45	5-15	0-18	NP-2
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Tallac, very stony	0-1	SPM	PT	A-8	17-65	13-52	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Meeks, extremely bouldery	0-2	SPM	PT	A-8	74-94	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Rock outcrop.												
Toem	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7426:												
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
7427:												
Cassenai, moist	0-3	SPM	PT	A-8	0-78	0-86	---	---	---	---	---	---
	3-11	CB-LCOS	SM	A-1-b	0-21	0-30	69-98	57-93	21-55	7-22	0-43	NP-2
	11-20	LS, CB-LCOS	SM	A-1-b	0-18	0-26	71-98	62-89	23-53	8-21	0-27	NP-2
	20-63	LS, GR-LCOS, GR-COS	SW-SM, SM	A-1-b	0	0-14	78-96	51-88	19-45	5-15	0-18	NP-2
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Meeks, extremely bouldery	0-2	SPM	PT	A-8	74-94	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7427:												
Toem	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
Tallac, very stony	0-1	SPM	PT	A-8	17-65	13-52	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
7428:												
Cassenai, moist	0-3	SPM	PT	A-8	0-78	0-86	---	---	---	---	---	---
	3-11	CB-LCOS	SM	A-1-b	0-21	0-30	69-98	57-93	21-55	7-22	0-43	NP-2
	11-20	LS, CB-LCOS	SM	A-1-b	0-18	0-26	71-98	62-89	23-53	8-21	0-27	NP-2
	20-63	LS, GR-LCOS, GR-COS	SW-SM, SM	A-1-b	0	0-14	78-96	51-88	19-45	5-15	0-18	NP-2
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7428:												
Meeks, extremely bouldery------	0-2	SPM	PT	A-8	74-94	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Toem----------	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
Tallac, very stony----------	0-1	SPM	PT	A-8	17-65	13-52	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Aquic Xerorthents----------	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
7431:												
Celio----------	0-8	LCOS	SM	A-2-4	0	0-26	75-100	75-100	36-57	11-21	0-36	NP-2
	8-16	GR-LCOS	SM	A-1-b	0	9-26	48-81	48-80	25-48	9-20	0-31	NP-2
	16-23	GR-LCOS	SM	A-1-b	0	8-24	51-83	51-82	27-48	9-19	0-24	NP-2
	23-45	GRX-COS		A-1-a	0	8-24	14-45	10-42	4-20	1-5	0-21	NP-2
	45-56	MAT			---	---	---	---	---	---	---	---
	56-80	GRX-COS	GW	A-1-a	0	0-15	19-50	15-45	6-22	1-4	0-19	NP-2

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7431:												
Meeks, stony	0-2	SPM	PT	A-8	0-33	0-35	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Tahoe, gravelly	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
Watah	0-3	PEAT	PT	A-8	0	0	---	---	---	---	---	---
	3-8	MPT	PT	A-8	0	0	---	---	---	---	---	---
	8-15	MK-GR-COSL, MK-COSL	SM	A-1-b	0	0	55-100	53-100	32-68	18-42	0-66	NP-4
	15-63	GR-LCOS, LCOS	SM	A-1-b	0	0	57-100	55-100	32-66	13-32	0-23	NP-4
7441:												
Christopher loamy coarse sand	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-8	LCOS	SM	A-1-b, A-2-4	0	0	91-100	76-94	41-57	15-23	0-29	NP-2
	8-26	LCOS	SM	A-2-4, A-1-b	0	0	92-100	77-95	42-57	15-23	0-20	NP-2
	26-42	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	43-58	18-26	0-19	NP-2
	42-61	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	44-59	18-27	0-19	NP-2
Gefo gravelly loamy coarse sand	0-15	GR-LCOS	SM	A-1-b	0	0	78-92	51-75	29-47	12-22	0-35	NP-4
	15-75	GR-COS, LCOS	SP-SM	A-1-b	0	0	79-92	51-76	23-39	4-10	0-20	NP-4

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7441:												
Jabu	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-7	COSL	SM	A-2-4	0	0	72-89	72-89	37-57	20-32	20-34	1-5
	7-21	COSL, LCOS	SC-SM	A-2-4	0	0	76-83	76-82	40-53	23-32	19-27	3-7
	21-46	GR-COSL, LCOS	SC-SM	A-1-b	0	0	52-92	52-91	22-62	12-38	19-26	4-9
	46-67	COSL, LCOS	SM	A-2-4	0	0	88-97	80-97	49-67	29-43	0-21	NP-6
	67-73	SR- FSL SIC	SC	A-2-4	0	0	79-92	79-92	46-75	19-40	0-28	NP-12
	73-101	COSL, LCOS	SM	A-2-4	0	0	85-93	80-92	41-64	21-39	0-26	NP-9
Oneidas	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-9	COSL	SM	A-2-4	0	0	75-100	72-95	28-61	14-34	20-35	1-7
	9-12	COSL, SL	SC-SM	A-2-4	0	0	78-100	77-96	32-64	17-37	19-29	3-9
	12-65	COSL, SL, GR-COSL	SC	A-2-4	0	0	80-100	79-97	33-64	17-38	18-28	3-12
	65-79	COSL, LCOS	SC-SM	A-2-4	0	0	80-100	80-97	34-68	14-35	0-26	NP-9
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
7442:												
Christopher loamy coarse sand	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-8	LCOS	SM	A-1-b, A-2-4	0	0	91-100	76-94	41-57	15-23	0-29	NP-2
	8-26	LCOS	SM	A-2-4, A-1-b	0	0	92-100	77-95	42-57	15-23	0-20	NP-2
	26-42	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	43-58	18-26	0-19	NP-2
	42-61	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	44-59	18-27	0-19	NP-2
Gefo gravelly loamy coarse sand	0-15	GR-LCOS	SM	A-1-b	0	0	78-92	51-75	29-47	12-22	0-35	NP-4
	15-75	GR-COS, LCOS	SP-SM	A-1-b	0	0	79-92	51-76	23-39	4-10	0-20	NP-4
Jabu	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-7	COSL	SM	A-2-4	0	0	72-89	72-89	37-57	20-32	20-34	1-5
	7-21	COSL, LCOS	SC-SM	A-2-4	0	0	76-83	76-82	40-53	23-32	19-27	3-7
	21-46	GR-COSL, LCOS	SC-SM	A-1-b	0	0	52-92	52-91	22-62	12-38	19-26	4-9
	46-67	COSL, LCOS	SM	A-2-4	0	0	88-97	80-97	49-67	29-43	0-21	NP-6
	67-73	SR- FSL SIC	SC	A-2-4	0	0	79-92	79-92	46-75	19-40	0-28	NP-12
	73-101	COSL, LCOS	SM	A-2-4	0	0	85-93	80-92	41-64	21-39	0-26	NP-9

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7442:												
Oneidas	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-9	COSL	SM	A-2-4	0	0	75-100	72-95	28-61	14-34	20-35	1-7
	9-12	COSL, SL	SC-SM	A-2-4	0	0	78-100	77-96	32-64	17-37	19-29	3-9
	12-65	COSL, SL, GR-COSL	SC	A-2-4	0	0	80-100	79-97	33-64	17-38	18-28	3-12
	65-79	COSL, LCOS	SC-SM	A-2-4	0	0	80-100	80-97	34-68	14-35	0-26	NP-9
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
7443:												
Christopher gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-5	GR-LCOS	SM	A-1-b	0	0	79-92	59-85	32-49	11-19	0-28	NP-2
	5-32	LCOS	SM	A-1-b	0	0	89-98	79-97	43-58	15-23	0-21	NP-3
	32-41	GR-LCOS	SM	A-1-b	0	0	79-92	59-85	32-50	11-20	0-21	NP-3
	41-71	GRV-LCOS	SP-SM	A-1-b	0	0-12	59-92	38-65	21-49	7-19	0-19	NP-2
Gefo gravelly loamy coarse sand	0-15	GR-LCOS	SM	A-1-b	0	0	78-92	51-75	29-47	12-22	0-35	NP-4
	15-75	GR-COS, LCOS	SP-SM	A-1-b	0	0	79-92	51-76	23-39	4-10	0-20	NP-4
Jabu	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-7	COSL	SM	A-2-4	0	0	72-89	72-89	37-57	20-32	20-34	1-5
	7-21	COSL, LCOS	SC-SM	A-2-4	0	0	76-83	76-82	40-53	23-32	19-27	3-7
	21-46	GR-COSL, LCOS	SC-SM	A-1-b	0	0	52-92	52-91	22-62	12-38	19-26	4-9
	46-67	COSL, LCOS	SM	A-2-4	0	0	88-97	80-97	49-67	29-43	0-21	NP-6
	67-73	SR- FSL SIC	SC	A-2-4	0	0	79-92	79-92	46-75	19-40	0-28	NP-12
	73-101	COSL, LCOS	SM	A-2-4	0	0	85-93	80-92	41-64	21-39	0-26	NP-9
Oneidas	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-9	COSL	SM	A-2-4	0	0	75-100	72-95	28-61	14-34	20-35	1-7
	9-12	COSL, SL	SC-SM	A-2-4	0	0	78-100	77-96	32-64	17-37	19-29	3-9
	12-65	COSL, SL, GR-COSL	SC	A-2-4	0	0	80-100	79-97	33-64	17-38	18-28	3-12
	65-79	COSL, LCOS	SC-SM	A-2-4	0	0	80-100	80-97	34-68	14-35	0-26	NP-9
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7444:												
Christopher loamy coarse sand--	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-8	LCOS	SM	A-1-b, A-2-4	0	0	91-100	76-94	41-57	15-23	0-29	NP-2
	8-26	LCOS	SM	A-2-4, A-1-b	0	0	92-100	77-95	42-57	15-23	0-20	NP-2
	26-42	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	43-58	18-26	0-19	NP-2
	42-61	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	44-59	18-27	0-19	NP-2
Gefo gravelly loamy coarse sand----------	0-15	GR-LCOS	SM	A-1-b	0	0	78-92	51-75	29-47	12-22	0-35	NP-4
	15-75	GR-COS, LCOS	SP-SM	A-1-b	0	0	79-92	51-76	23-39	4-10	0-20	NP-4
Jabu----------	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-7	COSL	SM	A-2-4	0	0	72-89	72-89	37-57	20-32	20-34	1-5
	7-21	COSL, LCOS	SC-SM	A-2-4	0	0	76-83	76-82	40-53	23-32	19-27	3-7
	21-46	GR-COSL, LCOS	SC-SM	A-1-b	0	0	52-92	52-91	22-62	12-38	19-26	4-9
	46-67	COSL, LCOS	SM	A-2-4	0	0	88-97	80-97	49-67	29-43	0-21	NP-6
	67-73	SR- FSL SIC	SC	A-2-4	0	0	79-92	79-92	46-75	19-40	0-28	NP-12
	73-101	COSL, LCOS	SM	A-2-4	0	0	85-93	80-92	41-64	21-39	0-26	NP-9
Marla----------	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
Oneidas----------	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-9	COSL	SM	A-2-4	0	0	75-100	72-95	28-61	14-34	20-35	1-7
	9-12	COSL, SL	SC-SM	A-2-4	0	0	78-100	77-96	32-64	17-37	19-29	3-9
	12-65	COSL, SL, GR-COSL	SC	A-2-4	0	0	80-100	79-97	33-64	17-38	18-28	3-12
	65-79	COSL, LCOS	SC-SM	A-2-4	0	0	80-100	80-97	34-68	14-35	0-26	NP-9
Ubaj----------	0	SPM	PT	A-8	0	0	---	---	---	---	---	---
	0-7	SL	SM	A-4	0	0	81-100	78-100	56-82	27-45	25-48	6-13
	7-17	SL	SC	A-6	0	0	81-100	78-100	54-79	24-41	24-45	6-13
	17-28	SCL	CL	A-6	0	0	80-100	78-100	63-92	35-55	32-45	13-21
	28-42	CL	CL	A-7-6	0	0	100	100	88-100	69-82	37-52	19-29
	42-49	C	CH	A-7-6	0	0	100	100	90-100	73-83	50-62	29-36
	49-120	C	CH	A-7-6	0	0	100	100	90-100	73-83	49-61	29-36

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7451:												
Gefo gravelly loamy coarse sand	0-15	GR-LCOS	SM	A-1-b	0	0	78-92	51-75	29-47	12-22	0-35	NP-4
	15-75	GR-COS, LCOS	SP-SM	A-1-b	0	0	79-92	51-76	23-39	4-10	0-20	NP-4
Christopher loamy coarse sand	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-8	LCOS	SM	A-1-b, A-2-4	0	0	91-100	76-94	41-57	15-23	0-29	NP-2
	8-26	LCOS	SM	A-2-4, A-1-b	0	0	92-100	77-95	42-57	15-23	0-20	NP-2
	26-42	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	43-58	18-26	0-19	NP-2
	42-61	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	44-59	18-27	0-19	NP-2
Jabu	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-7	COSL	SM	A-2-4	0	0	72-89	72-89	37-57	20-32	20-34	1-5
	7-21	COSL, LCOS	SC-SM	A-2-4	0	0	76-83	76-82	40-53	23-32	19-27	3-7
	21-46	GR-COSL, LCOS	SC-SM	A-1-b	0	0	52-92	52-91	22-62	12-38	19-26	4-9
	46-67	COSL, LCOS	SM	A-2-4	0	0	88-97	80-97	49-67	29-43	0-21	NP-6
	67-73	SR- FSL SIC	SC	A-2-4	0	0	79-92	79-92	46-75	19-40	0-28	NP-12
	73-101	COSL, LCOS	SM	A-2-4	0	0	85-93	80-92	41-64	21-39	0-26	NP-9
Oneidas	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-9	COSL	SM	A-2-4	0	0	75-100	72-95	28-61	14-34	20-35	1-7
	9-12	COSL, SL	SC-SM	A-2-4	0	0	78-100	77-96	32-64	17-37	19-29	3-9
	12-65	COSL, SL, GR-COSL	SC	A-2-4	0	0	80-100	79-97	33-64	17-38	18-28	3-12
	65-79	COSL, LCOS	SC-SM	A-2-4	0	0	80-100	80-97	34-68	14-35	0-26	NP-9
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
7452:												
Gefo gravelly loamy coarse sand	0-15	GR-LCOS	SM	A-1-b	0	0	78-92	51-75	29-47	12-22	0-35	NP-4
	15-75	GR-COS, LCOS	SP-SM	A-1-b	0	0	79-92	51-76	23-39	4-10	0-20	NP-4
Christopher loamy coarse sand	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-8	LCOS	SM	A-1-b, A-2-4	0	0	91-100	76-94	41-57	15-23	0-29	NP-2
	8-26	LCOS	SM	A-2-4, A-1-b	0	0	92-100	77-95	42-57	15-23	0-20	NP-2
	26-42	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	43-58	18-26	0-19	NP-2
	42-61	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	44-59	18-27	0-19	NP-2

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7452:												
Jabu	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-7	COSL	SM	A-2-4	0	0	72-89	72-89	37-57	20-32	20-34	1-5
	7-21	COSL, LCOS	SC-SM	A-2-4	0	0	76-83	76-82	40-53	23-32	19-27	3-7
	21-46	GR-COSL, LCOS	SC-SM	A-1-b	0	0	52-92	52-91	22-62	12-38	19-26	4-9
	46-67	COSL, LCOS	SM	A-2-4	0	0	88-97	80-97	49-67	29-43	0-21	NP-6
	67-73	SR- FSL SIC	SC	A-2-4	0	0	79-92	79-92	46-75	19-40	0-28	NP-12
	73-101	COSL, LCOS	SM	A-2-4	0	0	85-93	80-92	41-64	21-39	0-26	NP-9
Oneidas	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-9	COSL	SM	A-2-4	0	0	75-100	72-95	28-61	14-34	20-35	1-7
	9-12	COSL, SL	SC-SM	A-2-4	0	0	78-100	77-96	32-64	17-37	19-29	3-9
	12-65	COSL, SL, GR-COSL	SC	A-2-4	0	0	80-100	79-97	33-64	17-38	18-28	3-12
	65-79	COSL, LCOS	SC-SM	A-2-4	0	0	80-100	80-97	34-68	14-35	0-26	NP-9
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
7461:												
Jabu	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-7	COSL	SM	A-2-4	0	0	72-89	72-89	37-57	20-32	20-34	1-5
	7-21	COSL, LCOS	SC-SM	A-2-4	0	0	76-83	76-82	40-53	23-32	19-27	3-7
	21-46	GR-COSL, LCOS	SC-SM	A-1-b	0	0	52-92	52-91	22-62	12-38	19-26	4-9
	46-67	COSL, LCOS	SM	A-2-4	0	0	88-97	80-97	49-67	29-43	0-21	NP-6
	67-73	SR- FSL SIC	SC	A-2-4	0	0	79-92	79-92	46-75	19-40	0-28	NP-12
	73-101	COSL, LCOS	SM	A-2-4	0	0	85-93	80-92	41-64	21-39	0-26	NP-9
Christopher loamy coarse sand	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-8	LCOS	SM	A-1-b, A-2-4	0	0	91-100	76-94	41-57	15-23	0-29	NP-2
	8-26	LCOS	SM	A-2-4, A-1-b	0	0	92-100	77-95	42-57	15-23	0-20	NP-2
	26-42	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	43-58	18-26	0-19	NP-2
	42-61	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	44-59	18-27	0-19	NP-2
Oneidas	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-9	COSL	SM	A-2-4	0	0	75-100	72-95	28-61	14-34	20-35	1-7
	9-12	COSL, SL	SC-SM	A-2-4	0	0	78-100	77-96	32-64	17-37	19-29	3-9
	12-65	COSL, SL, GR-COSL	SC	A-2-4	0	0	80-100	79-97	33-64	17-38	18-28	3-12
	65-79	COSL, LCOS	SC-SM	A-2-4	0	0	80-100	80-97	34-68	14-35	0-26	NP-9

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7461:												
Gefo gravelly loamy coarse sand	0-15	GR-LCOS	SM	A-1-b	0	0	78-92	51-75	29-47	12-22	0-35	NP-4
	15-75	GR-COS, LCOS	SP-SM	A-1-b	0	0	79-92	51-76	23-39	4-10	0-20	NP-4
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
7462:												
Jabu	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-7	COSL	SM	A-2-4	0	0	72-89	72-89	37-57	20-32	20-34	1-5
	7-21	COSL, LCOS	SC-SM	A-2-4	0	0	76-83	76-82	40-53	23-32	19-27	3-7
	21-46	GR-COSL, LCOS	SC-SM	A-1-b	0	0	52-92	52-91	22-62	12-38	19-26	4-9
	46-67	COSL, LCOS	SM	A-2-4	0	0	88-97	80-97	49-67	29-43	0-21	NP-6
	67-73	SR- FSL SIC	SC	A-2-4	0	0	79-92	79-92	46-75	19-40	0-28	NP-12
	73-101	COSL, LCOS	SM	A-2-4	0	0	85-93	80-92	41-64	21-39	0-26	NP-9
Christopher loamy coarse sand	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-8	LCOS	SM	A-1-b, A-2-4	0	0	91-100	76-94	41-57	15-23	0-29	NP-2
	8-26	LCOS	SM	A-2-4, A-1-b	0	0	92-100	77-95	42-57	15-23	0-20	NP-2
	26-42	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	43-58	18-26	0-19	NP-2
	42-61	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	44-59	18-27	0-19	NP-2
Oneidas	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-9	COSL	SM	A-2-4	0	0	75-100	72-95	28-61	14-34	20-35	1-7
	9-12	COSL, SL	SC-SM	A-2-4	0	0	78-100	77-96	32-64	17-37	19-29	3-9
	12-65	COSL, SL, GR-COSL	SC	A-2-4	0	0	80-100	79-97	33-64	17-38	18-28	3-12
	65-79	COSL, LCOS	SC-SM	A-2-4	0	0	80-100	80-97	34-68	14-35	0-26	NP-9
Gefo gravelly loamy coarse sand	0-15	GR-LCOS	SM	A-1-b	0	0	78-92	51-75	29-47	12-22	0-35	NP-4
	15-75	GR-COS, LCOS	SP-SM	A-1-b	0	0	79-92	51-76	23-39	4-10	0-20	NP-4
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7471:												
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
Christopher loamy coarse sand--	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-8	LCOS	SM	A-1-b, A-2-4	0	0	91-100	76-94	41-57	15-23	0-29	NP-2
	8-26	LCOS	SM	A-2-4, A-1-b	0	0	92-100	77-95	42-57	15-23	0-20	NP-2
	26-42	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	43-58	18-26	0-19	NP-2
	42-61	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	44-59	18-27	0-19	NP-2
Gefo gravelly loamy coarse sand	0-15	GR-LCOS	SM	A-1-b	0	0	78-92	51-75	29-47	12-22	0-35	NP-4
	15-75	GR-COS, LCOS	SP-SM	A-1-b	0	0	79-92	51-76	23-39	4-10	0-20	NP-4
Tahoe silt loam	0-3	MPM	PT	A-8	0	0	---	---	---	---	---	---
	3-11	MK-SIL	OH	A-5	0	0	100	65-100	55-100	44-87	38-77	2-16
	11-15	MK-SIL, MK-SL, MK-LS, MK-L	OH	A-5	0	0	100	65-100	55-100	44-87	38-77	2-16
	15-20	GR-COS	SW-SM	A-1-a	0	0	92-98	47-72	18-34	4-9	0-38	NP-1
	20-30	MK-SIL, MK-SL, MK-LS, MK-L	OL	A-5	0	0	100	100	85-100	67-87	34-67	2-16
	30-49	L, SL, COS, LCOS, LFS, LS	CL-ML	A-4	0	0	100	79-100	55-93	37-68	0-29	NP-10
	49-59	COS, LCOS, LFS, SL, L, LS	SM	A-2-4	0	0	100	100	76-84	26-34	0-24	NP-4
Ubaj	0	SPM	PT	A-8	0	0	---	---	---	---	---	---
	0-7	SL	SM	A-4	0	0	81-100	78-100	56-82	27-45	25-48	6-13
	7-17	SL	SC	A-6	0	0	81-100	78-100	54-79	24-41	24-45	6-13
	17-28	SCL	CL	A-6	0	0	80-100	78-100	63-92	35-55	32-45	13-21
	28-42	CL	CL	A-7-6	0	0	100	100	88-100	69-82	37-52	19-29
	42-49	C	CH	A-7-6	0	0	100	100	90-100	73-83	50-62	29-36
	49-120	C	CH	A-7-6	0	0	100	100	90-100	73-83	49-61	29-36
Watah	0-3	PEAT	PT	A-8	0	0	---	---	---	---	---	---
	3-8	MPT	PT	A-8	0	0	---	---	---	---	---	---
	8-15	GR-MK-COSL, MK-COSL	SM	A-1-b	0	0	55-100	53-100	32-68	18-42	0-66	NP-4
	15-63	GR-LCOS, LCOS	SM	A-1-b	0	0	57-100	55-100	32-66	13-32	0-23	NP-4

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7481:												
Meeks, stony	0-2	SPM	PT	A-8	0-33	0-35	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Celio	0-8	LCOS	SM	A-2-4	0	0-26	75-100	75-100	36-57	11-21	0-36	NP-2
	8-16	GR-LCOS	SM	A-1-b	0	9-26	48-81	48-80	25-48	9-20	0-31	NP-2
	16-23	GR-LCOS	SM	A-1-b	0	8-24	51-83	51-82	27-48	9-19	0-24	NP-2
	23-45	GRX-COS		A-1-a	0	8-24	14-45	10-42	4-20	1-5	0-21	NP-2
	45-56	MAT			---	---	---	---	---	---	---	---
	56-80	GRX-COS	GW	A-1-a	0	0-15	19-50	15-45	6-22	1-4	0-19	NP-2
Gefo gravelly loamy coarse sand	0-15	GR-LCOS	SM	A-1-b	0	0	78-92	51-75	29-47	12-22	0-35	NP-4
	15-75	GR-COS, LCOS	SP-SM	A-1-b	0	0	79-92	51-76	23-39	4-10	0-20	NP-4
Tahoe, gravelly	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
7482:												
Meeks, stony	0-2	SPM	PT	A-8	0-33	0-35	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7482:												
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Oneidas	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-9	COSL	SM	A-2-4	0	0	75-100	72-95	28-61	14-34	20-35	1-7
	9-12	COSL, SL	SC-SM	A-2-4	0	0	78-100	77-96	32-64	17-37	19-29	3-9
	12-65	COSL, SL, GR-COSL	SC	A-2-4	0	0	80-100	79-97	33-64	17-38	18-28	3-12
	65-79	COSL, LCOS	SC-SM	A-2-4	0	0	80-100	80-97	34-68	14-35	0-26	NP-9
Celio	0-8	LCOS	SM	A-2-4	0	0-26	75-100	75-100	36-57	11-21	0-36	NP-2
	8-16	GR-LCOS	SM	A-1-b	0	9-26	48-81	48-80	25-48	9-20	0-31	NP-2
	16-23	GR-LCOS	SM	A-1-b	0	8-24	51-83	51-82	27-48	9-19	0-24	NP-2
	23-45	GRX-COS		A-1-a	0	8-24	14-45	10-42	4-20	1-5	0-21	NP-2
	45-56	MAT			---	---	---	---	---	---	---	---
	56-80	GRX-COS	GW	A-1-a	0	0-15	19-50	15-45	6-22	1-4	0-19	NP-2
7483:												
Meeks, very stony	0-2	SPM	PT	A-8	35-74	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Celio	0-8	LCOS	SM	A-2-4	0	0-26	75-100	75-100	36-57	11-21	0-36	NP-2
	8-16	GR-LCOS	SM	A-1-b	0	9-26	48-81	48-80	25-48	9-20	0-31	NP-2
	16-23	GR-LCOS	SM	A-1-b	0	8-24	51-83	51-82	27-48	9-19	0-24	NP-2
	23-45	GRX-COS		A-1-a	0	8-24	14-45	10-42	4-20	1-5	0-21	NP-2
	45-56	MAT			---	---	---	---	---	---	---	---
	56-80	GRX-COS	GW	A-1-a	0	0-15	19-50	15-45	6-22	1-4	0-19	NP-2

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7483:												
Jabu	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-7	COSL	SM	A-2-4	0	0	72-89	72-89	37-57	20-32	20-34	1-5
	7-21	COSL, LCOS	SC-SM	A-2-4	0	0	76-83	76-82	40-53	23-32	19-27	3-7
	21-46	GR-COSL, LCOS	SC-SM	A-1-b	0	0	52-92	52-91	22-62	12-38	19-26	4-9
	46-67	COSL, LCOS	SM	A-2-4	0	0	88-97	80-97	49-67	29-43	0-21	NP-6
	67-73	SR- FSL SIC	SC	A-2-4	0	0	79-92	79-92	46-75	19-40	0-28	NP-12
	73-101	COSL, LCOS	SM	A-2-4	0	0	85-93	80-92	41-64	21-39	0-26	NP-9
7484:												
Meeks, extremely bouldery	0-2	SPM	PT	A-8	74-94	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Burnlake	0-2	GRX-SL	GW-GM	A-1	0-10	0-10	30-50	15-25	10-20	5-15	20-25	NP-5
	2-17	GRX-SL, GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	17-26	GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	26-60	GRV-LCOS, GRX-LS	SM, SP-SM	A-1	0-15	0-15	55-75	20-40	10-25	5-15	---	NP
Meeks, rubbly	0-2	SPM	PT	A-8	91-98	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Dagget, moist	0-1	SPM	PT	A-8	49-79	20-49	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Tallac, very stony	0-1	SPM	PT	A-8	17-65	13-52	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Roadcat	0-8	GRX-LCOS	SM, SP-SM	A-1	0-25	0-20	40-60	20-40	10-25	5-15	0-14	NP
	8-19	GRX-COSL	GM, GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	15-20	NP-5
	19-36	GRX-LCOS	GP-GM	A-1	0-10	5-20	30-45	10-25	5-20	0-10	15-20	NP
	36-60	GRX-LCOS	GP-GM	A-1	0-10	5-20	30-45	10-25	5-20	0-10	15-20	NP

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7484:												
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
Jabu	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-7	COSL	SM	A-2-4	0	0	72-89	72-89	37-57	20-32	20-34	1-5
	7-21	COSL, LCOS	SC-SM	A-2-4	0	0	76-83	76-82	40-53	23-32	19-27	3-7
	21-46	GR-COSL, LCOS	SC-SM	A-1-b	0	0	52-92	52-91	22-62	12-38	19-26	4-9
	46-67	COSL, LCOS	SM	A-2-4	0	0	88-97	80-97	49-67	29-43	0-21	NP-6
	67-73	SR- FSL SIC	SC	A-2-4	0	0	79-92	79-92	46-75	19-40	0-28	NP-12
	73-101	COSL, LCOS	SM	A-2-4	0	0	85-93	80-92	41-64	21-39	0-26	NP-9
7485:												
Meeks, extremely bouldery	0-2	SPM	PT	A-8	74-94	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Burnlake	0-2	GRX-SL	GW-GM	A-1	0-10	0-10	30-50	15-25	10-20	5-15	20-25	NP-5
	2-17	GRX-SL, GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	17-26	GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	26-60	GRV-LCOS, GRX-LS	SM, SP-SM	A-1	0-15	0-15	55-75	20-40	10-25	5-15	---	NP
Meeks, rubbly	0-2	SPM	PT	A-8	91-98	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7485:												
Dagget, moist	0-1	SPM	PT	A-8	49-79	20-49	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Tallac, very stony	0-1	SPM	PT	A-8	17-65	13-52	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Roadcat	0-8	GRX-LCOS	SM, SP-SM	A-1	0-25	0-20	40-60	20-40	10-25	5-15	0-14	NP
	8-19	GRX-COSL	GM, GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	15-20	NP-5
	19-36	GRX-LCOS	GP-GM	A-1	0-10	5-20	30-45	10-25	5-20	0-10	15-20	NP
	36-60	GRX-LCOS	GP-GM	A-1	0-10	5-20	30-45	10-25	5-20	0-10	15-20	NP
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
Jabu	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-7	COSL	SM	A-2-4	0	0	72-89	72-89	37-57	20-32	20-34	1-5
	7-21	COSL, LCOS	SC-SM	A-2-4	0	0	76-83	76-82	40-53	23-32	19-27	3-7
	21-46	GR-COSL, LCOS	SC-SM	A-1-b	0	0	52-92	52-91	22-62	12-38	19-26	4-9
	46-67	COSL, LCOS	SM	A-2-4	0	0	88-97	80-97	49-67	29-43	0-21	NP-6
	67-73	SR- FSL SIC	SC	A-2-4	0	0	79-92	79-92	46-75	19-40	0-28	NP-12
	73-101	COSL, LCOS	SM	A-2-4	0	0	85-93	80-92	41-64	21-39	0-26	NP-9

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7486:												
Meeks, extremely bouldery------	0-2	SPM	PT	A-8	74-94	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Burnlake-----------------------	0-2	GRX-SL	GW-GM	A-1	0-10	0-10	30-50	15-25	10-20	5-15	20-25	NP-5
	2-17	GRX-SL, GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	17-26	GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	26-60	GRV-LCOS, GRX-LS	SM, SP-SM	A-1	0-15	0-15	55-75	20-40	10-25	5-15	---	NP
Meeks, rubbly------------------	0-2	SPM	PT	A-8	91-98	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Dagget, moist------------------	0-1	SPM	PT	A-8	49-79	20-49	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Tallac, very stony-------------	0-1	SPM	PT	A-8	17-65	13-52	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Roadcat------------------------	0-8	GRX-LCOS	SM, SP-SM	A-1	0-25	0-20	40-60	20-40	10-25	5-15	0-14	NP
	8-19	GRX-COSL	GM, GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	15-20	NP-5
	19-36	GRX-LCOS	GP-GM	A-1	0-10	5-20	30-45	10-25	5-20	0-10	15-20	NP
	36-60	GRX-LCOS	GP-GM	A-1	0-10	5-20	30-45	10-25	5-20	0-10	15-20	NP

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7486:												
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
Jabu	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-7	COSL	SM	A-2-4	0	0	72-89	72-89	37-57	20-32	20-34	1-5
	7-21	COSL, LCOS	SC-SM	A-2-4	0	0	76-83	76-82	40-53	23-32	19-27	3-7
	21-46	GR-COSL, LCOS	SC-SM	A-1-b	0	0	52-92	52-91	22-62	12-38	19-26	4-9
	46-67	COSL, LCOS	SM	A-2-4	0	0	88-97	80-97	49-67	29-43	0-21	NP-6
	67-73	SR- FSL SIC	SC	A-2-4	0	0	79-92	79-92	46-75	19-40	0-28	NP-12
	73-101	COSL, LCOS	SM	A-2-4	0	0	85-93	80-92	41-64	21-39	0-26	NP-9
7487:												
Meeks, rubbly	0-2	SPM	PT	A-8	91-98	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Burnlake	0-2	GRX-SL	GW-GM	A-1	0-10	0-10	30-50	15-25	10-20	5-15	20-25	NP-5
	2-17	GRX-SL, GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	17-26	GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	26-60	GRV-LCOS, GRX-LS	SM, SP-SM	A-1	0-15	0-15	55-75	20-40	10-25	5-15	---	NP
Rockbound very gravelly loam	0-6	GRV-LS	GP-GM	A-1-b	0-21	0-21	22-57	22-55	9-46	2-15	0-49	NP-7
	6-8	GRV-LS	GP-GC	A-1-b	0-18	0-18	26-61	26-60	11-50	3-17	0-33	NP-7
	8-20	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7487:												
Roadcat	0-8	GRX-LCOS	SM, SP-SM	A-1	0-25	0-20	40-60	20-40	10-25	5-15	0-14	NP
	8-19	GRX-COSL	GM, GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	15-20	NP-5
	19-36	GRX-LCOS	GP-GM	A-1	0-10	5-20	30-45	10-25	5-20	0-10	15-20	NP
	36-60	GRX-LCOS	GP-GM	A-1	0-10	5-20	30-45	10-25	5-20	0-10	15-20	NP
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
Rock outcrop.												
Rubble land.												
7488:												
Meeks, rubbly	0-2	SPM	PT	A-8	91-98	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7488:												
Burnlake	0-2	GRX-SL	GW-GM	A-1	0-10	0-10	30-50	15-25	10-20	5-15	20-25	NP-5
	2-17	GRX-SL, GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	17-26	GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	26-60	GRV-LCOS, GRX-LS	SM, SP-SM	A-1	0-15	0-15	55-75	20-40	10-25	5-15	---	NP
Rockbound very gravelly loam	0-6	GRV-LS	GP-GM	A-1-b	0-21	0-21	22-57	22-55	9-46	2-15	0-49	NP-7
	6-8	GRV-LS	GP-GC	A-1-b	0-18	0-18	26-61	26-60	11-50	3-17	0-33	NP-7
	8-20	BR	---	---	---	---	---	---	---	---	---	---
Roadcat	0-8	GRX-LCOS	SM, SP-SM	A-1	0-25	0-20	40-60	20-40	10-25	5-15	0-14	NP
	8-19	GRX-COSL	GM, GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	15-20	NP-5
	19-36	GRX-LCOS	GP-GM	A-1	0-10	5-20	30-45	10-25	5-20	0-10	15-20	NP
	36-60	GRX-LCOS	GP-GM	A-1	0-10	5-20	30-45	10-25	5-20	0-10	15-20	NP
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7488:												
Rock outcrop.												
Rubble land.												
7489:												
Meeks, rubbly	0-2	SPM	PT	A-8	91-98	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Burnlake	0-2	GRX-SL	GW-GM	A-1	0-10	0-10	30-50	15-25	10-20	5-15	20-25	NP-5
	2-17	GRX-SL, GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	17-26	GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	26-60	GRV-LCOS, GRX-LS	SM, SP-SM	A-1	0-15	0-15	55-75	20-40	10-25	5-15	---	NP
Rockbound very stony loam	0-2	GRV-COS	GP-GM	A-1-a	0-18	5-22	18-45	14-42	7-22	2-7	0-49	NP-2
	2-5	CBV-COS, CBX-COS	GP-GM	A-1-a	0-16	23-58	16-74	12-73	6-37	2-13	0-27	NP-2
	5-17	CBV-COS, CBX-COS	SP-SM	A-1-b	0-16	23-58	16-74	12-73	6-37	2-13	0-27	NP-2
	17-27	BR	---	---	---	---	---	---	---	---	---	---
Roadcat	0-8	GRX-LCOS	SM, SP-SM	A-1	0-25	0-20	40-60	20-40	10-25	5-15	0-14	NP
	8-19	GRX-COSL	GM, GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	15-20	NP-5
	19-36	GRX-LCOS	GP-GM	A-1	0-10	5-20	30-45	10-25	5-20	0-10	15-20	NP
	36-60	GRX-LCOS	GP-GM	A-1	0-10	5-20	30-45	10-25	5-20	0-10	15-20	NP
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7489:												
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
Rubble land.												
Toem	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---
7491:												
Oneidas	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-9	COSL	SM	A-2-4	0	0	75-100	72-95	28-61	14-34	20-35	1-7
	9-12	COSL, SL	SC-SM	A-2-4	0	0	78-100	77-96	32-64	17-37	19-29	3-9
	12-65	COSL, SL, GR-COSL	SC	A-2-4	0	0	80-100	79-97	33-64	17-38	18-28	3-12
	65-79	COSL, LCOS	SC-SM	A-2-4	0	0	80-100	80-97	34-68	14-35	0-26	NP-9

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7491:												
Jabu	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-7	COSL	SM	A-2-4	0	0	72-89	72-89	37-57	20-32	20-34	1-5
	7-21	COSL, LCOS	SC-SM	A-2-4	0	0	76-83	76-82	40-53	23-32	19-27	3-7
	21-46	GR-COSL, LCOS	SC-SM	A-1-b	0	0	52-92	52-91	22-62	12-38	19-26	4-9
	46-67	COSL, LCOS	SM	A-2-4	0	0	88-97	80-97	49-67	29-43	0-21	NP-6
	67-73	SR- FSL SIC	SC	A-2-4	0	0	79-92	79-92	46-75	19-40	0-28	NP-12
	73-101	COSL, LCOS	SM	A-2-4	0	0	85-93	80-92	41-64	21-39	0-26	NP-9
Christopher loamy coarse sand	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-8	LCOS	SM	A-1-b, A-2-4	0	0	91-100	76-94	41-57	15-23	0-29	NP-2
	8-26	LCOS	SM	A-2-4, A-1-b	0	0	92-100	77-95	42-57	15-23	0-20	NP-2
	26-42	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	43-58	18-26	0-19	NP-2
	42-61	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	44-59	18-27	0-19	NP-2
Meeks, stony	0-2	SPM	PT	A-8	0-33	0-35	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Gefo gravelly loamy coarse sand	0-15	GR-LCOS	SM	A-1-b	0	0	78-92	51-75	29-47	12-22	0-35	NP-4
	15-75	GR-COS, LCOS	SP-SM	A-1-b	0	0	79-92	51-76	23-39	4-10	0-20	NP-4
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
7492:												
Oneidas	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-9	COSL	SM	A-2-4	0	0	75-100	72-95	28-61	14-34	20-35	1-7
	9-12	COSL, SL	SC-SM	A-2-4	0	0	78-100	77-96	32-64	17-37	19-29	3-9
	12-65	COSL, SL, GR-COSL	SC	A-2-4	0	0	80-100	79-97	33-64	17-38	18-28	3-12
	65-79	COSL, LCOS	SC-SM	A-2-4	0	0	80-100	80-97	34-68	14-35	0-26	NP-9
Jabu	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-7	COSL	SM	A-2-4	0	0	72-89	72-89	37-57	20-32	20-34	1-5
	7-21	COSL, LCOS	SC-SM	A-2-4	0	0	76-83	76-82	40-53	23-32	19-27	3-7
	21-46	GR-COSL, LCOS	SC-SM	A-1-b	0	0	52-92	52-91	22-62	12-38	19-26	4-9
	46-67	COSL, LCOS	SM	A-2-4	0	0	88-97	80-97	49-67	29-43	0-21	NP-6
	67-73	SR- FSL SIC	SC	A-2-4	0	0	79-92	79-92	46-75	19-40	0-28	NP-12
	73-101	COSL, LCOS	SM	A-2-4	0	0	85-93	80-92	41-64	21-39	0-26	NP-9

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7492:												
Christopher loamy coarse sand--	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-8	LCOS	SM	A-1-b, A-2-4	0	0	91-100	76-94	41-57	15-23	0-29	NP-2
	8-26	LCOS	SM	A-2-4, A-1-b	0	0	92-100	77-95	42-57	15-23	0-20	NP-2
	26-42	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	43-58	18-26	0-19	NP-2
	42-61	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	44-59	18-27	0-19	NP-2
Meeks, stony----------	0-2	SPM	PT	A-8	0-33	0-35	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Gefo gravelly loamy coarse sand----------	0-15	GR-LCOS	SM	A-1-b	0	0	78-92	51-75	29-47	12-22	0-35	NP-4
	15-75	GR-COS, LCOS	SP-SM	A-1-b	0	0	79-92	51-76	23-39	4-10	0-20	NP-4
Marla----------	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
7500:												
Rock outcrop, granitic.												
Rockbound very stony loam------	0-2	GRV-COS	GP-GM	A-1-a	0-18	5-22	18-45	14-42	7-22	2-7	0-49	NP-2
	2-5	CBV-COS, CBX-COS	GP-GM	A-1-a	0-16	23-58	16-74	12-73	6-37	2-13	0-27	NP-2
	5-17	CBV-COS, CBX-COS	SP-SM	A-1-b	0-16	23-58	16-74	12-73	6-37	2-13	0-27	NP-2
	17-27	BR	---	---	---	---	---	---	---	---	---	---
Rubble land.												
Toem----------	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---
Windyridge----------	0-2	GRV-LCOS	SP-SM, SM	A-1	5-10	5-10	55-75	35-55	25-40	5-20	---	NP
	2-10	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	50-75	25-50	15-30	5-15	---	NP
	10-20	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7500:												
Freelpeak	0-2	G			0-15	20-40	55-65	0-10	0-5	0	0-0	NP
	2-4	GRX-COS, GRV-S, GRX-LCOS	SP-SM	A-1-a	0-35	5-35	50-60	10-35	5-30	0-10	0-14	NP
	4-8	GRV-S, GRV-LCOS, GRX-COS	SM	A-1-a	0	5-30	45-75	25-55	15-45	5-20	0-14	NP
	8-36	CBV-LFS, GRV-S, GRV-COS, CBV-LCOS	SM	A-1-b	10-30	25-35	55-75	40-55	25-40	10-25	0-14	NP
	36-46	BR	---	---	---	---	---	---	---	---	---	---
Jobsis	0-1	GRV-LCOS	SM, SP-SM	A-1	5-15	5-10	65-85	40-60	25-40	5-20	---	NP
	1-5	GRV-LCOS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	5-9	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	9-12	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	12-17	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	17-20	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	20-30	BR	---	---	---	---	---	---	---	---	---	---
7501:												
Rock outcrop, granitic.												
Rockbound very gravelly loam	0-6	GRV-LS	GP-GM	A-1-b	0-21	0-21	22-57	22-55	9-46	2-15	0-49	NP-7
	6-8	GRV-LS	GP-GC	A-1-b	0-18	0-18	26-61	26-60	11-50	3-17	0-33	NP-7
	8-20	BR	---	---	---	---	---	---	---	---	---	---
Dagget, moist	0-1	SPM	PT	A-8	49-79	20-49	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Meeks, rubbly	0-2	SPM	PT	A-8	91-98	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Temo	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7501:												
Witefels	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---
7502:												
Rock outcrop, granitic.												
Rockbound very stony loam	0-2	GRV-COS	GP-GM	A-1-a	0-18	5-22	18-45	14-42	7-22	2-7	0-49	NP-2
	2-5	CBV-COS, CBX-COS	GP-GM	A-1-a	0-16	23-58	16-74	12-73	6-37	2-13	0-27	NP-2
	5-17	CBV-COS, CBX-COS	SP-SM	A-1-b	0-16	23-58	16-74	12-73	6-37	2-13	0-27	NP-2
	17-27	BR	---	---	---	---	---	---	---	---	---	---
Dagget, moist	0-1	SPM	PT	A-8	49-79	20-49	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Glenalpine	0-11	CBV-FSL	SM	A-2-4	0-15	15-42	60-91	45-87	25-83	9-36	23-42	2-9
	11-40	CBX-FSL	SC-SM	A-1-b	0	42-71	56-89	13-78	11-75	5-37	18-36	2-9
	40-50	CBX-FSL	SM	A-2-4	0	42-71	58-95	16-91	14-84	6-41	0-25	NP-6
	50-59	CBX-FSL	GM	A-1-b	0	16-35	32-69	28-68	17-48	10-30	0-23	NP-6
Rubble land.												
Temo	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Witefels	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---
7511:												
Shalgran	0-3	BYV-COS	SM, SP-SM	A-1	25-50	5-10	65-85	30-55	20-35	5-20	---	NP
	3-14	BYV-COS, BYV-LCOS	SM, SP-SM	A-1	30-55	5-15	80-90	40-55	15-30	5-15	0-14	NP
	14-24	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7511:												
Rock outcrop.												
Sofgran	0-3	GR-LCOS	SM, SP-SM	A-1	5-25	0-10	80-90	60-70	40-50	5-15	0-14	NP
	3-6	GR-LCOS	SP-SM	A-1	0-10	0-10	70-80	50-60	30-40	5-10	0-14	NP
	6-9	GRV-LCOS, GRV-COS, GR-LCOS	SM, SP-SM	A-1	0-10	0-10	70-85	40-60	10-30	5-15	---	NP
	9-19	GR-LCOS, GRV-COS, GRV-LCOS	SM, SP-SM	A-1	0-10	0-10	70-85	25-45	10-20	5-15	---	NP
	19-27	GRV-COS, GRV-LCOS, GR-LCOS	SM, SP-SM	A-1	0-10	0-10	70-85	40-60	10-30	5-15	---	NP
	27-45	GRX-LCOS, GRV-LCOS	SM, SW-SM	A-1	0-10	10-40	55-75	10-35	10-25	5-15	---	NP
	45-60	GRV-LCOS, GRX-LCOS	SM, SW-SM	A-1	0-10	10-30	50-75	25-50	15-30	5-15	---	NP
Dystric Xerorthents	0-3	BYX-COS	SM, SP-SM	A-1	25-50	5-10	65-85	30-55	20-35	5-20	---	NP
	3-38	BYV-COS, BYV-LCOS	SM, SP-SM	A-1	5-25	10-25	80-90	35-55	15-30	5-15	0-14	NP
	38-41	BR	---	---	---	---	---	---	---	---	---	---
Burnlake	0-2	GRX-SL	GW-GM	A-1	0-15	0-10	30-50	15-25	10-20	5-15	20-25	NP-5
	2-17	GRX-SL, GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	17-26	GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	26-60	GRV-LCOS, GRX-LS	SM, SP-SM	A-1	0-15	0-25	35-55	15-35	10-25	5-15	---	NP
Jobsis	0-5	GRV-LCOS	SM, SP-SM	A-1	5-15	5-10	65-85	40-60	25-40	5-20	---	NP
	5-9	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	9-17	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	17-20	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	20-30	BR	---	---	---	---	---	---	---	---	---	---
Temo	0-10	GRV-LCOS	SM, SP-SM	A-1	5-15	5-10	65-85	35-55	25-40	5-20	---	NP
	10-16	GR-LCOS, COS, GR-COS	SM, SP-SM	A-1	0	0-8	70-100	50-80	20-45	5-15	---	NP
	16-26	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7521:												
Tallac, very stony	0-1	SPM	PT	A-8	17-65	13-52	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Tallac, rubbly	0-1	SPM	PT	A-8	23-70	23-70	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Tallac, moderately well drained	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Meeks, extremely bouldery	0-2	SPM	PT	A-8	74-94	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7522:												
Tallac, very stony----------	0-1	SPM	PT	A-8	17-65	13-52	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Meeks, extremely bouldery------	0-2	SPM	PT	A-8	74-94	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Aquic Xerorthents----------	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
Cagwin----------	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Cassenai gravelly loamy coarse sand----------	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7522:												
Dagget, moist	0-1	SPM	PT	A-8	49-79	20-49	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Rockbound very gravelly loam	0-6	GRV-LS	GP-GM	A-1-b	0-21	0-21	22-57	22-55	9-46	2-15	0-49	NP-7
	6-8	GRV-LS	GP-GC	A-1-b	0-18	0-18	26-61	26-60	11-50	3-17	0-33	NP-7
	8-20	BR	---	---	---	---	---	---	---	---	---	---
7523:												
Tallac, very stony	0-1	SPM	PT	A-8	17-65	13-52	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Meeks, extremely bouldery	0-2	SPM	PT	A-8	74-94	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7523:												
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Dagget, moist	0-1	SPM	PT	A-8	49-79	20-49	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Rockbound very stony loam	0-2	GRV-COS	GP-GM	A-1-a	0-18	5-22	18-45	14-42	7-22	2-7	0-49	NP-2
	2-5	CBV-COS, CBX-COS	GP-GM	A-1-a	0-16	23-58	16-74	12-73	6-37	2-13	0-27	NP-2
	5-17	CBV-COS, CBX-COS	SP-SM	A-1-b	0-16	23-58	16-74	12-73	6-37	2-13	0-27	NP-2
	17-27	BR	---	---	---	---	---	---	---	---	---	---
7524:												
Tallac, moderately well drained	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Tallac, moderately well drained, 5 to 9 percent slopes	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Meeks, very stony	0-2	SPM	PT	A-8	35-74	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7524:												
Callat	0	SPM	PT	A-8	0-77	1-94	---	---	---	---	---	---
	0-9	GRV-COSL	GM	A-1-b	0-9	1-25	43-69	40-61	24-47	14-30	0-43	NP-5
	9-15	STV-COSL	GM	A-1-b	9-25	9-25	43-67	43-65	21-45	12-29	0-32	NP-6
	15-24	STV-COSL	GM	A-1-b	8-23	8-43	44-68	44-66	15-47	9-30	0-24	NP-6
	24-41	STX-COSL	GM	A-1-b	5-16	11-38	21-69	16-68	10-48	6-30	0-23	NP-6
Tahoe, gravelly	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
7525:												
Tallac, moderately well drained	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Tallac, moderately well drained, 0 to 5 percent slopes	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Meeks, extremely bouldery	0-2	SPM	PT	A-8	74-94	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Callat	0	SPM	PT	A-8	0-77	1-94	---	---	---	---	---	---
	0-9	GRV-COSL	GM	A-1-b	0-9	1-25	43-69	40-61	24-47	14-30	0-43	NP-5
	9-15	STV-COSL	GM	A-1-b	9-25	9-25	43-67	43-65	21-45	12-29	0-32	NP-6
	15-24	STV-COSL	GM	A-1-b	8-23	8-43	44-68	44-66	15-47	9-30	0-24	NP-6
	24-41	STX-COSL	GM	A-1-b	5-16	11-38	21-69	16-68	10-48	6-30	0-23	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7525:												
Tahoe, gravelly----------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
7526:												
Tallac, rubbly----------	0-1	SPM	PT	A-8	23-70	23-70	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Tallac, moderately well drained	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Tallac, very stony----------	0-1	SPM	PT	A-8	17-65	13-52	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7526:												
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13
7531:												
Toem	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop, granitic.												
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
7532:												
Toem	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7532:												
Rock outcrop, granitic.												
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2
Dagget very gravelly loamy coarse sand	0-1	SPM	PT	A-8	6-76	2-57	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
7533:												
Toem	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop, granitic.												
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Cassenai gravelly loamy coarse sand	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-6	GR-LCOS	SM	A-1-b	0	0	74-98	49-93	27-56	10-23	0-43	NP-2
	6-43	GR-LCOS, LCOS	SM	A-1-b	0	0	72-98	49-89	20-52	7-20	0-27	NP-2
	43-79	GR-LCOS, LCOS, COS	SM	A-1-b, A-2-4	0	0	73-96	51-88	21-51	7-20	0-18	NP-2

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
7541:												
Ubaj	0	SPM	PT	A-8	0	0	---	---	---	---	---	---
	0-7	SL	SM	A-4	0	0	81-100	78-100	56-82	27-45	25-48	6-13
	7-17	SL	SC	A-6	0	0	81-100	78-100	54-79	24-41	24-45	6-13
	17-28	SCL	CL	A-6	0	0	80-100	78-100	63-92	35-55	32-45	13-21
	28-42	CL	CL	A-7-6	0	0	100	100	88-100	69-82	37-52	19-29
	42-49	C	CH	A-7-6	0	0	100	100	90-100	73-83	50-62	29-36
	49-120	C	CH	A-7-6	0	0	100	100	90-100	73-83	49-61	29-36
Christopher loamy coarse sand	0-1	SPM	PT	A-8	0-63	0-53	---	---	---	---	---	---
	1-8	LCOS	SM	A-1-b, A-2-4	0	0	91-100	76-94	41-57	15-23	0-29	NP-2
	8-26	LCOS	SM	A-2-4, A-1-b	0	0	92-100	77-95	42-57	15-23	0-20	NP-2
	26-42	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	43-58	18-26	0-19	NP-2
	42-61	LCOS	SM	A-1-b, A-2-4	0	0	92-100	77-95	44-59	18-27	0-19	NP-2
Jabu	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-7	COSL	SM	A-2-4	0	0	72-89	72-89	37-57	20-32	20-34	1-5
	7-21	COSL, LCOS	SC-SM	A-2-4	0	0	76-83	76-82	40-53	23-32	19-27	3-7
	21-46	GR-COSL, LCOS	SC-SM	A-1-b	0	0	52-92	52-91	22-62	12-38	19-26	4-9
	46-67	COSL, LCOS	SM	A-2-4	0	0	88-97	80-97	49-67	29-43	0-21	NP-6
	67-73	SR- FSL SIC	SC	A-2-4	0	0	79-92	79-92	46-75	19-40	0-28	NP-12
	73-101	COSL, LCOS	SM	A-2-4	0	0	85-93	80-92	41-64	21-39	0-26	NP-9
Oneidas	0-1	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	1-9	COSL	SM	A-2-4	0	0	75-100	72-95	28-61	14-34	20-35	1-7
	9-12	COSL, SL	SC-SM	A-2-4	0	0	78-100	77-96	32-64	17-37	19-29	3-9
	12-65	COSL, SL, GR-COSL	SC	A-2-4	0	0	80-100	79-97	33-64	17-38	18-28	3-12
	65-79	COSL, LCOS	SC-SM	A-2-4	0	0	80-100	80-97	34-68	14-35	0-26	NP-9
Gefo gravelly loamy coarse sand	0-15	GR-LCOS	SM	A-1-b	0	0	78-92	51-75	29-47	12-22	0-35	NP-4
	15-75	GR-COS, LCOS	SP-SM	A-1-b	0	0	79-92	51-76	23-39	4-10	0-20	NP-4
Marla	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9001:												
Bidart mucky silt loam---------	0-3	MPM	PT	A-8	0	0	---	---	---	---	---	---
	3-9	MK-SIL	OH	A-5	0	0	88-100	75-100	53-96	41-78	0-69	NP-9
	9-16	SIL	SM	A-4	0	0	91-100	74-100	59-96	46-78	0-47	NP-9
	16-17	GRX-COS, GRV-COS	SP	A-1-a	0	0	53-77	7-54	3-26	1-7	0-14	NP
	17-39	VFSL, SL, SIL, COSL	SM	A-4	0	0	91-100	75-100	65-100	36-63	0-47	NP-9
	39-59	SIL, COSL, SL, VFSL	SM	A-2-4	0	0	91-100	75-100	49-82	22-45	0-47	NP-9
Bidart, wet---------	0-3	MPM	PT	A-8	0	0	---	---	---	---	---	---
	3-9	MK-SIL	OH	A-5	0	0	88-100	75-100	53-96	41-78	0-69	NP-9
	9-16	SIL	SM	A-4	0	0	91-100	74-100	59-96	46-78	0-47	NP-9
	16-17	GRX-COS, GRV-COS	SP	A-1-a	0	0	53-77	7-54	3-26	1-7	0-14	NP
	17-39	VFSL, SL, SIL, COSL	SM	A-4	0	0	91-100	75-100	65-100	36-63	0-47	NP-9
	39-59	SIL, COSL, SL, VFSL	SM	A-2-4	0	0	91-100	75-100	49-82	22-45	0-47	NP-9
Tahoe, gravelly---------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
Tahoe silt loam---------	0-3	MPM	PT	A-8	0	0	---	---	---	---	---	---
	3-11	MK-SIL	OH	A-5	0	0	100	65-100	55-100	44-87	38-77	2-16
	11-15	MK-SIL, MK-SL, MK-LS, MK-L	OH	A-5	0	0	100	65-100	55-100	44-87	38-77	2-16
	15-20	GR-COS	SW-SM	A-1-a	0	0	92-98	47-72	18-34	4-9	0-38	NP-1
	20-30	MK-SIL, MK-SL, MK-LS, MK-L	OL	A-5	0	0	100	100	85-100	67-87	34-67	2-16
	30-49	L, SL, COS, LCOS, LFS, LS	CL-ML	A-4	0	0	100	79-100	55-93	37-68	0-29	NP-10
	49-59	COS, LCOS, LFS, SL, L, LS	SM	A-2-4	0	0	100	100	76-84	26-34	0-24	NP-4

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9001:												
Watah	0-3	PEAT	PT	A-8	0	0	---	---	---	---	---	---
	3-8	MPT	PT	A-8	0	0	---	---	---	---	---	---
	8-15	MK-GR-COSL, MK-COSL	SM	A-1-b	0	0	55-100	53-100	32-68	18-42	0-66	NP-4
	15-63	GR-LCOS, LCOS	SM	A-1-b	0	0	57-100	55-100	32-66	13-32	0-23	NP-4
Water.												
Hellhole	0-11	PEAT	PT	A-8	0	0	---	---	---	---	---	---
	11-59	PEAT	PT	A-8	0	0	---	---	---	---	---	---
	59-118	MPT	PT	A-8	0	0	---	---	---	---	---	---
9011:												
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
Aquic Xerorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-1	HPM	PT	A-8	0	0	---	---	---	---	---	---
	1-4	SL	SM	A-2-4	0	0	71-100	71-100	10-86	4-44	0-62	NP-12
	4-9	SL, GRV-SL, GR-SL	SM	A-2-4	0	0	59-100	25-100	12-87	5-50	0-47	NP-13
	9-14	COSL, GRV-COSL, GR-COSL	SC-SM	A-2-4	0	0	59-100	27-100	9-69	4-42	0-41	NP-13
	14-29	SL, GR-SL, GRV-SL	SC-SM	A-2-4	0	0	60-100	28-100	13-85	5-44	0-36	NP-13
	29-41	GR-SL, GRV-SL, SL	GC-GM	A-2-4	0	0	55-100	29-100	13-84	5-44	0-33	NP-13
	41-45	LCOS, GRV-LCOS, GR-LCOS	SM	A-2-4	0	0	60-100	29-100	10-66	4-33	0-29	NP-9
	45-59	SL, GR-SL, GRV-SL	SC	A-6	0	0	60-100	29-100	12-81	5-45	0-34	NP-13

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9011:												
Tahoe, gravelly----------	0-10	MK-GR-SIL	OH	A-7-5	0	0	46-78	40-75	31-74	25-61	32-77	4-16
	10-27	GR-FSL, GR-LS, GR-L, GR-SIL, GR-COSL, GR-LCOS, GR-LFS	SM	A-5	0	0	47-79	41-76	32-74	22-55	32-66	4-16
	27-32	GR-FS, GR-S, GR-COS, GR-LCOS, GR-LFS, GR-LS	SM	A-2-4	0	0	59-87	55-85	48-85	16-36	0-33	NP-7
	32-46	GR-FS	SP-SM	A-2-4	0	0	59-87	55-85	50-85	7-19	0-23	NP-4
Bidart mucky silt loam---------	0-3	MPM	PT	A-8	0	0	---	---	---	---	---	---
	3-9	MK-SIL	OH	A-5	0	0	88-100	75-100	53-96	41-78	0-69	NP-9
	9-16	SIL	SM	A-4	0	0	91-100	74-100	59-96	46-78	0-47	NP-9
	16-17	GRX-COS, GRV-COS	SP	A-1-a	0	0	53-77	7-54	3-26	1-7	0-14	NP
	17-39	VFSL, SL, SIL, COSL	SM	A-4	0	0	91-100	75-100	65-100	36-63	0-47	NP-9
	39-59	SIL, COSL, SL, VFSL	SM	A-2-4	0	0	91-100	75-100	49-82	22-45	0-47	NP-9
Watah----------	0-3	PEAT	PT	A-8	0	0	---	---	---	---	---	---
	3-8	MPT	PT	A-8	0	0	---	---	---	---	---	---
	8-15	MK-GR-COSL, MK-COSL	SM	A-1-b	0	0	55-100	53-100	32-68	18-42	0-66	NP-4
	15-63	GR-LCOS, LCOS	SM	A-1-b	0	0	57-100	55-100	32-66	13-32	0-23	NP-4
Marla----------	0-3	SPM	PT	A-8	0	0	---	---	---	---	---	---
	3-14	LCOS	SM	A-2-4	0	0	91-100	74-100	37-63	16-30	0-36	NP-3
	14-47	LCOS, LS	SM	A-2-4	0	0	91-100	75-100	38-63	16-30	0-20	NP-3
	47-59	CL	CL	A-7-6	0	0	100	91-100	80-96	63-77	37-46	19-25
	59-68	SR- SL FSL	SC-SM	A-4	0	0	100	82-100	57-89	27-53	0-31	NP-13
Riverwash.												
9101:												
Callat----------	0	SPM	PT	A-8	0-77	1-94	---	---	---	---	---	---
	0-9	GRV-COSL	GM	A-1-b	0-9	1-25	43-69	40-61	24-47	14-30	0-43	NP-5
	9-15	STV-COSL	GM	A-1-b	9-25	9-25	43-67	43-65	21-45	12-29	0-32	NP-6
	15-24	STV-COSL	GM	A-1-b	8-23	8-43	44-68	44-66	15-47	9-30	0-24	NP-6
	24-41	STX-COSL	GM	A-1-b	5-16	11-38	21-69	16-68	10-48	6-30	0-23	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9101:												
Glenalpine	0-11	CBV-FSL	SM	A-2-4	0-15	15-42	60-91	45-87	25-83	9-36	23-42	2-9
	11-40	CBX-FSL	SC-SM	A-1-b	0	42-71	56-89	13-78	11-75	5-37	18-36	2-9
	40-50	CBX-FSL	SM	A-2-4	0	42-71	58-95	16-91	14-84	6-41	0-25	NP-6
	50-59	CBX-FSL	GM	A-1-b	0	16-35	32-69	28-68	17-48	10-30	0-23	NP-6
Meeks, extremely bouldery	0-2	SPM	PT	A-8	74-94	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Tallac, very stony	0-1	SPM	PT	A-8	17-65	13-52	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Rock outcrop.												
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
9102:												
Callat	0	SPM	PT	A-8	0-77	1-94	---	---	---	---	---	---
	0-9	GRV-COSL	GM	A-1-b	0-9	1-25	43-69	40-61	24-47	14-30	0-43	NP-5
	9-15	STV-COSL	GM	A-1-b	9-25	9-25	43-67	43-65	21-45	12-29	0-32	NP-6
	15-24	STV-COSL	GM	A-1-b	8-23	8-43	44-68	44-66	15-47	9-30	0-24	NP-6
	24-41	STX-COSL	GM	A-1-b	5-16	11-38	21-69	16-68	10-48	6-30	0-23	NP-6
Glenalpine	0-11	CBV-FSL	SM	A-2-4	0-15	15-42	60-91	45-87	25-83	9-36	23-42	2-9
	11-40	CBX-FSL	SC-SM	A-1-b	0	42-71	56-89	13-78	11-75	5-37	18-36	2-9
	40-50	CBX-FSL	SM	A-2-4	0	42-71	58-95	16-91	14-84	6-41	0-25	NP-6
	50-59	CBX-FSL	GM	A-1-b	0	16-35	32-69	28-68	17-48	10-30	0-23	NP-6

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9102:												
Meeks, extremely bouldery------	0-2	SPM	PT	A-8	74-94	0	---	---	---	---	---	---
	2-13	GR-LCOS	SM	A-1-b	0	0-28	60-90	59-80	29-53	9-23	0-40	NP-6
	13-63	STX-LCOS	GW-GM	A-1-a	22-36	20-35	19-60	16-59	8-35	2-15	0-29	NP-6
	63-73	GR-LCOS	SM	A-1-b	0	0-20	70-93	69-87	34-55	10-23	0-26	NP-6
Tallac, very stony----------	0-1	SPM	PT	A-8	17-65	13-52	---	---	---	---	---	---
	1-22	GR-COSL	SM	A-1-b	0	0-22	47-70	43-68	27-46	16-29	0-43	NP-5
	22-32	CBX-COSL, CBV-COSL	SM	A-2-4	0	43-72	40-100	36-100	22-68	13-43	0-28	NP-5
	32-43	GRV-COSL	GM	A-1-b	0	0-16	28-59	28-57	14-39	8-24	0-24	NP-5
	43-66	GR-COSL	SM	A-1-b	0	0-14	56-80	56-79	32-54	19-34	0-24	NP-5
Rock outcrop.												
Oxyaquic Cryorthents----------	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
9111:												
Florand------------------------	0-1	GRV-PT-SL	GM	A-2, A-1	0-15	0-10	45-55	35-50	20-40	10-30	20-30	NP-5
	1-4	GRV-SL	GM	A-1, A-2	0-15	0-10	45-55	35-50	20-40	10-30	20-30	NP-5
	4-12	GR-SL	SM	A-1	0-15	0-10	65-85	50-75	35-65	15-35	20-30	NP-5
	12-18	GR-SL	SM	A-1	0-15	0-10	65-85	50-75	35-65	15-35	20-30	NP-5
	18-28	GRV-SL, GRV-COSL	GM	A-1, A-2	0-15	0-10	45-55	35-50	20-40	10-30	20-30	NP-5
	28-38	GRV-SL, GRV-COSL	GM	A-1, A-2	0-15	10-25	45-55	35-50	20-40	10-30	20-30	NP-5
	38-47	GR-SL	SM	A-1	0-15	0-20	65-85	50-75	35-65	15-35	20-30	NP-5
	47-57	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9111:												
Lostridge	0-3	GRV-COSL	GM, SM	A-1, A-2	0-15	0-10	45-60	35-50	20-40	10-30	20-30	NP-5
	3-11	GRV-COSL	GM, SM	A-1, A-2	0-15	0-10	45-60	35-50	20-40	10-30	20-30	NP-5
	11-23	GRV-COSL, GRV-SL	GM, SM	A-1, A-2	0-15	0-10	45-60	25-50	20-40	10-30	20-30	NP-5
	23-29	GRV-COSL, GRV-SL	SM, GM	A-1, A-2	0-15	0-10	45-60	25-50	20-40	10-30	20-30	NP-5
	29-39	BR	---	---	---	---	---	---	---	---	---	---
Fishsnooze	0-1	GRV-PT-COSL	GM	A-2, A-1	0-15	0-10	40-55	35-50	20-40	10-30	20-30	NP-5
	1-9	GRV-COSL, GRX-COSL, GRX-SL	GP-GM	A-1	0-15	0-15	25-45	15-35	10-25	5-15	20-30	NP-5
	9-13	GRX-COSL, GRV-COSL, GRX-SL	GP-GM	A-1	0-15	10-30	35-55	15-35	10-25	5-15	20-30	NP-5
	13-35	CBX-COSL, GRX-SL	GP-GM	A-1	0-15	20-60	25-65	10-45	10-25	5-15	20-30	NP-5
	35-45	BR	---	---	---	---	---	---	---	---	---	---
Aquic Haplocryolls	0-12	BYV-SL	SM	A-1	10-40	10-25	70-85	35-60	20-30	10-20	20-25	NP-5
	12-30	GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	30-39	GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	39-60	GRV-LCOS, GRX-LS	SM, SP-SM	A-1	0-15	0-15	55-75	20-40	10-25	5-15	---	NP
Lithnip, moist	0-1	GRX-SL	GP-GM	A-1	0-8	5-15	40-55	15-25	10-20	5-15	20-30	NP-5
	1-5	GRV-SL, GRX-SL	GW-GM	A-1	0-5	5-15	25-45	15-35	5-25	0-20	20-30	NP-5
	5-15	BR	---	---	---	---	---	---	---	---	---	---
Stumpatil	0-6	GRV-COSL	SM, GM	A-1	5-15	0-10	55-65	40-50	20-30	10-20	20-25	NP-5
	6-11	GRV-COSL	GM	A-1, A-2	0-15	0-18	50-65	35-50	20-35	15-30	10-25	NP-5
	11-26	GRV-COSL, GRV-SL	GM	A-1, A-2	0-15	0-25	50-65	35-50	20-35	15-30	10-25	NP-5
	26-33	GRV-COSL, GRV-SL	GM	A-1, A-2	0-15	0-25	50-65	35-50	20-35	15-30	20-25	NP-5
	33-60	GRV-COSL, GRV-SL	GM	A-1, A-2	0-15	0-25	50-65	35-50	20-35	15-30	20-25	NP-5
Lithnip	0-1	GRX-SL	GP-GM	A-1	0-8	5-15	40-55	15-25	10-20	5-15	20-30	NP-5
	1-5	GRV-SL, GRX-SL	GW-GM	A-1	0-5	5-15	25-45	15-35	5-25	0-20	20-30	NP-5
	5-15	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9111:												
Morscour	0-2	GRX-SL	GM	A-1	5-20	5-20	35-50	25-40	20-30	10-20	20-25	NP-5
	2-7	GRV-SL	SM, SP-SM	A-1	0-15	0-15	40-55	30-45	20-35	5-20	10-25	NP-5
	7-14	BR	---	---	---	---	---	---	---	---	---	---
	14-24	BR	---	---	---	---	---	---	---	---	---	---
Typic Cryaquolls	0-18	GRV-SL	GW-GM	A-1	0-5	5-20	35-45	25-35	10-25	0-20	20-30	NP-5
	18-60	GRX-LCOS	GP-GM	A-1	0	0	25-40	15-25	5-20	0-10	15-20	NP
9121:												
Watsonlake	0-2	SPM	PT	A-8	17-98	0-72	---	---	---	---	---	---
	2-8	GR-SL	GM	A-1-b	0-47	0-42	40-67	40-66	5-58	2-33	27-53	2-13
	8-18	GR-SL	GC-GM	A-1-b	2-47	0-42	40-67	40-66	5-57	2-33	20-46	2-13
	18-27	GRV-SCL	GC	A-2-6	2-38	0-35	24-73	24-58	7-58	4-39	30-41	13-21
	27-35	CBV-SCL	GC	A-2-6	1-32	0-30	44-77	44-76	8-70	5-41	30-42	13-21
	35-52	CBV-SCL	GC	A-2-6	1-36	0-30	45-71	45-70	8-64	5-38	29-40	13-21
	52-67	ST-L	CL	A-6	0-31	0-30	66-100	66-100	54-92	40-70	30-38	13-18
	67-77	BR	---	---	---	---	---	---	---	---	---	---
Jorge very cobbly fine sandy loam	0-2	SPM	PT	A-8	0-98	0-97	---	---	---	---	---	---
	2-9	CBV-FSL	SM	A-4	24-55	24-55	53-90	32-90	18-82	11-52	0-45	NP-5
	9-28	CBV-FSL	SC-SM	A-1-b	24-55	24-55	57-85	32-70	12-64	7-39	17-27	2-8
	28-34	CBV-FSL	SC-SM	A-1-b	24-55	24-55	57-85	32-70	12-64	7-39	17-27	2-8
	34-59	CBV-L	SC	A-6	0-30	35-59	39-93	39-80	6-76	5-56	25-36	9-17
Sky	0-1	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	1-2	HPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-3	MEDL-GR-SL	SM, GM	A-1-b, A-2-5	0	5-25	48-75	45-74	34-61	17-34	---	---
	3-5	CB-SL	GM, SM	A-1-b	0	13-34	52-75	52-74	28-61	14-34	0-38	NP-5
	5-24	STV-MEDL-SL	GM, SM	A-2-4, A-1-b	34-61	5-42	32-62	32-61	11-50	6-28	0-38	NP-5
	24-34	BR	---	---	---	---	---	---	---	---	---	---
Tahoma	0-3	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	3-14	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	29-51	3-13
	14-22	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	22-44	3-13
	22-38	GR-L	GC-GM	A-2-4	0	12-31	46-78	42-76	35-76	24-59	23-46	5-18
	38-59	GR-CL	CL	A-7-6	0	0-19	58-90	54-81	47-81	36-71	36-54	18-28
	59-71	CL	CL	A-7-6	0	0	74-100	74-100	62-99	48-79	36-52	18-28
	71-81	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9121:												
Waca----------	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Ellispeak----------	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9121:												
Oxyaquic Cryorthents----------	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
Rock outcrop.												
9122:												
Watsonlake----------	0-2	SPM	PT	A-8	17-98	0-72	---	---	---	---	---	---
	2-8	GR-SL	GM	A-1-b	0-47	0-42	40-67	40-66	5-58	2-33	27-53	2-13
	8-18	GR-SL	GC-GM	A-1-b	2-47	0-42	40-67	40-66	5-57	2-33	20-46	2-13
	18-27	GRV-SCL	GC	A-2-6	2-38	0-35	24-73	24-58	7-58	4-39	30-41	13-21
	27-35	CBV-SCL	GC	A-2-6	1-32	0-30	44-77	44-76	8-70	5-41	30-42	13-21
	35-52	CBV-SCL	GC	A-2-6	1-36	0-30	45-71	45-70	8-64	5-38	29-40	13-21
	52-67	ST-L	CL	A-6	0-31	0-30	66-100	66-100	54-92	40-70	30-38	13-18
	67-77	BR	---	---	---	---	---	---	---	---	---	---
Jorge very cobbly fine sandy loam----------	0-2	SPM	PT	A-8	0-98	0-97	---	---	---	---	---	---
	2-9	CBV-FSL	SM	A-4	24-55	24-55	53-90	32-90	18-82	11-52	0-45	NP-5
	9-28	CBV-FSL	SC-SM	A-1-b	24-55	24-55	57-85	32-70	12-64	7-39	17-27	2-8
	28-34	CBV-FSL	SC-SM	A-1-b	24-55	24-55	57-85	32-70	12-64	7-39	17-27	2-8
	34-59	CBV-L	SC	A-6	0-30	35-59	39-93	39-80	6-76	5-56	25-36	9-17
Tahoma----------	0-3	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	3-14	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	29-51	3-13
	14-22	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	22-44	3-13
	22-38	GR-L	GC-GM	A-2-4	0	12-31	46-78	42-76	35-76	24-59	23-46	5-18
	38-59	GR-CL	CL	A-7-6	0	0-19	58-90	54-81	47-81	36-71	36-54	18-28
	59-71	CL	CL	A-7-6	0	0	74-100	74-100	62-99	48-79	36-52	18-28
	71-81	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9122:												
Waca	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Sky	0-1	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	1-2	HPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-3	GR-MEDL-SL	SM, GM	A-1-b, A-2-5	0	5-25	48-75	45-74	34-61	17-34	---	---
	3-5	CB-SL	GM, SM	A-1-b	0	13-34	52-75	52-74	28-61	14-34	0-38	NP-5
	5-24	MEDL-STV-SL	GM, SM	A-2-4, A-1-b	34-61	5-42	32-62	32-61	11-50	6-28	0-38	NP-5
	24-34	BR	---	---	---	---	---	---	---	---	---	---
Ellispeak	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9122:												
Oxyaquic Cryorthents----------	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
Rock outcrop.												
9123:												
Watsonlake----------	0-2	SPM	PT	A-8	17-98	0-72	---	---	---	---	---	---
	2-8	GR-SL	GM	A-1-b	0-47	0-42	40-67	40-66	5-58	2-33	27-53	2-13
	8-18	GR-SL	GC-GM	A-1-b	2-47	0-42	40-67	40-66	5-57	2-33	20-46	2-13
	18-27	GRV-SCL	GC	A-2-6	2-38	0-35	24-73	24-58	7-58	4-39	30-41	13-21
	27-35	CBV-SCL	GC	A-2-6	1-32	0-30	44-77	44-76	8-70	5-41	30-42	13-21
	35-52	CBV-SCL	GC	A-2-6	1-36	0-30	45-71	45-70	8-64	5-38	29-40	13-21
	52-67	ST-L	CL	A-6	0-31	0-30	66-100	66-100	54-92	40-70	30-38	13-18
	67-77	BR	---	---	---	---	---	---	---	---	---	---
Jorge very cobbly fine sandy loam----------	0-2	SPM	PT	A-8	0-98	0-97	---	---	---	---	---	---
	2-9	CBV-FSL	SM	A-4	24-55	24-55	53-90	32-90	18-82	11-52	0-45	NP-5
	9-28	CBV-FSL	SC-SM	A-1-b	24-55	24-55	57-85	32-70	12-64	7-39	17-27	2-8
	28-34	CBV-FSL	SC-SM	A-1-b	24-55	24-55	57-85	32-70	12-64	7-39	17-27	2-8
	34-59	CBV-L	SC	A-6	0-30	35-59	39-93	39-80	6-76	5-56	25-36	9-17
Tahoma----------	0-3	SPM	PT	A-8	0-74	0-74	---	---	---	---	---	---
	3-14	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	29-51	3-13
	14-22	CBV-SL	GM	A-1-a	0	24-42	32-58	32-54	19-48	9-27	22-44	3-13
	22-38	GR-L	GC-GM	A-2-4	0	12-31	46-78	42-76	35-76	24-59	23-46	5-18
	38-59	GR-CL	CL	A-7-6	0	0-19	58-90	54-81	47-81	36-71	36-54	18-28
	59-71	CL	CL	A-7-6	0	0	74-100	74-100	62-99	48-79	36-52	18-28
	71-81	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9123:												
Waca	0-2	SPM	PT	A-8	0-10	0-10	---	---	---	---	---	---
	2-11	GRV-MEDL-COSL	GM	A-1-a	0	13-42	20-75	19-51	10-50	6-31	0-70	NP-4
	11-16	MEDL-GR-COSL, MEDL-GRV-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, GRV-MEDL-COSL	GM	A-1-a	0	0-42	20-67	19-66	10-44	6-28	0-63	NP-4
	16-23	MEDL-GR-COSL, GRV-MEDL-L, MEDL-GRV-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, MEDL-GR-SL, MEDL-GRV-COSL	GM	A-1-a	0	0-42	20-67	19-65	10-44	6-27	0-52	NP-4
	23-38	GR-MEDL-COSL, GRV-MEDL-L, GRV-MEDL-SL, MEDL-L, MEDL-SL, MEDL-COSL, MEDL-GR-L, GR-MEDL-SL, MEDL-GRV-COSL	GW-GM	A-1-a	0	0-40	22-69	21-68	11-46	6-28	0-37	NP-4
	38-48	BR	---	---	---	---	---	---	---	---	---	---
Sky	0-1	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	1-2	HPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-3	MEDL-GR-SL	SM, GM	A-1-b, A-2-5	0	5-25	48-75	45-74	34-61	17-34	---	---
	3-5	CB-SL	GM, SM	A-1-b	0	13-34	52-75	52-74	28-61	14-34	0-38	NP-5
	5-24	STV-MEDL-SL	GM, SM	A-2-4, A-1-b	34-61	5-42	32-62	32-61	11-50	6-28	0-38	NP-5
	24-34	BR	---	---	---	---	---	---	---	---	---	---
Ellispeak	0-2	ST-FSL	SM	A-2-4	5-24	13-24	57-79	53-74	32-72	15-39	25-41	4-11
	2-6	CBV-SL	SM	A-2-4	5-23	12-32	49-76	34-71	21-59	11-33	25-41	4-11
	6-12	GRX-FSL	GP-GC	A-2-4	10-28	19-35	46-64	7-38	6-38	3-25	22-38	6-13
	12-22	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9123:												
Oxyaquic Cryorthents----------	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
Rock outcrop.												
9131:												
Lithnip----------	0-2	GRX-SL	GP-GM	A-1	0-8	5-15	40-55	15-25	10-20	5-15	20-30	NP-5
	2-5	GRV-SL, GRX-SL	GW-GM	A-1	0-5	5-15	25-45	15-35	5-25	0-20	20-30	NP-5
	5-15	BR	---	---	---	---	---	---	---	---	---	---
Meiss----------	0-6	GR-ASHY-L	GM	A-7-5	0	10-25	50-80	45-75	40-70	25-50	42-67	9-16
	6-13	GR-ASHY-SL, GR-ASHY-L	GM	A-7-5	0	4-24	50-80	45-75	39-72	29-56	31-60	9-16
	13-23	BR	---	---	---	---	---	---	---	---	---	---
Hawkinspeak----------	0-3	GRV-SL	GM, SM	A-2	5-25	5-20	55-70	50-65	40-55	25-35	20-30	NP-5
	3-9	GRV-SL	GM	A-1, A-2	5-15	0-10	30-55	25-50	20-40	10-30	20-30	NP-5
	9-33	GRV-L, GRV-SL, GRV-SCL	GC	A-2, A-6	0-10	5-20	35-55	30-50	25-45	20-40	30-35	10-15
	33-43	BR	---	---	---	---	---	---	---	---	---	---
Lostridge----------	0-3	GRV-COSL	GM, SM	A-2, A-1	0-15	0-10	45-60	35-50	20-40	10-30	20-30	NP-5
	3-11	GRV-COSL	GM, SM	A-1, A-2	0-15	0-10	45-60	35-50	20-40	10-30	20-30	NP-5
	11-23	GRV-COSL, GRV-SL	GM, SM	A-1, A-2	0-15	0-10	45-60	25-50	20-40	10-30	20-30	NP-5
	23-29	GRV-COSL, GRV-SL	SM, GM	A-1, A-2	0-15	0-10	45-60	25-50	20-40	10-30	20-30	NP-5
	29-39	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9131:												
Fishsnooze	0-1	GRV-SL	GM	A-1	0-10	0-10	45-60	35-50	25-40	15-30	20-30	NP-5
	1-9	GRV-COSL, GRX-COSL, GRX-SL	GP-GM	A-1	0-15	0-15	25-45	15-35	10-25	5-15	20-30	NP-5
	9-13	GRX-COSL, GRV-COSL, GRX-SL	GP-GM	A-1	0-15	10-30	35-55	15-35	10-25	5-15	20-30	NP-5
	13-35	CBX-COSL, GRX-SL	GP-GM	A-1	0-15	20-60	25-65	10-45	10-25	5-15	20-30	NP-5
	35-45	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
Hawkinspeak, moist	0-3	GRV-SL	GM, SM	A-2	5-25	5-20	55-70	50-65	40-55	25-35	20-30	NP-5
	3-9	GRV-SL	GM	A-1, A-2	5-15	0-10	30-55	25-50	20-40	10-30	20-30	NP-5
	9-33	GRV-L, GRV-SL, GRV-SCL	GC	A-2, A-6	0-10	5-20	35-55	30-50	25-45	20-40	30-35	10-15
	33-43	BR	---	---	---	---	---	---	---	---	---	---
Aspocket	0-13	GR-SL	SM	A-1	5-15	0-10	65-85	50-75	35-65	15-35	20-30	NP-5
	13-38	STV-L, STV-CL	CL, GC, SC	A-6	35-45	0-10	60-85	50-75	40-65	35-60	30-40	10-15
	38-54	GR-CL, GRV-CL, GRV-L	SC, GC	A-6	0-10	0-10	45-75	35-65	30-60	20-45	30-40	10-15
	54-64	BR	---	---	---	---	---	---	---	---	---	---
Hawkridge	0-1	STV-SL	GM, SM	A-2	20-35	10-20	55-70	50-65	40-55	25-35	20-30	NP-5
	1-7	GRV-SL	GM	A-1, A-2	0-10	5-20	30-55	25-50	20-40	10-30	20-30	NP-5
	7-14	GRV-L, GRX-COSL, GRV-SCL	GC, GP-GC	A-2	0-10	5-20	25-45	20-40	10-30	5-20	30-35	10-15
	14-24	BR	---	---	---	---	---	---	---	---	---	---
Typic Cryaquolls	0-18	GRV-SL	GW-GM	A-1	0-5	5-20	35-45	25-35	10-25	0-20	20-30	NP-5
	18-60	GRX-LCOS	GP-GM	A-1	0	0	25-40	15-25	5-20	0-10	15-20	NP
9141:												
Melody	0-1	SPM	PT	A-8	13-62	10-44	---	---	---	---	---	---
	1-2	CBV-ASHY-SL	SM	A-2-5	0	22-57	53-83	51-82	37-72	17-40	0-71	NP-11
	2-9	ASHY-CBV-SL	SM	A-2-4	0	47-66	46-82	46-81	32-73	16-44	0-49	NP-11
	9-15	ASHY-CBV-SL, CBV-LCOS	SM	A-2-4	0	47-66	46-78	46-77	17-69	9-41	0-45	NP-11
	15-25	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop, volcanic.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9141:												
Sky----------	0-1	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	1-2	HPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-3	GR-MEDL-SL	SM, GM	A-1-b, A-2-5	0	5-25	48-75	45-74	34-61	17-34	---	---
	3-5	CB-SL	GM, SM	A-1-b	0	13-34	52-75	52-74	28-61	14-34	0-38	NP-5
	5-24	MEDL-STV-SL	GM, SM	A-2-4, A-1-b	34-61	5-42	32-62	32-61	11-50	6-28	0-38	NP-5
	24-34	BR	---	---	---	---	---	---	---	---	---	---
Mountrose----------	0-4	MEDL-LCOS	SM	A-1-b	0	0-31	65-93	43-78	17-53	6-22	0-56	NP-4
	4-15	GR-MEDL-COSL	SM	A-2-4	0	6-27	73-94	48-82	28-63	19-45	21-47	2-9
	15-29	CBX-MEDL-SL	SC-SM	A-2-4	0	32-69	60-93	21-87	15-71	9-45	18-36	2-9
	29-59	GRX-MEDL-SL	SC-SM	A-1-a	0	17-44	54-82	8-41	6-41	4-36	18-36	2-9
Wardcreek----------	0-4	ASHY-STV-L	GM	A-2-4	14-45	14-45	43-73	30-60	5-60	4-47	21-47	2-13
	4-12	ASHY-STV-SL	SC-SM	A-1-b	14-43	14-43	57-86	31-72	10-62	4-34	18-38	2-13
	12-18	ASHY-STV-SL	SC	A-2-4	10-35	10-35	39-79	39-75	13-62	5-32	17-34	2-13
	18-25	ASHY-STV-SL	SC-SM	A-1-b	9-32	9-32	43-81	43-77	15-67	7-36	16-31	2-13
	25-35	BR	---	---	---	---	---	---	---	---	---	---
Lithnip----------	0-2	GRX-SL	GP-GM	A-1	0-8	5-15	40-55	15-25	10-20	5-15	20-30	NP-5
	2-5	GRV-SL, GRX-SL	GW-GM	A-1	0-5	5-15	25-45	15-35	5-25	0-20	20-30	NP-5
	5-15	BR	---	---	---	---	---	---	---	---	---	---
Meiss----------	0-6	CB-ASHY-L	GM	A-7-5	0	13-33	49-76	46-75	39-71	29-55	42-67	9-16
	6-13	GR-ASHY-SL, GR-ASHY-L	GM	A-7-5	0	5-33	49-77	46-76	39-72	29-56	31-60	9-16
	13-23	UWB	---	---	---	---	---	---	---	---	0-14	NP
Oxyaquic Cryorthents----------	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9142:												
Melody	0-1	SPM	PT	A-8	13-62	10-44	---	---	---	---	---	---
	1-2	CBV-ASHY-SL	SM	A-2-5	0	22-57	53-83	51-82	37-72	17-40	0-71	NP-11
	2-9	ASHY-CBV-SL	SM	A-2-4	0	47-66	46-82	46-81	32-73	16-44	0-49	NP-11
	9-15	ASHY-CBV-SL, CBV-LCOS	SM	A-2-4	0	47-66	46-78	46-77	17-69	9-41	0-45	NP-11
	15-25	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop, volcanic.												
Sky	0-1	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	1-2	HPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-3	MEDL-GR-SL	SM, GM	A-1-b, A-2-5	0	5-25	48-75	45-74	34-61	17-34	---	---
	3-5	CB-SL	GM, SM	A-1-b	0	13-34	52-75	52-74	28-61	14-34	0-38	NP-5
	5-24	STV-MEDL-SL	GM, SM	A-2-4, A-1-b	34-61	5-42	32-62	32-61	11-50	6-28	0-38	NP-5
	24-34	BR	---	---	---	---	---	---	---	---	---	---
Mountrose	0-4	MEDL-LCOS	SM	A-1-b	0	0-31	65-93	43-78	17-53	6-22	0-56	NP-4
	4-15	GR-MEDL-COSL	SM	A-2-4	0	6-27	73-94	48-82	28-63	19-45	21-47	2-9
	15-29	CBX-MEDL-SL	SC-SM	A-2-4	0	32-69	60-93	21-87	15-71	9-45	18-36	2-9
	29-59	GRX-MEDL-SL	SC-SM	A-1-a	0	17-44	54-82	8-41	6-41	4-36	18-36	2-9
Wardcreek	0-4	ASHY-STV-L	GM	A-2-4	14-45	14-45	43-73	30-60	5-60	4-47	21-47	2-13
	4-12	ASHY-STV-SL	SC-SM	A-1-b	14-43	14-43	57-86	31-72	10-62	4-34	18-38	2-13
	12-18	ASHY-STV-SL	SC	A-2-4	10-35	10-35	39-79	39-75	13-62	5-32	17-34	2-13
	18-25	ASHY-STV-SL	SC-SM	A-1-b	9-32	9-32	43-81	43-77	15-67	7-36	16-31	2-13
	25-35	BR	---	---	---	---	---	---	---	---	---	---
Lithnip	0-2	GRX-SL	GP-GM	A-1	0-8	5-15	40-55	15-25	10-20	5-15	20-30	NP-5
	2-5	GRV-SL, GRX-SL	GW-GM	A-1	0-5	5-15	25-45	15-35	5-25	0-20	20-30	NP-5
	5-15	BR	---	---	---	---	---	---	---	---	---	---
Meiss	0-6	CB-ASHY-L	GM	A-7-5	0	13-33	49-76	46-75	39-71	29-55	42-67	9-16
	6-13	GR-ASHY-SL, GR-ASHY-L	GM	A-7-5	0	5-33	49-77	46-76	39-72	29-56	31-60	9-16
	13-23	UWB	---	---	---	---	---	---	---	---	0-14	NP

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9142:												
Oxyaquic Cryorthents----------	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
9143:												
Melody----------	0-1	SPM	PT	A-8	13-62	10-44	---	---	---	---	---	---
	1-2	CBV-ASHY-SL	SM	A-2-5	0	22-57	53-83	51-82	37-72	17-40	0-71	NP-11
	2-9	ASHY-CBV-SL	SM	A-2-4	0	47-66	46-82	46-81	32-73	16-44	0-49	NP-11
	9-15	ASHY-CBV-SL, CBV-LCOS	SM	A-2-4	0	47-66	46-78	46-77	17-69	9-41	0-45	NP-11
	15-25	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop, volcanic.												
Sky----------	0-1	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	1-2	HPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-3	GR-MEDL-SL	SM, GM	A-1-b, A-2-5	0	5-25	48-75	45-74	34-61	17-34	---	---
	3-5	CB-SL	GM, SM	A-1-b	0	13-34	52-75	52-74	28-61	14-34	0-38	NP-5
	5-24	STV-MEDL-SL	GM, SM	A-2-4, A-1-b	34-61	5-42	32-62	32-61	11-50	6-28	0-38	NP-5
	24-34	BR	---	---	---	---	---	---	---	---	---	---
Mountrose----------	0-4	MEDL-LCOS	SM	A-1-b	0	0-31	65-93	43-78	17-53	6-22	0-56	NP-4
	4-15	GR-MEDL-COSL	SM	A-2-4	0	6-27	73-94	48-82	28-63	19-45	21-47	2-9
	15-29	CBX-MEDL-SL	SC-SM	A-2-4	0	32-69	60-93	21-87	15-71	9-45	18-36	2-9
	29-59	GRX-MEDL-SL	SC-SM	A-1-a	0	17-44	54-82	8-41	6-41	4-36	18-36	2-9
Wardcreek----------	0-4	ASHY-STV-L	GM	A-2-4	14-45	14-45	43-73	30-60	5-60	4-47	21-47	2-13
	4-12	ASHY-STV-SL	SC-SM	A-1-b	14-43	14-43	57-86	31-72	10-62	4-34	18-38	2-13
	12-18	ASHY-STV-SL	SC	A-2-4	10-35	10-35	39-79	39-75	13-62	5-32	17-34	2-13
	18-25	ASHY-STV-SL	SC-SM	A-1-b	9-32	9-32	43-81	43-77	15-67	7-36	16-31	2-13
	25-35	BR	---	---	---	---	---	---	---	---	---	---
Lithnip----------	0-2	GRX-SL	GP-GM	A-1	0-8	5-15	40-55	15-25	10-20	5-15	20-30	NP-5
	2-5	GRV-SL, GRX-SL	GW-GM	A-1	0-5	5-15	25-45	15-35	5-25	0-20	20-30	NP-5
	5-15	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9143:												
Meiss	0-6	CB-ASHY-L	GM	A-7-5	0	13-33	49-76	46-75	39-71	29-55	42-67	9-16
	6-13	GR-ASHY-SL, GR-ASHY-L	GM	A-7-5	0	5-33	49-77	46-76	39-72	29-56	31-60	9-16
	13-23	UWB	---	---	---	---	---	---	---	---	0-14	NP
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
9151:												
Shakespeare	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-2	SIL	CL	A-6	0	0-10	80-100	79-100	69-100	57-87	29-53	7-18
	2-5	GRV-L, GR-L	GM	A-2-6	0	0-19	34-73	31-72	25-68	17-51	29-52	7-18
	5-34	GRV-CL, GRV-L, GR-CL, GR-L	GC	A-2-7	0	5-23	36-71	33-70	29-67	22-54	35-47	17-25
	34-61	SICL	CL	A-7-6	0	0-8	84-100	83-100	77-100	68-95	37-51	19-29
Deerhill	0-1	SPM	PT	A-8	0-63	0-63	---	---	---	---	---	---
	1-9	GR-FSL	SM	A-2-4	0	0	82-85	67-77	59-72	25-33	22-38	1-6
	1-9	FSL	SM	A-2-4	0	0	85-95	77-92	67-86	28-39	22-38	1-6
	9-35	FSL, GR-FSL	SC-SM	A-2-4	0-3	0-12	80-92	67-92	59-86	26-41	20-30	3-8
	35-51	L	CL	A-6	0	0	100	100	81-93	58-70	26-40	9-18
	51-65	PGRX-L	CL	A-6	0	0	100	100	81-93	58-70	26-40	9-18
Mountrose	0-4	MEDL-LCOS	SM	A-1-b	0	0-31	65-93	43-78	17-53	6-22	0-56	NP-4
	4-15	GR-MEDL-COSL	SM	A-2-4	0	6-27	73-94	48-82	28-63	19-45	21-47	2-9
	15-29	CBX-MEDL-SL	SC-SM	A-2-4	0	32-69	60-93	21-87	15-71	9-45	18-36	2-9
	29-59	GRX-MEDL-SL	SC-SM	A-1-a	0	17-44	54-82	8-41	6-41	4-36	18-36	2-9
Melody	0-1	SPM	PT	A-8	13-62	10-44	---	---	---	---	---	---
	1-2	CBV-ASHY-SL	SM	A-2-5	0	22-57	53-83	51-82	37-72	17-40	0-71	NP-11
	2-9	ASHY-CBV-SL	SM	A-2-4	0	47-66	46-82	46-81	32-73	16-44	0-49	NP-11
	9-15	ASHY-CBV-SL, CBV-LCOS	SM	A-2-4	0	47-66	46-78	46-77	17-69	9-41	0-45	NP-11
	15-25	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9151:												
Wardcreek	0-4	ASHY-STV-L	GM	A-2-4	14-45	14-45	43-73	30-60	5-60	4-47	21-47	2-13
	4-12	ASHY-STV-SL	SC-SM	A-1-b	14-43	14-43	57-86	31-72	10-62	4-34	18-38	2-13
	12-18	ASHY-STV-SL	SC	A-2-4	10-35	10-35	39-79	39-75	13-62	5-32	17-34	2-13
	18-25	ASHY-STV-SL	SC-SM	A-1-b	9-32	9-32	43-81	43-77	15-67	7-36	16-31	2-13
	25-35	BR	---	---	---	---	---	---	---	---	---	---
Dagget very gravelly loamy coarse sand	0-1	SPM	PT	A-8	6-76	2-57	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
Temo	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Witefels	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---
9152:												
Shakespeare	0-1	SPM	PT	A-8	12-67	4-47	---	---	---	---	---	---
	1-2	SIL	CL	A-6	0	0-10	80-100	79-100	69-100	57-87	29-53	7-18
	2-5	GRV-L, GR-L	GM	A-2-6	0	0-19	34-73	31-72	25-68	17-51	29-52	7-18
	5-34	GRV-CL, GRV-L, GR-CL, GR-L	GC	A-2-7	0	5-23	36-71	33-70	29-67	22-54	35-47	17-25
	34-61	SICL	CL	A-7-6	0	0-8	84-100	83-100	77-100	68-95	37-51	19-29

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9152:												
Deerhill	0-1	SPM	PT	A-8	0-63	0-63	---	---	---	---	---	---
	1-9	FSL	SM	A-2-4	0	0	85-95	77-92	67-86	28-39	22-38	1-6
	1-9	GR-FSL	SM	A-2-4	0	0	82-85	67-77	59-72	25-33	22-38	1-6
	9-35	FSL, GR-FSL	SC-SM	A-2-4	0-3	0-12	80-92	67-92	59-86	26-41	20-30	3-8
	35-51	L	CL	A-6	0	0	100	100	81-93	58-70	26-40	9-18
	51-65	PGRX-L	CL	A-6	0	0	100	100	81-93	58-70	26-40	9-18
Mountrose	0-4	MEDL-LCOS	SM	A-1-b	0	0-31	65-93	43-78	17-53	6-22	0-56	NP-4
	4-15	GR-MEDL-COSL	SM	A-2-4	0	6-27	73-94	48-82	28-63	19-45	21-47	2-9
	15-29	CBX-MEDL-SL	SC-SM	A-2-4	0	32-69	60-93	21-87	15-71	9-45	18-36	2-9
	29-59	GRX-MEDL-SL	SC-SM	A-1-a	0	17-44	54-82	8-41	6-41	4-36	18-36	2-9
Melody	0-1	SPM	PT	A-8	13-62	10-44	---	---	---	---	---	---
	1-2	CBV-ASHY-SL	SM	A-2-5	0	22-57	53-83	51-82	37-72	17-40	0-71	NP-11
	2-9	ASHY-CBV-SL	SM	A-2-4	0	47-66	46-82	46-81	32-73	16-44	0-49	NP-11
	9-15	ASHY-CBV-SL, CBV-LCOS	SM	A-2-4	0	47-66	46-78	46-77	17-69	9-41	0-45	NP-11
	15-25	BR	---	---	---	---	---	---	---	---	---	---
Wardcreek	0-4	ASHY-STV-L	GM	A-2-4	14-45	14-45	43-73	30-60	5-60	4-47	21-47	2-13
	4-12	ASHY-STV-SL	SC-SM	A-1-b	14-43	14-43	57-86	31-72	10-62	4-34	18-38	2-13
	12-18	ASHY-STV-SL	SC	A-2-4	10-35	10-35	39-79	39-75	13-62	5-32	17-34	2-13
	18-25	ASHY-STV-SL	SC-SM	A-1-b	9-32	9-32	43-81	43-77	15-67	7-36	16-31	2-13
	25-35	BR	---	---	---	---	---	---	---	---	---	---
Dagget very gravelly loamy coarse sand	0-1	SPM	PT	A-8	6-76	2-57	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9152:												
Temo	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Witefels	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---
9161:												
Sky	0-1	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	1-2	HPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-3	MEDL-GR-SL	SM, GM	A-1-b, A-2-5	0	5-25	48-75	45-74	34-61	17-34	---	---
	3-5	CB-SL	GM, SM	A-1-b	0	13-34	52-75	52-74	28-61	14-34	0-38	NP-5
	5-24	STV-MEDL-SL	GM, SM	A-2-4, A-1-b	34-61	5-42	32-62	32-61	11-50	6-28	0-38	NP-5
	24-34	BR	---	---	---	---	---	---	---	---	---	---
Melody	0-1	SPM	PT	A-8	13-62	10-44	---	---	---	---	---	---
	1-2	CBV-ASHY-SL	SM	A-2-5	0	22-57	53-83	51-82	37-72	17-40	0-71	NP-11
	2-9	ASHY-CBV-SL	SM	A-2-4	0	47-66	46-82	46-81	32-73	16-44	0-49	NP-11
	9-15	ASHY-CBV-SL, CBV-LCOS	SM	A-2-4	0	47-66	46-78	46-77	17-69	9-41	0-45	NP-11
	15-25	BR	---	---	---	---	---	---	---	---	---	---
Mountrose	0-4	MEDL-LCOS	SM	A-1-b	0	0-31	65-93	43-78	17-53	6-22	0-56	NP-4
	4-15	GR-MEDL-COSL	SM	A-2-4	0	6-27	73-94	48-82	28-63	19-45	21-47	2-9
	15-29	CBX-MEDL-SL	SC-SM	A-2-4	0	32-69	60-93	21-87	15-71	9-45	18-36	2-9
	29-59	GRX-MEDL-SL	SC-SM	A-1-a	0	17-44	54-82	8-41	6-41	4-36	18-36	2-9
Wardcreek	0-4	ASHY-STV-L	GM	A-2-4	14-45	14-45	43-73	30-60	5-60	4-47	21-47	2-13
	4-12	ASHY-STV-SL	SC-SM	A-1-b	14-43	14-43	57-86	31-72	10-62	4-34	18-38	2-13
	12-18	ASHY-STV-SL	SC	A-2-4	10-35	10-35	39-79	39-75	13-62	5-32	17-34	2-13
	18-25	ASHY-STV-SL	SC-SM	A-1-b	9-32	9-32	43-81	43-77	15-67	7-36	16-31	2-13
	25-35	BR	---	---	---	---	---	---	---	---	---	---
Lithnip	0-2	GRX-SL	GP-GM	A-1	0-8	5-15	40-55	15-25	10-20	5-15	20-30	NP-5
	2-5	GRV-SL, GRX-SL	GW-GM	A-1	0-5	5-15	25-45	15-35	5-25	0-20	20-30	NP-5
	5-15	BR	---	---	---	---	---	---	---	---	---	---
Meiss	0-6	CB-ASHY-L	GM	A-7-5	0	13-33	49-76	46-75	39-71	29-55	42-67	9-16
	6-13	GR-ASHY-SL, GR-ASHY-L	GM	A-7-5	0	5-33	49-77	46-76	39-72	29-56	31-60	9-16
	13-23	UWB	---	---	---	---	---	---	---	---	0-14	NP

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9161:												
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
9162:												
Sky	0-1	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	1-2	HPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-3	MEDL-GR-SL	SM, GM	A-1-b, A-2-5	0	5-25	48-75	45-74	34-61	17-34	---	---
	3-5	CB-SL	GM, SM	A-1-b	0	13-34	52-75	52-74	28-61	14-34	0-38	NP-5
	5-24	MEDL-STV-SL	GM, SM	A-2-4, A-1-b	34-61	5-42	32-62	32-61	11-50	6-28	0-38	NP-5
	24-34	BR	---	---	---	---	---	---	---	---	---	---
Melody	0-1	SPM	PT	A-8	13-62	10-44	---	---	---	---	---	---
	1-2	CBV-ASHY-SL	SM	A-2-5	0	22-57	53-83	51-82	37-72	17-40	0-71	NP-11
	2-9	ASHY-CBV-SL	SM	A-2-4	0	47-66	46-82	46-81	32-73	16-44	0-49	NP-11
	9-15	ASHY-CBV-SL, CBV-LCOS	SM	A-2-4	0	47-66	46-78	46-77	17-69	9-41	0-45	NP-11
	15-25	BR	---	---	---	---	---	---	---	---	---	---
Mountrose	0-4	MEDL-LCOS	SM	A-1-b	0	0-31	65-93	43-78	17-53	6-22	0-56	NP-4
	4-15	GR-MEDL-COSL	SM	A-2-4	0	6-27	73-94	48-82	28-63	19-45	21-47	2-9
	15-29	CBX-MEDL-SL	SC-SM	A-2-4	0	32-69	60-93	21-87	15-71	9-45	18-36	2-9
	29-59	GRX-MEDL-SL	SC-SM	A-1-a	0	17-44	54-82	8-41	6-41	4-36	18-36	2-9
Wardcreek	0-4	ASHY-STV-L	GM	A-2-4	14-45	14-45	43-73	30-60	5-60	4-47	21-47	2-13
	4-12	ASHY-STV-SL	SC-SM	A-1-b	14-43	14-43	57-86	31-72	10-62	4-34	18-38	2-13
	12-18	ASHY-STV-SL	SC	A-2-4	10-35	10-35	39-79	39-75	13-62	5-32	17-34	2-13
	18-25	ASHY-STV-SL	SC-SM	A-1-b	9-32	9-32	43-81	43-77	15-67	7-36	16-31	2-13
	25-35	BR	---	---	---	---	---	---	---	---	---	---
Lithnip	0-2	GRX-SL	GP-GM	A-1	0-8	5-15	40-55	15-25	10-20	5-15	20-30	NP-5
	2-5	GRV-SL, GRX-SL	GW-GM	A-1	0-5	5-15	25-45	15-35	5-25	0-20	20-30	NP-5
	5-15	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9162:												
Meiss	0-6	CB-ASHY-L	GM	A-7-5	0	13-33	49-76	46-75	39-71	29-55	42-67	9-16
	6-13	GR-ASHY-SL, GR-ASHY-L	GM	A-7-5	0	5-33	49-77	46-76	39-72	29-56	31-60	9-16
	13-23	UWB	---	---	---	---	---	---	---	---	0-14	NP
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
9163:												
Sky	0-1	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	1-2	HPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-3	MEDL-GR-SL	SM, GM	A-1-b, A-2-5	0	5-25	48-75	45-74	34-61	17-34	---	---
	3-5	CB-SL	GM, SM	A-1-b	0	13-34	52-75	52-74	28-61	14-34	0-38	NP-5
	5-24	STV-MEDL-SL	GM, SM	A-2-4, A-1-b	34-61	5-42	32-62	32-61	11-50	6-28	0-38	NP-5
	24-34	BR	---	---	---	---	---	---	---	---	---	---
Melody	0-1	SPM	PT	A-8	13-62	10-44	---	---	---	---	---	---
	1-2	CBV-ASHY-SL	SM	A-2-5	0	22-57	53-83	51-82	37-72	17-40	0-71	NP-11
	2-9	ASHY-CBV-SL	SM	A-2-4	0	47-66	46-82	46-81	32-73	16-44	0-49	NP-11
	9-15	ASHY-CBV-SL, CBV-LCOS	SM	A-2-4	0	47-66	46-78	46-77	17-69	9-41	0-45	NP-11
	15-25	BR	---	---	---	---	---	---	---	---	---	---
Mountrose	0-4	MEDL-LCOS	SM	A-1-b	0	0-31	65-93	43-78	17-53	6-22	0-56	NP-4
	4-15	GR-MEDL-COSL	SM	A-2-4	0	6-27	73-94	48-82	28-63	19-45	21-47	2-9
	15-29	CBX-MEDL-SL	SC-SM	A-2-4	0	32-69	60-93	21-87	15-71	9-45	18-36	2-9
	29-59	GRX-MEDL-SL	SC-SM	A-1-a	0	17-44	54-82	8-41	6-41	4-36	18-36	2-9
Wardcreek	0-4	ASHY-STV-L	GM	A-2-4	14-45	14-45	43-73	30-60	5-60	4-47	21-47	2-13
	4-12	ASHY-STV-SL	SC-SM	A-1-b	14-43	14-43	57-86	31-72	10-62	4-34	18-38	2-13
	12-18	ASHY-STV-SL	SC	A-2-4	10-35	10-35	39-79	39-75	13-62	5-32	17-34	2-13
	18-25	ASHY-STV-SL	SC-SM	A-1-b	9-32	9-32	43-81	43-77	15-67	7-36	16-31	2-13
	25-35	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9163:												
Lithnip	0-2	GRX-SL	GP-GM	A-1	0-8	5-15	40-55	15-25	10-20	5-15	20-30	NP-5
	2-5	GRV-SL, GRX-SL	GW-GM	A-1	0-5	5-15	25-45	15-35	5-25	0-20	20-30	NP-5
	5-15	BR	---	---	---	---	---	---	---	---	---	---
Meiss	0-6	CB-ASHY-L	GM	A-7-5	0	13-33	49-76	46-75	39-71	29-55	42-67	9-16
	6-13	GR-ASHY-SL, GR-ASHY-L	GM	A-7-5	0	5-33	49-77	46-76	39-72	29-56	31-60	9-16
	13-23	UWB	---	---	---	---	---	---	---	---	0-14	NP
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
9164:												
Sky	0-1	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	1-2	HPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-3	MEDL-GR-SL	SM, GM	A-1-b, A-2-5	0	5-25	48-75	45-74	34-61	17-34	---	---
	3-5	CB-SL	GM, SM	A-1-b	0	13-34	52-75	52-74	28-61	14-34	0-38	NP-5
	5-24	MEDL-STV-SL	GM, SM	A-2-4, A-1-b	34-61	5-42	32-62	32-61	11-50	6-28	0-38	NP-5
	24-34	BR	---	---	---	---	---	---	---	---	---	---
Melody	0-1	SPM	PT	A-8	13-62	10-44	---	---	---	---	---	---
	1-2	CBV-ASHY-SL	SM	A-2-5	0	22-57	53-83	51-82	37-72	17-40	0-71	NP-11
	2-9	ASHY-CBV-SL	SM	A-2-4	0	47-66	46-82	46-81	32-73	16-44	0-49	NP-11
	9-15	ASHY-CBV-SL, CBV-LCOS	SM	A-2-4	0	47-66	46-78	46-77	17-69	9-41	0-45	NP-11
	15-25	BR	---	---	---	---	---	---	---	---	---	---
Mountrose	0-4	MEDL-LCOS	SM	A-1-b	0	0-31	65-93	43-78	17-53	6-22	0-56	NP-4
	4-15	GR-MEDL-COSL	SM	A-2-4	0	6-27	73-94	48-82	28-63	19-45	21-47	2-9
	15-29	CBX-MEDL-SL	SC-SM	A-2-4	0	32-69	60-93	21-87	15-71	9-45	18-36	2-9
	29-59	GRX-MEDL-SL	SC-SM	A-1-a	0	17-44	54-82	8-41	6-41	4-36	18-36	2-9

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9164:												
Wardcreek	0-4	ASHY-STV-L	GM	A-2-4	14-45	14-45	43-73	30-60	5-60	4-47	21-47	2-13
	4-12	ASHY-STV-SL	SC-SM	A-1-b	14-43	14-43	57-86	31-72	10-62	4-34	18-38	2-13
	12-18	ASHY-STV-SL	SC	A-2-4	10-35	10-35	39-79	39-75	13-62	5-32	17-34	2-13
	18-25	ASHY-STV-SL	SC-SM	A-1-b	9-32	9-32	43-81	43-77	15-67	7-36	16-31	2-13
	25-35	BR	---	---	---	---	---	---	---	---	---	---
Lithnip	0-2	GRX-SL	GP-GM	A-1	0-8	5-15	40-55	15-25	10-20	5-15	20-30	NP-5
	2-5	GRV-SL, GRX-SL	GW-GM	A-1	0-5	5-15	25-45	15-35	5-25	0-20	20-30	NP-5
	5-15	BR	---	---	---	---	---	---	---	---	---	---
Meiss	0-6	CB-ASHY-L	GM	A-7-5	0	13-33	49-76	46-75	39-71	29-55	42-67	9-16
	6-13	GR-ASHY-SL, GR-ASHY-L	GM	A-7-5	0	5-33	49-77	46-76	39-72	29-56	31-60	9-16
	13-23	UWB	---	---	---	---	---	---	---	---	0-14	NP
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
9165:												
Sky	0-1	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	1-2	HPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-3	MEDL-GR-SL	SM, GM	A-1-b, A-2-5	0	5-25	48-75	45-74	34-61	17-34	---	---
	3-5	CB-SL	GM, SM	A-1-b	0	13-34	52-75	52-74	28-61	14-34	0-38	NP-5
	5-24	STV-MEDL-SL	GM, SM	A-2-4, A-1-b	34-61	5-42	32-62	32-61	11-50	6-28	0-38	NP-5
	24-34	BR	---	---	---	---	---	---	---	---	---	---
Melody	0-1	SPM	PT	A-8	13-62	10-44	---	---	---	---	---	---
	1-2	CBV-ASHY-SL	SM	A-2-5	0	22-57	53-83	51-82	37-72	17-40	0-71	NP-11
	2-9	ASHY-CBV-SL	SM	A-2-4	0	47-66	46-82	46-81	32-73	16-44	0-49	NP-11
	9-15	ASHY-CBV-SL, CBV-LCOS	SM	A-2-4	0	47-66	46-78	46-77	17-69	9-41	0-45	NP-11
	15-25	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9165:												
Mountrose	0-4	MEDL-LCOS	SM	A-1-b	0	0-31	65-93	43-78	17-53	6-22	0-56	NP-4
	4-15	GR-MEDL-COSL	SM	A-2-4	0	6-27	73-94	48-82	28-63	19-45	21-47	2-9
	15-29	CBX-MEDL-SL	SC-SM	A-2-4	0	32-69	60-93	21-87	15-71	9-45	18-36	2-9
	29-59	GRX-MEDL-SL	SC-SM	A-1-a	0	17-44	54-82	8-41	6-41	4-36	18-36	2-9
Wardcreek	0-4	ASHY-STV-L	GM	A-2-4	14-45	14-45	43-73	30-60	5-60	4-47	21-47	2-13
	4-12	ASHY-STV-SL	SC-SM	A-1-b	14-43	14-43	57-86	31-72	10-62	4-34	18-38	2-13
	12-18	ASHY-STV-SL	SC	A-2-4	10-35	10-35	39-79	39-75	13-62	5-32	17-34	2-13
	18-25	ASHY-STV-SL	SC-SM	A-1-b	9-32	9-32	43-81	43-77	15-67	7-36	16-31	2-13
	25-35	BR	---	---	---	---	---	---	---	---	---	---
Lithnip	0-2	GRX-SL	GP-GM	A-1	0-8	5-15	40-55	15-25	10-20	5-15	20-30	NP-5
	2-5	GRV-SL, GRX-SL	GW-GM	A-1	0-5	5-15	25-45	15-35	5-25	0-20	20-30	NP-5
	5-15	BR	---	---	---	---	---	---	---	---	---	---
Meiss	0-6	CB-ASHY-L	GM	A-7-5	0	13-33	49-76	46-75	39-71	29-55	42-67	9-16
	6-13	GR-ASHY-SL, GR-ASHY-L	GM	A-7-5	0	5-33	49-77	46-76	39-72	29-56	31-60	9-16
	13-23	UWB	---	---	---	---	---	---	---	---	0-14	NP
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
9166:												
Sky	0-1	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	1-2	HPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-3	MEDL-GR-SL	SM, GM	A-1-b, A-2-5	0	5-25	48-75	45-74	34-61	17-34	---	---
	3-5	CB-SL	GM, SM	A-1-b	0	13-34	52-75	52-74	28-61	14-34	0-38	NP-5
	5-24	STV-MEDL-SL	GM, SM	A-2-4, A-1-b	34-61	5-42	32-62	32-61	11-50	6-28	0-38	NP-5
	24-34	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9166:												
Melody	0-1	SPM	PT	A-8	13-62	10-44	---	---	---	---	---	---
	1-2	CBV-ASHY-SL	SM	A-2-5	0	22-57	53-83	51-82	37-72	17-40	0-71	NP-11
	2-9	ASHY-CBV-SL	SM	A-2-4	0	47-66	46-82	46-81	32-73	16-44	0-49	NP-11
	9-15	ASHY-CBV-SL, CBV-LCOS	SM	A-2-4	0	47-66	46-78	46-77	17-69	9-41	0-45	NP-11
	15-25	BR	---	---	---	---	---	---	---	---	---	---
Mountrose	0-4	MEDL-LCOS	SM	A-1-b	0	0-31	65-93	43-78	17-53	6-22	0-56	NP-4
	4-15	GR-MEDL-COSL	SM	A-2-4	0	6-27	73-94	48-82	28-63	19-45	21-47	2-9
	15-29	CBX-MEDL-SL	SC-SM	A-2-4	0	32-69	60-93	21-87	15-71	9-45	18-36	2-9
	29-59	GRX-MEDL-SL	SC-SM	A-1-a	0	17-44	54-82	8-41	6-41	4-36	18-36	2-9
Wardcreek	0-4	ASHY-STV-L	GM	A-2-4	14-45	14-45	43-73	30-60	5-60	4-47	21-47	2-13
	4-12	ASHY-STV-SL	SC-SM	A-1-b	14-43	14-43	57-86	31-72	10-62	4-34	18-38	2-13
	12-18	ASHY-STV-SL	SC	A-2-4	10-35	10-35	39-79	39-75	13-62	5-32	17-34	2-13
	18-25	ASHY-STV-SL	SC-SM	A-1-b	9-32	9-32	43-81	43-77	15-67	7-36	16-31	2-13
	25-35	BR	---	---	---	---	---	---	---	---	---	---
Lithnip	0-2	GRX-SL	GP-GM	A-1	0-8	5-15	40-55	15-25	10-20	5-15	20-30	NP-5
	2-5	GRV-SL, GRX-SL	GW-GM	A-1	0-5	5-15	25-45	15-35	5-25	0-20	20-30	NP-5
	5-15	BR	---	---	---	---	---	---	---	---	---	---
Meiss	0-6	CB-ASHY-L	GM	A-7-5	0	13-33	49-76	46-75	39-71	29-55	42-67	9-16
	6-13	GR-ASHY-SL, GR-ASHY-L	GM	A-7-5	0	5-33	49-77	46-76	39-72	29-56	31-60	9-16
	13-23	UWB	---	---	---	---	---	---	---	---	0-14	NP
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9171:												
Mountrose	0-4	MEDL-LCOS	SM	A-1-b	0	0-31	65-93	43-78	17-53	6-22	0-56	NP-4
	4-15	GR-MEDL-COSL	SM	A-2-4	0	6-27	73-94	48-82	28-63	19-45	21-47	2-9
	15-29	CBX-MEDL-SL	SC-SM	A-2-4	0	32-69	60-93	21-87	15-71	9-45	18-36	2-9
	29-59	GRX-MEDL-SL	SC-SM	A-1-a	0	17-44	54-82	8-41	6-41	4-36	18-36	2-9
Wardcreek	0-4	ASHY-STV-L	GM	A-2-4	14-45	14-45	43-73	30-60	5-60	4-47	21-47	2-13
	4-12	ASHY-STV-SL	SC-SM	A-1-b	14-43	14-43	57-86	31-72	10-62	4-34	18-38	2-13
	12-18	ASHY-STV-SL	SC	A-2-4	10-35	10-35	39-79	39-75	13-62	5-32	17-34	2-13
	18-25	ASHY-STV-SL	SC-SM	A-1-b	9-32	9-32	43-81	43-77	15-67	7-36	16-31	2-13
	25-35	BR	---	---	---	---	---	---	---	---	---	---
Melody	0-1	SPM	PT	A-8	13-62	10-44	---	---	---	---	---	---
	1-2	CBV-ASHY-SL	SM	A-2-5	0	22-57	53-83	51-82	37-72	17-40	0-71	NP-11
	2-9	ASHY-CBV-SL	SM	A-2-4	0	47-66	46-82	46-81	32-73	16-44	0-49	NP-11
	9-15	ASHY-CBV-SL, CBV-LCOS	SM	A-2-4	0	47-66	46-78	46-77	17-69	9-41	0-45	NP-11
	15-25	BR	---	---	---	---	---	---	---	---	---	---
Meiss	0-6	CB-ASHY-L	GM	A-7-5	0	13-33	49-76	46-75	39-71	29-55	42-67	9-16
	6-13	GR-ASHY-SL, GR-ASHY-L	GM	A-7-5	0	5-33	49-77	46-76	39-72	29-56	31-60	9-16
	13-23	UWB	---	---	---	---	---	---	---	---	0-14	NP
Rock outcrop.												
Rubble land.												
Sky	0-1	SPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	1-2	HPM	PT	A-8	0-86	0-86	---	---	---	---	---	---
	2-3	GR-MEDL-SL	SM, GM	A-1-b, A-2-5	0	5-25	48-75	45-74	34-61	17-34	---	---
	3-5	CB-SL	GM, SM	A-1-b	0	13-34	52-75	52-74	28-61	14-34	0-38	NP-5
	5-24	MEDL-STV-SL	GM, SM	A-2-4, A-1-b	34-61	5-42	32-62	32-61	11-50	6-28	0-38	NP-5
	24-34	BR	---	---	---	---	---	---	---	---	---	---
9401:												
Dagget very gravelly loamy coarse sand	0-1	SPM	PT	A-8	6-76	2-57	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9401:												
Temo	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Witefels	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---
Jobsis	0-1	GRV-LCOS	SM, SP-SM	A-1	5-15	5-10	65-85	40-60	25-40	5-20	---	NP
	1-5	GRV-LCOS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	5-9	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	9-12	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	12-17	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	17-20	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	20-30	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
Whittell	0	SPM	PT	A-8	5-44	0-24	---	---	---	---	---	---
	0-7	CBV-LCOS	SM	A-1-b	0-17	14-28	43-77	38-75	21-45	7-18	0-23	NP-2
	7-20	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS	SP-SM	A-1-b	7-27	14-27	35-83	29-82	16-50	6-20	0-19	NP-2
	20-32	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS, STX-LCOS	GP-GM	A-1-a	19-31	19-31	22-80	15-78	8-47	3-19	0-28	NP-2
	32-42	BR	---	---	---	---	---	---	---	---	---	---
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9401:												
Cassenai, moist	0-3	SPM	PT	A-8	0-78	0-86	---	---	---	---	---	---
	3-11	CB-LCOS	SM	A-1-b	0-21	0-30	69-98	57-93	21-55	7-22	0-43	NP-2
	11-20	LS, CB-LCOS	SM	A-1-b	0-18	0-26	71-98	62-89	23-53	8-21	0-27	NP-2
	20-63	LS, GR-LCOS, GR-COS	SW-SM, SM	A-1-b	0	0-14	78-96	51-88	19-45	5-15	0-18	NP-2
Toem	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
9402:												
Dagget very gravelly loamy coarse sand	0-1	SPM	PT	A-8	6-76	2-57	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Temo	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Witefels	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9402:												
Jobsis	0-1	GRV-LCOS	SM, SP-SM	A-1	5-15	5-10	65-85	40-60	25-40	5-20	---	NP
	1-5	GRV-LCOS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	5-9	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	9-12	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	12-17	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	17-20	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	20-30	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
Whittell	0	SPM	PT	A-8	5-44	0-24	---	---	---	---	---	---
	0-7	CBV-LCOS	SM	A-1-b	0-17	14-28	43-77	38-75	21-45	7-18	0-23	NP-2
	7-20	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS	SP-SM	A-1-b	7-27	14-27	35-83	29-82	16-50	6-20	0-19	NP-2
	20-32	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS, STX-LCOS	GP-GM	A-1-a	19-31	19-31	22-80	15-78	8-47	3-19	0-28	NP-2
	32-42	BR	---	---	---	---	---	---	---	---	---	---
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Cassenai, moist	0-3	SPM	PT	A-8	0-78	0-86	---	---	---	---	---	---
	3-11	CB-LCOS	SM	A-1-b	0-21	0-30	69-98	57-93	21-55	7-22	0-43	NP-2
	11-20	LS, CB-LCOS	SM	A-1-b	0-18	0-26	71-98	62-89	23-53	8-21	0-27	NP-2
	20-63	LS, GR-LCOS, GR-COS	SW-SM, SM	A-1-b	0	0-14	78-96	51-88	19-45	5-15	0-18	NP-2
Toem	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9402:												
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
9403:												
Dagget very gravelly loamy coarse sand	0-1	SPM	PT	A-8	6-76	2-57	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Temo	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Witefels	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---
Jobsis	0-1	GRV-LCOS	SM, SP-SM	A-1	5-15	5-10	65-85	40-60	25-40	5-20	---	NP
	1-5	GRV-LCOS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	5-9	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	9-12	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	12-17	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	17-20	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	20-30	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9403:												
Rock outcrop.												
Whittell	0	SPM	PT	A-8	5-44	0-24	---	---	---	---	---	---
	0-7	CBV-LCOS	SM	A-1-b	0-17	14-28	43-77	38-75	21-45	7-18	0-23	NP-2
	7-20	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS	SP-SM	A-1-b	7-27	14-27	35-83	29-82	16-50	6-20	0-19	NP-2
	20-32	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS, STX-LCOS	GP-GM	A-1-a	19-31	19-31	22-80	15-78	8-47	3-19	0-28	NP-2
	32-42	BR	---	---	---	---	---	---	---	---	---	---
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Cassenai, moist	0-3	SPM	PT	A-8	0-78	0-86	---	---	---	---	---	---
	3-11	CB-LCOS	SM	A-1-b	0-21	0-30	69-98	57-93	21-55	7-22	0-43	NP-2
	11-20	LS, CB-LCOS	SM	A-1-b	0-18	0-26	71-98	62-89	23-53	8-21	0-27	NP-2
	20-63	LS, GR-LCOS, GR-COS	SW-SM, SM	A-1-b	0	0-14	78-96	51-88	19-45	5-15	0-18	NP-2
Toem	0-1	SPM	PT	A-8	0	0	---	---	---	---	---	---
	1-10	GR-COS	SP-SM	A-1-b	0	0-10	74-100	48-80	21-44	5-13	0-30	NP-2
	10-18	GR-LCOS, GR-COS, LCOS	SP-SM	A-1-b	0	0-9	77-100	53-91	24-45	5-13	0-19	NP-2
	18-32	BR	---	---	---	---	---	---	---	---	---	---
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9404:												
Dagget, moist	0-1	SPM	PT	A-8	49-79	20-49	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Cassenai, moist	0-3	SPM	PT	A-8	0-78	0-86	---	---	---	---	---	---
	3-11	CB-LCOS	SM	A-1-b	0-21	0-30	69-98	57-93	21-55	7-22	0-43	NP-2
	11-20	LS, CB-LCOS	SM	A-1-b	0-18	0-26	71-98	62-89	23-53	8-21	0-27	NP-2
	20-63	LS, GR-LCOS, GR-COS	SW-SM, SM	A-1-b	0	0-14	78-96	51-88	19-45	5-15	0-18	NP-2
Rockbound very gravelly loam	0-6	GRV-LS	GP-GM	A-1-b	0-21	0-21	22-57	22-55	9-46	2-15	0-49	NP-7
	6-8	GRV-LS	GP-GC	A-1-b	0-18	0-18	26-61	26-60	11-50	3-17	0-33	NP-7
	8-20	BR	---	---	---	---	---	---	---	---	---	---
Jobsis	0-1	GRV-LCOS	SM, SP-SM	A-1	5-15	5-10	65-85	40-60	25-40	5-20	---	NP
	1-5	GRV-LCOS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	5-9	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	9-12	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	12-17	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	17-20	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	20-30	BR	---	---	---	---	---	---	---	---	---	---
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9404:												
Temo	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Whittell	0	SPM	PT	A-8	5-44	0-24	---	---	---	---	---	---
	0-7	CBV-LCOS	SM	A-1-b	0-17	14-28	43-77	38-75	21-45	7-18	0-23	NP-2
	7-20	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS	SP-SM	A-1-b	7-27	14-27	35-83	29-82	16-50	6-20	0-19	NP-2
	20-32	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS, STX-LCOS	GP-GM	A-1-a	19-31	19-31	22-80	15-78	8-47	3-19	0-28	NP-2
	32-42	BR	---	---	---	---	---	---	---	---	---	---
Witefels	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---
9405:												
Dagget, moist	0-1	SPM	PT	A-8	49-79	20-49	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Cassenai, moist	0-3	SPM	PT	A-8	0-78	0-86	---	---	---	---	---	---
	3-11	CB-LCOS	SM	A-1-b	0-21	0-30	69-98	57-93	21-55	7-22	0-43	NP-2
	11-20	LS, CB-LCOS	SM	A-1-b	0-18	0-26	71-98	62-89	23-53	8-21	0-27	NP-2
	20-63	LS, GR-LCOS, GR-COS	SW-SM, SM	A-1-b	0	0-14	78-96	51-88	19-45	5-15	0-18	NP-2
Rockbound very gravelly loam	0-6	GRV-LS	GP-GM	A-1-b	0-21	0-21	22-57	22-55	9-46	2-15	0-49	NP-7
	6-8	GRV-LS	GP-GC	A-1-b	0-18	0-18	26-61	26-60	11-50	3-17	0-33	NP-7
	8-20	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9405:												
Jobsis	0-1	GRV-LCOS	SM, SP-SM	A-1	5-15	5-10	65-85	40-60	25-40	5-20	---	NP
	1-5	GRV-LCOS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	5-9	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	9-12	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	12-17	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	17-20	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	20-30	BR	---	---	---	---	---	---	---	---	---	---
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
Temo	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Whittell	0	SPM	PT	A-8	5-44	0-24	---	---	---	---	---	---
	0-7	CBV-LCOS	SM	A-1-b	0-17	14-28	43-77	38-75	21-45	7-18	0-23	NP-2
	7-20	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS	SP-SM	A-1-b	7-27	14-27	35-83	29-82	16-50	6-20	0-19	NP-2
	20-32	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS, STX-LCOS	GP-GM	A-1-a	19-31	19-31	22-80	15-78	8-47	3-19	0-28	NP-2
	32-42	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9405:												
Witefels	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---
9406:												
Dagget, moist	0-1	SPM	PT	A-8	49-79	20-49	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Cassenai, moist	0-3	SPM	PT	A-8	0-78	0-86	---	---	---	---	---	---
	3-11	CB-LCOS	SM	A-1-b	0-21	0-30	69-98	57-93	21-55	7-22	0-43	NP-2
	11-20	LS, CB-LCOS	SM	A-1-b	0-18	0-26	71-98	62-89	23-53	8-21	0-27	NP-2
	20-63	LS, GR-LCOS, GR-COS	SW-SM, SM	A-1-b	0	0-14	78-96	51-88	19-45	5-15	0-18	NP-2
Rockbound very stony loam	0-2	GRV-COS	GP-GM	A-1-a	0-18	5-22	18-45	14-42	7-22	2-7	0-49	NP-2
	2-5	CBV-COS, CBX-COS	GP-GM	A-1-a	0-16	23-58	16-74	12-73	6-37	2-13	0-27	NP-2
	5-17	CBV-COS, CBX-COS	SP-SM	A-1-b	0-16	23-58	16-74	12-73	6-37	2-13	0-27	NP-2
	17-27	BR	---	---	---	---	---	---	---	---	---	---
Jobsis	0-1	GRV-LCOS	SM, SP-SM	A-1	5-15	5-10	65-85	40-60	25-40	5-20	---	NP
	1-5	GRV-LCOS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	5-9	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	9-12	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	12-17	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	17-20	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	20-30	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9406:												
Oxyaquic Cryorthents----------	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
Temo----------	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Whittell----------	0	SPM	PT	A-8	5-44	0-24	---	---	---	---	---	---
	0-7	CBV-LCOS	SM	A-1-b	0-17	14-28	43-77	38-75	21-45	7-18	0-23	NP-2
	7-20	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS	SP-SM	A-1-b	7-27	14-27	35-83	29-82	16-50	6-20	0-19	NP-2
	20-32	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS, STX-LCOS	GP-GM	A-1-a	19-31	19-31	22-80	15-78	8-47	3-19	0-28	NP-2
	32-42	BR	---	---	---	---	---	---	---	---	---	---
Witefels----------	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---
9407:												
Dagget, moist----------	0-1	SPM	PT	A-8	49-79	20-49	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop, granitic.												

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9407:												
Temo	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Witefels	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---
Whittell	0	SPM	PT	A-8	5-44	0-24	---	---	---	---	---	---
	0-7	CBV-LCOS	SM	A-1-b	0-17	14-28	43-77	38-75	21-45	7-18	0-23	NP-2
	7-20	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS	SP-SM	A-1-b	7-27	14-27	35-83	29-82	16-50	6-20	0-19	NP-2
	20-32	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS, STX-LCOS	GP-GM	A-1-a	19-31	19-31	22-80	15-78	8-47	3-19	0-28	NP-2
	32-42	BR	---	---	---	---	---	---	---	---	---	---
Cassenai, moist	0-3	SPM	PT	A-8	0-78	0-86	---	---	---	---	---	---
	3-11	CB-LCOS	SM	A-1-b	0-21	0-30	69-98	57-93	21-55	7-22	0-43	NP-2
	11-20	LS, CB-LCOS	SM	A-1-b	0-18	0-26	71-98	62-89	23-53	8-21	0-27	NP-2
	20-63	LS, GR-LCOS, GR-COS	SW-SM, SM	A-1-b	0	0-14	78-96	51-88	19-45	5-15	0-18	NP-2
Jobsis	0-1	GRV-LCOS	SM, SP-SM	A-1	5-15	5-10	65-85	40-60	25-40	5-20	---	NP
	1-5	GRV-LCOS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	5-9	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	9-12	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	12-17	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	17-20	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	20-30	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9407:												
Oxyaquic Cryorthents----------	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9
9411:												
Freelpeak----------	0-2	GR	SP	A-1-a	0-15	20-40	55-65	0-10	0-5	0	0-0	NP
	2-4	GRX-COS, GRV-S, GRX-LCOS	SP, GP-GM	A-1-a	0-35	5-35	50-60	10-35	5-30	0-10	0-14	NP
	4-8	GRV-S, GRV-LCOS, GRX-COS	SP-SM, SW-SM	A-1-b	0	5-30	45-75	25-55	15-45	5-20	0-14	NP
	8-36	CBV-LFS, GRV-S, GRV-COS, CBV-LCOS	SM	A-1	10-30	25-35	55-75	40-55	25-40	10-25	0-14	NP
	36-46	BR	---	---	---	---	---	---	---	---	---	---
Windyridge----------	0-2	GRV-LCOS	SP-SM, SM	A-1	5-10	5-10	55-75	35-55	25-40	5-20	---	NP
	2-10	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	50-75	25-50	15-30	5-15	---	NP
	10-20	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
Jobsis----------	0-5	GRV-LCOS	SM, SP-SM	A-1	5-15	5-10	65-85	40-60	25-40	5-20	---	NP
	5-9	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	9-17	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	17-20	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	20-30	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9411:												
Whittell	0	SPM			0	0	---	---	---	---	---	---
	0-7	CBV-LCOS	SM	A-1-b	15-30	20-40	70-90	55-75	35-55	10-30	0-23	NP-2
	7-20	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS	SP-SM	A-1-a	15-35	15-30	50-85	35-70	20-50	5-20	0-19	NP-2
	20-32	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS, STX-LCOS	GP-GM	A-1-a	15-40	15-35	45-80	30-65	15-45	5-20	0-28	NP-2
	32-42	BR	---	---	---	---	---	---	---	---	---	---
Waterpeak	0-5	BYV-COS	SM, SP-SM	A-1	20-35	10-20	70-85	55-70	30-50	5-15	0-14	NP
	5-18	STV-COS	SP-SM, SM	A-1	25-40	5-15	65-85	50-70	30-50	5-15	0-14	NP
	18-27	STV-LCOS	SP-SM, SM	A-1	25-40	8-18	70-85	55-70	30-50	5-15	0-14	NP
	27-60	STV-SL, STV-COSL	SM	A-1, A-2	25-40	8-25	70-85	55-70	35-50	15-30	20-25	NP-5
Buggin	0-2	BYX-LCOS	SP-SM	A-1	25-50	5-10	50-70	15-35	5-15	0-10	---	NP
	2-7	GRV-LCOS, GRX-LCOS	SM, SP-SM	A-1	0-25	0-15	70-90	20-50	10-30	5-15	---	NP
	7-10	GRV-LCOS, GRX-COSL	SM, SP-SM	A-1	0-15	0-25	60-85	20-45	10-30	5-15	---	NP
	10-16	BR	---	---	---	---	---	---	---	---	---	---
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Glaciers.												
9421:												
Jobsis	0-5	GRV-LCOS	SM, SP-SM	A-1	5-15	5-10	65-85	40-60	25-40	5-20	---	NP
	5-9	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	9-17	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	17-20	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	20-30	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9421:												
Whittell	0	SPM			0	0	---	---	---	---	---	---
	0-7	CBV-LCOS	SM	A-1-b	15-30	20-40	70-90	55-75	35-55	10-30	0-23	NP-2
	7-20	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS	SP-SM	A-1-a	15-35	15-30	50-85	35-70	20-50	5-20	0-19	NP-2
	20-32	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS, STX-LCOS	GP-GM	A-1-a	15-40	15-35	45-80	30-65	15-45	5-20	0-28	NP-2
	32-42	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
Typic Cryorthents, 8 to 30 percent slopes	0-1	BYV-LCOS	SM, SP-SM	A-1	25-50	5-10	65-85	50-75	25-40	5-20	---	NP
	1-5	GRV-LCOS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	5-9	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	9-12	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	12-17	GRV-LCOS, GRV-COS	SW-SM, SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	17-40	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	40-50	BR	---	---	---	---	---	---	---	---	---	---
Windyridge	0-2	GRV-LCOS	SM, SP-SM	A-1	5-10	5-10	55-75	35-55	25-40	5-20	---	NP
	2-10	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	50-75	25-50	15-30	5-15	---	NP
	10-20	BR	---	---	---	---	---	---	---	---	---	---
Klauspeak	0-5	GR-LS	SM, SP-SM	A-1	3-15	0-15	80-90	60-70	40-50	5-15	0-14	NP
	5-16	GR-LS	SP-SM	A-1	0-15	0-15	70-80	50-60	30-40	5-10	0-14	NP
	16-22	STV-LS, STV-LCOS	SM, SP-SM	A-1	20-30	15-20	75-85	55-70	40-50	5-15	0-14	NP
	22-40	STV-LCOS, STV-LS	SM, SP-SM	A-1	15-30	15-20	75-85	55-70	40-50	5-15	0-14	NP
	40-60	CBV-COS, STV-LCOS	SM, SP-SM	A-1	10-40	20-40	60-75	40-55	10-30	5-15	0-14	NP
Shalgran	0-3	BYV-COS	SM, SP-SM	A-1	25-50	5-10	65-85	30-55	20-35	5-20	---	NP
	3-14	BYV-COS, BYV-LCOS	SM, SP-SM	A-1	30-55	5-15	80-90	40-55	15-30	5-15	0-14	NP
	14-24	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9421:												
Buggin	0-2	BYX-LCOS	SP-SM	A-1	25-50	5-10	50-70	15-35	5-15	0-10	---	NP
	2-7	GRV-LCOS, GRX-LCOS	SM, SP-SM	A-1	0-25	0-15	70-90	20-50	10-30	5-15	---	NP
	7-10	GRV-LCOS, GRX-COSL	SM, SP-SM	A-1	0-15	0-25	60-85	20-45	10-30	5-15	---	NP
	10-16	BR	---	---	---	---	---	---	---	---	---	---
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Typic Cryorthents, 4 to 30 percent slopes	0-1	BYV-LCOS	SM, SP-SM	A-1	25-50	5-10	65-85	50-75	25-40	5-20	---	NP
	1-5	GRV-LCOS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	5-9	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	9-12	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	12-17	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	17-20	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	20-30	BR	---	---	---	---	---	---	---	---	---	---
Waterpeak	0-5	BYV-COS	SM, SP-SM	A-1	20-35	10-20	70-85	55-70	30-50	5-15	0-14	NP
	5-18	STV-COS	SP-SM, SM	A-1	25-40	5-15	65-85	50-70	30-50	5-15	0-14	NP
	18-27	STV-LCOS	SP-SM, SM	A-1	25-40	8-18	70-85	55-70	30-50	5-15	0-14	NP
	27-60	STV-SL, STV-COSL	SM	A-1, A-2	25-40	8-25	70-85	55-70	35-50	15-30	20-25	NP-5
9431:												
Sofgran	0-3	GR-LCOS	SM, SP-SM	A-1	5-25	0-10	80-90	60-70	40-50	5-15	0-14	NP
	3-6	GR-LCOS	SP-SM	A-1	0-10	0-10	70-80	50-60	30-40	5-10	0-14	NP
	6-9	GRV-LCOS, GRV-COS, GR-LCOS	SM, SP-SM	A-1	0-10	0-10	70-85	40-60	10-30	5-15	---	NP
	9-19	GR-LCOS, GRV-COS, GRV-LCOS	SM, SP-SM	A-1	0-10	0-10	70-85	25-45	10-20	5-15	---	NP
	19-27	GRV-COS, GRV-LCOS, GR-LCOS	SM, SP-SM	A-1	0-10	0-10	70-85	40-60	10-30	5-15	---	NP
	27-45	GRX-LCOS, GRV-LCOS	SM, SW-SM	A-1	0-10	10-40	55-75	10-35	10-25	5-15	---	NP
	45-60	GRV-LCOS, GRX-LCOS	SM, SW-SM	A-1	0-10	10-30	50-75	25-50	15-30	5-15	---	NP

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9431:												
Klauspeak	0-5	GR-LS	SM, SP-SM	A-1	3-15	0-5	80-90	60-70	40-50	5-15	0-14	NP
	5-16	GR-LS	SP-SM	A-1	0-15	0-15	70-80	50-60	30-40	5-10	0-14	NP
	16-22	STV-LS, STV-LCOS	SM, SP-SM	A-1	20-30	15-20	75-85	55-70	40-50	5-15	0-14	NP
	22-40	STV-LCOS, STV-LS	SM, SP-SM	A-1	15-30	15-20	75-85	55-70	40-50	5-15	0-14	NP
	40-60	CBV-COS, STV-LCOS	SM, SP-SM	A-1	10-40	20-40	60-75	40-55	10-30	5-15	0-14	NP
Temo	0-10	GRV-LCOS	SM, SP-SM	A-1	5-15	5-10	65-85	35-55	25-40	5-20	---	NP
	10-16	GR-LCOS, COS, GR-COS	SM, SP-SM	A-1	0	0-8	70-100	50-80	20-45	5-15	---	NP
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
Shalgran	0-3	BYV-COS	SM, SP-SM	A-1	25-50	5-10	65-85	30-55	20-35	5-20	---	NP
	3-14	BYV-COS, BYV-LCOS	SM, SP-SM	A-1	30-55	5-15	80-90	40-55	15-30	5-15	0-14	NP
	14-24	BR	---	---	---	---	---	---	---	---	---	---
Xeric Humicryepts	0-5	BY-LS	SM, SP-SM	A-1	5-25	0-15	80-90	60-70	40-50	5-15	0-14	NP
	5-16	GR-LS	SP-SM	A-1	0-10	0-15	70-80	50-60	30-40	5-10	0-14	NP
	16-22	ST-LS, ST-LCOS	SM, SP-SM	A-1	5-25	0-15	80-90	60-70	40-50	5-15	0-14	NP
	22-40	ST-LCOS, ST-LS	SM, SP-SM	A-1	5-25	0-15	80-90	60-70	40-50	5-15	0-14	NP
	40-63	CB-COS, ST-LCOS	SM, SP-SM	A-1	10-40	10-40	80-90	40-55	10-30	5-15	0-14	NP
Stumpatil	0-6	GRV-COSL	SM, GM	A-1	5-15	0-10	55-65	40-50	20-30	10-20	20-25	NP-5
	6-11	GRV-COSL	GM	A-1, A-2	0-15	0-18	50-65	35-50	20-35	15-30	10-25	NP-5
	11-26	GRV-COSL, GRV-SL	GM	A-1, A-2	0-15	0-25	50-65	35-50	20-35	15-30	10-25	NP-5
	26-33	GRV-COSL, GRV-SL	GM	A-1, A-2	0-15	0-25	50-65	35-50	20-35	15-30	20-25	NP-5
	33-60	GRV-COSL, GRV-SL	GM	A-1, A-2	0-15	0-25	50-65	35-50	20-35	15-30	20-25	NP-5
Aquic Haplocryolls	0-12	BYV-SL	SM	A-1	10-40	10-25	70-85	35-60	20-30	10-20	20-25	NP-5
	12-30	GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	30-39	GRV-SL, GRX-COSL	GW-GM	A-1	0-10	5-20	30-45	10-35	5-25	0-20	20-30	NP-5
	39-60	GRV-LCOS, GRX-LS	SM, SP-SM	A-1	0-15	0-15	55-75	20-40	10-25	5-15	---	NP

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9431:												
Hopeval	0-2	VFSL	ML	A-4	0	0	85-100	75-100	65-95	60-75	20-25	NP-5
	2-12	L	CL	A-4	0	0	85-100	75-100	65-95	60-75	20-30	5-10
	12-15	L	CL	A-4	0	0	85-100	75-100	65-95	60-75	20-30	5-10
	15-26	SR- FS SL	SM	A-2	0	0	85-100	75-100	55-60	25-35	15-25	NP-5
	26-33	SR- GR-COS FSL	SM	A-2	0	0	80-100	70-100	55-60	25-35	15-25	NP-5
	33-60	SR- GRV-COS L	SM	A-1	0	0	50-70	25-50	10-35	5-20	15-25	NP-5
9441:												
Temo	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Witefels	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
Dagget very gravelly loamy coarse sand	0-1	SPM	PT	A-8	6-76	2-57	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9442:												
Temo	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Witefels	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
Dagget very gravelly loamy coarse sand	0-1	SPM	PT	A-8	6-76	2-57	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9443:												
Temo	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Witefels	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
Dagget very gravelly loamy coarse sand	0-1	SPM	PT	A-8	6-76	2-57	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9444:												
Temo	0-10	GR-COS	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-34	NP-2
	10-16	GR-COS, GR-COSL	SP-SM	A-1-b	0-15	0-7	73-93	56-78	12-38	3-11	0-21	NP-2
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Witefels	0-1	SPM	PT	A-8	0-96	0-91	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-34	NP-2
	9-14	GR-COS, GR-LCOS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-25	NP-2
	14-36	GR-LCOS, GR-COS	SM	A-1-b	0-15	0-7	73-92	54-77	14-48	6-22	0-18	NP-2
	36-39	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
Dagget very gravelly loamy coarse sand	0-1	SPM	PT	A-8	6-76	2-57	---	---	---	---	---	---
	1-9	GRV-LCOS	GM	A-1-a	10-32	5-16	33-69	30-64	17-41	7-19	0-34	NP-2
	9-49	GRV-COS, GRV-LCOS	GP-GM	A-1-a	9-30	4-15	34-70	31-65	18-42	8-19	0-23	NP-2
	49-59	BR	---	---	---	---	---	---	---	---	---	---
Cagwin	0-1	SPM	PT	A-8	10-80	5-75	---	---	---	---	---	---
	1-9	GR-LCOS	SM	A-1-b	0	0	76-95	44-79	25-57	10-28	0-39	NP-4
	9-13	GR-LCOS, GR-COS	SM	A-1-b	0	0	77-96	48-82	27-58	11-28	0-26	NP-4
	13-27	GR-COS, GR-LCOS	SW-SM	A-1-b	0	0	79-96	50-83	19-47	5-16	0-22	NP-4
	27-37	BR	---	---	---	---	---	---	---	---	---	---
Oxyaquic Cryorthents	0	MPM	PT	A-8	0	0	---	---	---	---	---	---
	0-2	GR-LCOS	SM	A-1-b	0	0	52-78	47-72	16-47	5-23	0-51	NP-9
	2-5	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	52-81	31-75	16-49	5-24	0-51	NP-9
	5-9	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	18-56	6-27	0-31	NP-9
	9-20	GR-LCOS, GRV-LCOS	SM	A-1-b	0	0	56-92	37-85	19-57	6-27	0-28	NP-9
	20-32	GRV-LCOS, GR-LCOS	SP-SM	A-1-b	0	0	33-78	29-73	9-49	3-23	0-28	NP-9
	32-52	GRV-COS, GR-COS	GP-GM	A-1-a	0	0	34-79	31-75	8-46	2-20	0-26	NP-9
	52-80	COS	SM	A-1-b	0	0	93-100	80-96	35-60	11-29	0-26	NP-9
	80-112	COS	SM	A-1-b	0	0	93-100	80-96	35-61	12-30	0-26	NP-9

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9451:												
Waterpeak	0-5	BYV-COS	SM, SP-SM	A-1	20-35	10-20	70-85	55-70	30-50	5-15	0-14	NP
	5-18	STV-COS	SP-SM, SM	A-1	25-40	5-15	65-85	50-70	30-50	5-15	0-14	NP
	18-27	STV-LCOS	SP-SM, SM	A-1	25-40	8-18	70-85	55-70	30-50	5-15	0-14	NP
	27-60	STV-SL, STV-COSL	SM	A-1, A-2	25-40	8-25	70-85	55-70	35-50	15-30	20-25	NP-5
Rock outcrop.												
Shalgran	0-3	BYV-COS	SM, SP-SM	A-1	25-50	5-10	65-85	30-55	20-35	5-20	---	NP
	3-14	BYV-COS, BYV-LCOS	SM, SP-SM	A-1	30-55	5-15	80-90	40-55	15-30	5-15	0-14	NP
	14-24	BR	---	---	---	---	---	---	---	---	---	---
Typic Cryorthents	0-1	BYV-LCOS	SM, SP-SM	A-1	25-50	5-10	65-85	50-75	25-40	5-20	---	NP
	1-5	GRV-LCOS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	5-9	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	9-12	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	12-17	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	17-40	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	40-50	BR	---	---	---	---	---	---	---	---	---	---
Pachic Haplocryolls	0-5	BYV-COS	SM, SP-SM	A-1	5-25	0-15	80-90	50-70	30-50	5-15	0-14	NP
	5-18	STV-COS	SP-SM, SM	A-1	5-25	0-15	80-90	50-70	30-50	5-15	0-14	NP
	18-27	STV-LCOS	SP-SM, SM	A-1	5-25	0-15	80-90	50-70	30-50	5-15	0-14	NP
	27-60	STV-SL, STV-COSL	SM	A-1, A-2	5-25	0-15	80-90	50-70	35-50	15-30	20-25	NP-5
9461:												
Whittell	0	SPM			0	0	---	---	---	---	---	---
	0-7	CBV-LCOS	SM	A-1-b	15-30	20-40	70-90	55-75	35-55	10-30	0-23	NP-2
	7-20	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS	SP-SM	A-1-a	15-35	15-30	50-85	35-70	20-50	5-20	0-19	NP-2
	20-32	GRV-COS, CBV-LCOS, STV-LCOS, GRV-LCOS, STX-LCOS	GP-GM	A-1-a	15-40	15-35	45-80	30-65	15-45	5-20	0-28	NP-2
	32-42	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9461:												
Jobsis	0-5	GRV-LCOS	SM, SP-SM	A-1	5-15	5-10	65-85	40-60	25-40	5-20	---	NP
	5-9	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	9-17	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	17-20	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	20-30	BR	---	---	---	---	---	---	---	---	---	---
Rock outcrop.												
Jobsis, 8 to 30 percent slopes	0-5	GRV-LCOS	SM, SP-SM	A-1	5-15	5-10	65-85	40-60	25-40	5-20	---	NP
	5-9	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	9-17	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	17-20	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	20-30	BR	---	---	---	---	---	---	---	---	---	---
Windyridge	0-2	GRV-LCOS	SM, SP-SM	A-1	5-10	5-10	55-75	35-55	25-40	5-20	---	NP
	2-10	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	50-75	25-50	15-30	5-15	---	NP
	10-20	BR	---	---	---	---	---	---	---	---	---	---
Klauspeak	0-5	GR-LS	SM, SP-SM	A-1	3-15	0-15	80-90	60-70	40-50	5-15	0-14	NP
	5-16	GR-LS	SP-SM	A-1	0-15	0-15	70-80	50-60	30-40	5-10	0-14	NP
	16-22	STV-LS, STV-LCOS	SM, SP-SM	A-1	20-30	15-20	75-85	55-70	40-50	5-15	0-14	NP
	22-40	STV-LCOS, STV-LS	SM, SP-SM	A-1	15-30	15-20	75-85	55-70	40-50	5-15	0-14	NP
	40-60	CBV-COS, STV-LCOS	SM, SP-SM	A-1	10-40	20-40	60-75	40-55	10-30	5-15	0-14	NP
Shalgran	0-3	BYV-COS	SM, SP-SM	A-1	25-50	5-10	65-85	30-55	20-35	5-20	---	NP
	3-14	BYV-COS, BYV-LCOS	SM, SP-SM	A-1	30-55	5-15	80-90	40-55	15-30	5-15	0-14	NP
	14-24	BR	---	---	---	---	---	---	---	---	---	---

Table 20.--Engineering Index Properties--Continued

Map symbol and component name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
9461:												
Buggin	0-2	BYX-LCOS	SP-SM	A-1	25-50	5-10	50-70	15-35	5-15	0-10	---	NP
	2-7	GRV-LCOS, GRX-LCOS	SM, SP-SM	A-1	0-25	0-15	70-90	20-50	10-30	5-15	---	NP
	7-10	GRV-LCOS, GRX-COSL	SM, SP-SM	A-1	0-15	0-25	60-85	20-45	10-30	5-15	---	NP
	10-16	BR	---	---	---	---	---	---	---	---	---	---
	16-26	BR	---	---	---	---	---	---	---	---	---	---
Typic Cryorthents	0-1	BYV-LCOS	SM, SP-SM	A-1	25-50	5-10	65-85	50-75	25-40	5-20	---	NP
	1-5	GRV-LCOS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	5-9	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	9-12	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	12-17	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	17-20	GRV-LCOS, GRV-COS	SM, SW-SM	A-1	0-10	0-10	55-75	25-50	15-30	5-15	---	NP
	20-30	BR	---	---	---	---	---	---	---	---	---	---
Waterpeak	0-5	BYV-COS	SM, SP-SM	A-1	20-35	10-20	70-85	55-70	30-50	5-15	0-14	NP
	5-18	STV-COS	SP-SM, SM	A-1	25-40	5-15	65-85	50-70	30-50	5-15	0-14	NP
	18-27	STV-LCOS	SP-SM, SM	A-1	25-40	8-18	70-85	55-70	30-50	5-15	0-14	NP
	27-60	STV-SL, STV-COSL	SM	A-1, A-2	25-40	8-25	70-85	55-70	35-50	15-30	20-25	NP-5
W.												
Water												

Table 21.--Physical Properties of the Soils

(See text for definitions of terms used in this table. Absence of an entry indicates that data were not estimated)

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7011:							
Beaches	0-79	0	1.70-1.80	100.00-200.00	0.02-0.04	0.0	0.0-1.0
Oxyaquic Xeropsamments	0-6	2-7	1.35-1.50	42.00-141.00	0.05-0.07	0.0-2.9	1.5-7.0
	6-75	2-7	1.40-1.55	141.00-212.00	0.04-0.08	0.0-2.9	0.0-0.5
Watah	0-3	0	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-8	0	0.10-0.20	100.00-200.00	0.45-0.55	---	70-90
	8-15	0-8	1.50-1.60	10.00-100.00	0.09-0.11	0.5-2.0	10-21
	15-63	0-8	1.60-1.70	10.00-100.00	0.02-0.03	0.0-1.0	0.0-2.0
Gefo, barrier beach	0-15	2-7	1.35-1.50	42.00-141.00	0.05-0.07	0.0-2.9	1.5-7.0
	15-75	2-7	1.40-1.55	141.00-212.00	0.04-0.08	0.0-2.9	0.0-0.5
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Dunes.							
Jorge very gravelly sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-24	8-15	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	24-32	9-18	0.88-1.08	14.00-42.00	0.09-0.11	1.0-1.2	1.0-4.0
	32-48	15-24	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	48-84	15-24	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Rock outcrop.							
Tahoe silt loam	0-3	---	0.10-0.20	100.00-300.00	---	---	---
	3-11	5-25	0.70-1.05	1.00-10.00	0.19-0.24	0.0-2.9	10-20
	11-15	5-25	0.70-1.05	1.00-10.00	0.17-0.22	0.0-2.9	10-20
	15-20	0-3	1.05-1.35	10.00-100.00	0.02-0.04	0.0-2.9	5.0-10
	20-30	5-25	0.80-1.10	1.00-10.00	0.20-0.22	0.0-2.9	8.0-20
	30-49	0-15	1.40-1.80	10.00-100.00	0.14-0.19	0.0-2.9	0.2-1.5
	49-59	0-8	1.40-1.80	10.00-100.00	0.08-0.10	0.0-2.9	0.5-1.5
Tahoma	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	7-20	0.80-1.00	10.00-100.00	0.07-0.09	0.5-1.0	5.0-10
	14-22	7-20	0.80-1.00	10.00-100.00	0.07-0.08	0.5-1.0	2.0-7.0
	22-38	9-27	0.90-1.10	10.00-100.00	0.13-0.16	0.5-2.0	1.5-5.0
	38-59	27-40	1.10-1.30	1.00-10.00	0.12-0.15	1.0-3.0	0.5-3.0
	59-71	27-40	1.10-1.30	1.00-10.00	0.14-0.18	1.0-3.0	0.5-2.0
	71-81	---	---	0.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7011:							
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
7021:							
Hellhole	0-11	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	11-59	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	59-118	---	0.10-0.20	42.00-141.00	0.45-0.55	---	70-90
Bidart, wet	0-3	---	0.40-0.70	100.00-300.00	---	---	---
	3-9	1-15	0.70-1.00	10.00-100.00	0.19-0.24	0.0-1.0	10-20
	9-16	0-15	0.95-1.50	10.00-100.00	0.17-0.22	0.0-0.5	1.0-10
	16-17	0-3	1.50-1.85	10.00-100.00	0.00-0.03	0.0-0.1	0.0-2.0
	17-39	1-15	0.95-1.60	10.00-100.00	0.14-0.19	0.0-0.5	1.0-10
	39-59	0-15	0.95-1.60	10.00-100.00	0.09-0.13	0.0-0.5	1.0-10
Watah	0-3	0	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-8	0	0.10-0.20	100.00-200.00	0.45-0.55	---	70-90
	8-15	0-8	1.50-1.60	10.00-100.00	0.09-0.11	0.5-2.0	10-21
	15-63	0-8	1.60-1.70	10.00-100.00	0.02-0.03	0.0-1.0	0.0-2.0
Water.							
7031:							
Pits.							
Dumps.							
Arents.							
Xerorthents.							
7041:							
Tahoe silt loam	0-3	---	0.10-0.20	100.00-300.00	---	---	---
	3-11	5-25	0.70-1.05	1.00-10.00	0.19-0.24	0.0-2.9	10-20
	11-15	5-25	0.70-1.05	1.00-10.00	0.17-0.22	0.0-2.9	10-20
	15-20	0-3	1.05-1.35	10.00-100.00	0.02-0.04	0.0-2.9	5.0-10
	20-30	5-25	0.80-1.10	1.00-10.00	0.20-0.22	0.0-2.9	8.0-20
	30-49	0-15	1.40-1.80	10.00-100.00	0.14-0.19	0.0-2.9	0.2-1.5
	49-59	0-8	1.40-1.80	10.00-100.00	0.08-0.10	0.0-2.9	0.5-1.5
Tahoe silt loam, wet	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
Watah	0-3	0	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-8	0	0.10-0.20	100.00-200.00	0.45-0.55	---	70-90
	8-15	0-8	1.50-1.60	10.00-100.00	0.09-0.11	0.5-2.0	10-21
	15-63	0-8	1.60-1.70	10.00-100.00	0.02-0.03	0.0-1.0	0.0-2.0

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7042:							
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
Tahoe, gravelly, wet	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
Riverwash.							
Tahoe silt loam	0-3	---	0.10-0.20	100.00-300.00	---	---	---
	3-11	5-25	0.70-1.05	1.00-10.00	0.19-0.24	0.0-2.9	10-20
	11-15	5-25	0.70-1.05	1.00-10.00	0.17-0.22	0.0-2.9	10-20
	15-20	0-3	1.05-1.35	10.00-100.00	0.02-0.04	0.0-2.9	5.0-10
	20-30	5-25	0.80-1.10	1.00-10.00	0.20-0.22	0.0-2.9	8.0-20
	30-49	0-15	1.40-1.80	10.00-100.00	0.14-0.19	0.0-2.9	0.2-1.5
	49-59	0-8	1.40-1.80	10.00-100.00	0.08-0.10	0.0-2.9	0.5-1.5
Watah	0-3	0	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-8	0	0.10-0.20	100.00-200.00	0.45-0.55	---	70-90
	8-15	0-8	1.50-1.60	10.00-100.00	0.09-0.11	0.5-2.0	10-21
	15-63	0-8	1.60-1.70	10.00-100.00	0.02-0.03	0.0-1.0	0.0-2.0
7043:							
Tahoe, drained	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
Tahoe silt loam, wet	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
Watah	0-3	0	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-8	0	0.10-0.20	100.00-200.00	0.45-0.55	---	70-90
	8-15	0-8	1.50-1.60	10.00-100.00	0.09-0.11	0.5-2.0	10-21
	15-63	0-8	1.60-1.70	10.00-100.00	0.02-0.03	0.0-1.0	0.0-2.0

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7051:							
Oxyaquic Xerorthents---------	0-36	2-5	1.60-1.70	1.00-10.00	0.01-0.06	0.0-2.9	0.0-2.0
	36-44	5-25	0.70-1.05	1.00-10.00	0.19-0.24	0.0-2.9	10-20
	44-48	5-25	0.70-1.05	1.00-10.00	0.17-0.22	0.0-2.9	10-20
	48-53	0-3	1.05-1.35	10.00-100.00	0.02-0.04	0.0-2.9	5.0-10
	53-63	5-25	0.80-1.10	1.00-10.00	0.20-0.22	0.0-2.9	8.0-20
Water.							
Marla------------------------	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
Watah------------------------	0-3	0	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-8	0	0.10-0.20	100.00-200.00	0.45-0.55	---	70-90
	8-15	0-8	1.50-1.60	10.00-100.00	0.09-0.11	0.5-2.0	10-21
	15-63	0-8	1.60-1.70	10.00-100.00	0.02-0.03	0.0-1.0	0.0-2.0
7061.							
Urban land							
7071:							
Watah------------------------	0-3	0	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-8	0	0.10-0.20	100.00-200.00	0.45-0.55	---	70-90
	8-15	0-8	1.50-1.60	10.00-100.00	0.09-0.11	0.5-2.0	10-21
	15-63	0-8	1.60-1.70	10.00-100.00	0.02-0.03	0.0-1.0	0.0-2.0
Tahoe, gravelly, wet---------	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
Tahoe silt loam, wet---------	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
Marla------------------------	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
Bidart, wet------------------	0-3	---	0.40-0.70	100.00-300.00	---	---	---
	3-9	1-15	0.70-1.00	10.00-100.00	0.19-0.24	0.0-1.0	10-20
	9-16	0-15	0.95-1.50	10.00-100.00	0.17-0.22	0.0-0.5	1.0-10
	16-17	0-3	1.50-1.85	10.00-100.00	0.00-0.03	0.0-0.1	0.0-2.0
	17-39	1-15	0.95-1.60	10.00-100.00	0.14-0.19	0.0-0.5	1.0-10
	39-59	0-15	0.95-1.60	10.00-100.00	0.09-0.13	0.0-0.5	1.0-10
Water.							
Hellhole---------------------	0-11	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	11-59	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	59-118	---	0.10-0.20	42.00-141.00	0.45-0.55	---	70-90

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7101:							
Caverock	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	5-18	1.05-1.50	1.00-10.00	0.11-0.14	0.7-2.3	2.0-8.0
	4-11	5-18	1.30-1.60	1.00-10.00	0.11-0.14	0.7-2.3	1.0-3.0
	11-19	5-18	1.35-1.65	1.00-10.00	0.07-0.13	0.6-1.2	0.5-2.0
	19-26	5-18	1.40-1.65	1.00-10.00	0.10-0.13	0.6-1.9	0.2-1.0
	26-36	---	---	0.10-1.00	---	---	0.0-0.0
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Deerhill	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	4-10	1.50-1.60	10.00-100.00	0.14-0.16	0.0-1.0	3.0-8.0
	1-9	4-10	1.50-1.60	10.00-100.00	0.14-0.16	0.0-1.0	3.0-8.0
	9-35	7-13	1.50-1.60	1.00-10.00	0.14-0.15	0.0-1.0	1.0-3.0
	35-51	15-27	1.45-1.55	1.00-10.00	0.15-0.17	0.5-2.0	0.5-2.0
	51-65	15-27	1.45-1.55	1.00-10.00	0.15-0.17	0.5-2.0	0.5-2.0
Genoapeak	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	1-5	1.50-1.60	10.00-100.00	0.07-0.08	0.0-0.5	3.0-8.0
	4-7	3-10	1.55-1.60	10.00-100.00	0.04-0.05	0.0-0.5	1.0-3.0
	7-16	0-1	1.50-1.60	100.00-200.00	0.01-0.01	0.0-0.5	0.0-0.2
	16-60	0	1.50-1.60	100.00-200.00	0.01-0.01	0.0-0.5	0.0-0.2
Southcamp	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	7-20	1.50-1.60	10.00-100.00	0.10-0.12	0.5-1.5	4.0-10
	4-15	10-27	1.45-1.55	10.00-100.00	0.05-0.06	1.0-2.5	0.2-1.0
	15-34	27-35	1.40-1.50	1.00-10.00	0.02-0.02	1.5-5.0	0.5-2.0
	34-53	27-35	1.40-1.50	1.00-10.00	0.02-0.02	2.0-6.0	0.2-1.0
	53-60	27-35	1.40-1.50	1.00-10.00	0.02-0.02	2.0-6.0	0.2-1.0
Zephyrcove	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	---	0.10-0.20	100.00-200.00	0.45-0.55	---	70-90
	4-7	1-6	1.50-1.60	10.00-100.00	0.11-0.13	0.1-0.5	5.0-10
	7-16	2-10	1.50-1.60	10.00-100.00	0.10-0.12	0.2-1.0	1.0-3.0
	16-35	13-30	1.45-1.50	1.00-10.00	0.12-0.15	0.5-4.2	0.2-1.0
	35-44	---	---	0.00-0.01	---	---	---
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7111:							
Deerhill	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	4-10	1.50-1.60	10.00-100.00	0.14-0.16	0.0-1.0	3.0-8.0
	1-9	4-10	1.50-1.60	10.00-100.00	0.14-0.16	0.0-1.0	3.0-8.0
	9-35	7-13	1.50-1.60	1.00-10.00	0.14-0.15	0.0-1.0	1.0-3.0
	35-51	15-27	1.45-1.55	1.00-10.00	0.15-0.17	0.5-2.0	0.5-2.0
	51-65	15-27	1.45-1.55	1.00-10.00	0.15-0.17	0.5-2.0	0.5-2.0
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Shakespeare	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	12-27	1.00-1.35	1.00-10.00	0.10-0.16	0.9-1.9	3.0-8.0
	2-5	12-27	1.05-1.30	1.00-10.00	0.10-0.16	0.8-1.0	3.0-8.0
	5-34	25-35	1.35-1.65	1.00-10.00	0.07-0.12	2.2-3.3	0.5-1.5
	34-61	27-40	1.40-1.70	0.10-1.00	0.10-0.15	3.9-5.5	0.0-1.0
Southcamp	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	7-20	1.50-1.60	10.00-100.00	0.10-0.12	0.5-1.5	4.0-10
	4-15	10-27	1.45-1.55	10.00-100.00	0.05-0.06	1.0-2.5	0.2-1.0
	15-34	27-35	1.40-1.50	1.00-10.00	0.02-0.02	1.5-5.0	0.5-2.0
	34-53	27-35	1.40-1.50	1.00-10.00	0.02-0.02	2.0-6.0	0.2-1.0
	53-60	27-35	1.40-1.50	1.00-10.00	0.02-0.02	2.0-6.0	0.2-1.0
Zephyrcove	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	---	0.10-0.20	100.00-200.00	0.45-0.55	---	70-90
	4-7	1-6	1.50-1.60	10.00-100.00	0.11-0.13	0.1-0.5	5.0-10
	7-16	2-10	1.50-1.60	10.00-100.00	0.10-0.12	0.2-1.0	1.0-3.0
	16-35	13-30	1.45-1.50	1.00-10.00	0.12-0.15	0.5-4.2	0.2-1.0
	35-44	---	---	0.00-0.01	---	---	---
Genoapeak	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	1-5	1.50-1.60	10.00-100.00	0.07-0.08	0.0-0.5	3.0-8.0
	4-7	3-10	1.55-1.60	10.00-100.00	0.04-0.05	0.0-0.5	1.0-3.0
	7-16	0-1	1.50-1.60	100.00-200.00	0.01-0.01	0.0-0.5	0.0-0.2
	16-60	0	1.50-1.60	100.00-200.00	0.01-0.01	0.0-0.5	0.0-0.2
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7112:							
Deerhill	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	4-10	1.50-1.60	10.00-100.00	0.14-0.16	0.0-1.0	3.0-8.0
	1-9	4-10	1.50-1.60	10.00-100.00	0.14-0.16	0.0-1.0	3.0-8.0
	9-35	7-13	1.50-1.60	1.00-10.00	0.14-0.15	0.0-1.0	1.0-3.0
	35-51	15-27	1.45-1.55	1.00-10.00	0.15-0.17	0.5-2.0	0.5-2.0
	51-65	15-27	1.45-1.55	1.00-10.00	0.15-0.17	0.5-2.0	0.5-2.0
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Shakespeare	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	12-27	1.00-1.35	1.00-10.00	0.10-0.16	0.9-1.9	3.0-8.0
	2-5	12-27	1.05-1.30	1.00-10.00	0.10-0.16	0.8-1.0	3.0-8.0
	5-34	25-35	1.35-1.65	1.00-10.00	0.07-0.12	2.2-3.3	0.5-1.5
	34-61	27-40	1.40-1.70	0.10-1.00	0.10-0.15	3.9-5.5	0.0-1.0
Southcamp	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	7-20	1.50-1.60	10.00-100.00	0.10-0.12	0.5-1.5	4.0-10
	4-15	10-27	1.45-1.55	10.00-100.00	0.05-0.06	1.0-2.5	0.2-1.0
	15-34	27-35	1.40-1.50	1.00-10.00	0.02-0.02	1.5-5.0	0.5-2.0
	34-53	27-35	1.40-1.50	1.00-10.00	0.02-0.02	2.0-6.0	0.2-1.0
	53-60	27-35	1.40-1.50	1.00-10.00	0.02-0.02	2.0-6.0	0.2-1.0
Zephyrcove	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	---	0.10-0.20	100.00-200.00	0.45-0.55	---	70-90
	4-7	1-6	1.50-1.60	10.00-100.00	0.11-0.13	0.1-0.5	5.0-10
	7-16	2-10	1.50-1.60	10.00-100.00	0.10-0.12	0.2-1.0	1.0-3.0
	16-35	13-30	1.45-1.50	1.00-10.00	0.12-0.15	0.5-4.2	0.2-1.0
	35-44	---	---	0.00-0.01	---	---	---
Genoapeak	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	1-5	1.50-1.60	10.00-100.00	0.07-0.08	0.0-0.5	3.0-8.0
	4-7	3-10	1.55-1.60	10.00-100.00	0.04-0.05	0.0-0.5	1.0-3.0
	7-16	0-1	1.50-1.60	100.00-200.00	0.01-0.01	0.0-0.5	0.0-0.2
	16-60	0	1.50-1.60	100.00-200.00	0.01-0.01	0.0-0.5	0.0-0.2
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
7121:							
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7121:							
Rock outcrop, volcanic.							
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Kneeridge, well drained	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-16	3-13	0.75-1.10	10.00-100.00	0.14-0.16	0.5-1.0	8.0-15
	16-39	3-15	0.80-1.50	10.00-100.00	0.13-0.15	0.5-1.0	2.0-8.0
	39-79	1-10	1.00-1.50	10.00-100.00	0.13-0.15	0.5-1.0	0.5-1.0
Paige	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-20	2-8	0.80-1.00	14.11-42.34	0.12-0.14	0.1-0.5	5.0-10
	20-48	3-10	1.30-1.60	14.11-42.34	0.11-0.13	0.2-0.8	2.0-5.0
	48-62	5-20	1.50-1.60	4.23-14.11	0.14-0.16	0.8-1.2	1.0-2.0
	62-80	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
7122:							
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Rock outcrop, volcanic.							
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Kneeridge, well drained	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-16	3-13	0.75-1.10	10.00-100.00	0.14-0.16	0.5-1.0	8.0-15
	16-39	3-15	0.80-1.50	10.00-100.00	0.13-0.15	0.5-1.0	2.0-8.0
	39-79	1-10	1.00-1.50	10.00-100.00	0.13-0.15	0.5-1.0	0.5-1.0
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
Paige	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-20	2-8	0.80-1.00	14.11-42.34	0.12-0.14	0.1-0.5	5.0-10
	20-48	3-10	1.30-1.60	14.11-42.34	0.11-0.13	0.2-0.8	2.0-5.0
	48-62	5-20	1.50-1.60	4.23-14.11	0.14-0.16	0.8-1.2	1.0-2.0
	62-80	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7123:							
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Rock outcrop, volcanic.							
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Kneeridge, well drained	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-16	3-13	0.75-1.10	10.00-100.00	0.14-0.16	0.5-1.0	8.0-15
	16-39	3-15	0.80-1.50	10.00-100.00	0.13-0.15	0.5-1.0	2.0-8.0
	39-79	1-10	1.00-1.50	10.00-100.00	0.13-0.15	0.5-1.0	0.5-1.0
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
Paige	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-20	2-8	0.80-1.00	14.11-42.34	0.12-0.14	0.1-0.5	5.0-10
	20-48	3-10	1.30-1.60	14.11-42.34	0.11-0.13	0.2-0.8	2.0-5.0
	48-62	5-20	1.50-1.60	4.23-14.11	0.14-0.16	0.8-1.2	1.0-2.0
	62-80	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
7131:							
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Rock outcrop.							
Windy	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-49	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	49-59	---	---	0.00-0.42	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7131:							
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
7132:							
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Rock outcrop.							
Windy	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-49	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	49-59	---	---	0.00-0.42	---	---	---
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
7133:							
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Rock outcrop.							

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7133:							
Windy	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-49	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	49-59	---	---	0.00-0.42	---	---	---
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
7141:							
Inville	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-12	5-15	1.35-1.45	14.00-42.00	0.07-0.09	0.0-2.9	2.0-8.0
	12-37	8-20	1.40-1.50	14.00-42.00	0.03-0.07	0.0-2.9	0.5-2.0
	37-56	0-5	1.60-1.70	100.00-200.00	0.01-0.02	0.0-1.0	0.0-0.5
Christopher loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-8	0-5	1.20-1.60	42.00-141.00	0.10-0.12	0.0-3.0	1.0-5.0
	8-26	0-5	1.25-1.65	42.00-141.00	0.09-0.11	0.0-3.0	0.2-1.0
	26-42	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
	42-61	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Jorge very gravelly sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-24	8-15	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	24-32	9-18	0.88-1.08	14.00-42.00	0.09-0.11	1.0-1.2	1.0-4.0
	32-48	15-24	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	48-84	15-24	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Kingsbeach	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	10-20	1.20-1.60	14.00-42.00	0.08-0.10	0.0-2.9	1.0-5.0
	6-20	18-35	1.40-1.65	1.40-4.00	0.16-0.18	3.0-5.9	0.5-1.0
	20-30	20-35	1.40-1.65	0.01-0.42	0.14-0.18	3.0-5.9	0.2-0.8
	30-61	30-40	1.25-1.70	0.01-0.42	0.14-0.18	6.0-8.9	0.2-0.8
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7142:							
Inville	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-12	5-15	1.35-1.45	14.00-42.00	0.07-0.09	0.0-2.9	2.0-8.0
	12-37	8-20	1.40-1.50	14.00-42.00	0.03-0.07	0.0-2.9	0.5-2.0
	37-56	0-5	1.60-1.70	100.00-200.00	0.01-0.02	0.0-1.0	0.0-0.5
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Christopher gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-5	1-5	1.60-1.70	43.00-141.00	0.06-0.08	0.0-1.0	1.0-5.0
	5-32	2-7	1.60-1.70	43.00-141.00	0.05-0.07	0.0-1.0	0.5-1.2
	32-41	2-7	1.60-1.70	43.00-141.00	0.05-0.07	0.0-1.0	0.5-1.2
	41-71	1-5	1.60-1.70	43.00-141.00	0.03-0.05	0.0-1.0	0.2-1.0
Jorge very gravelly sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-24	8-15	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	24-32	9-18	0.88-1.08	14.00-42.00	0.09-0.11	1.0-1.2	1.0-4.0
	32-48	15-24	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	48-84	15-24	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Meeks, extremely bouldery	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
7143:							
Inville	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-12	5-15	1.35-1.45	14.00-42.00	0.07-0.09	0.0-2.9	2.0-8.0
	12-37	8-20	1.40-1.50	14.00-42.00	0.03-0.07	0.0-2.9	0.5-2.0
	37-56	0-5	1.60-1.70	100.00-200.00	0.01-0.02	0.0-1.0	0.0-0.5
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Christopher gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-5	1-5	1.60-1.70	43.00-141.00	0.06-0.08	0.0-1.0	1.0-5.0
	5-32	2-7	1.60-1.70	43.00-141.00	0.05-0.07	0.0-1.0	0.5-1.2
	32-41	2-7	1.60-1.70	43.00-141.00	0.05-0.07	0.0-1.0	0.5-1.2
	41-71	1-5	1.60-1.70	43.00-141.00	0.03-0.05	0.0-1.0	0.2-1.0

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7143:							
Jorge very gravelly sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-24	8-15	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	24-32	9-18	0.88-1.08	14.00-42.00	0.09-0.11	1.0-1.2	1.0-4.0
	32-48	15-24	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	48-84	15-24	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Meeks, extremely bouldery	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
7151:							
Jorge very cobbly fine sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-9	2-10	0.80-1.00	14.00-42.00	0.08-0.09	0.8-1.2	5.0-11
	9-28	5-13	0.80-1.00	14.00-42.00	0.07-0.08	0.8-1.2	0.5-1.5
	28-34	5-13	0.80-1.00	14.00-42.00	0.07-0.08	0.8-1.2	0.5-1.5
	34-59	15-25	1.00-1.40	4.00-14.00	0.06-0.08	0.8-1.2	0.2-1.0
Tahoma	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	7-20	0.80-1.00	10.00-100.00	0.07-0.09	0.5-1.0	5.0-10
	14-22	7-20	0.80-1.00	10.00-100.00	0.07-0.08	0.5-1.0	2.0-7.0
	22-38	9-27	0.90-1.10	10.00-100.00	0.13-0.16	0.5-2.0	1.5-5.0
	38-59	27-40	1.10-1.30	1.00-10.00	0.12-0.15	1.0-3.0	0.5-3.0
	59-71	27-40	1.10-1.30	1.00-10.00	0.14-0.18	1.0-3.0	0.5-2.0
	71-81	---	---	0.00	---	---	---
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Jorge very cobbly loam	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-15	5-20	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	15-45	11-35	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	45-60	11-27	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Sky	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	---	0.40-0.70	100.00-200.00	0.35-0.45	---	60-80
	2-3	2-10	0.83-0.90	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	3-5	2-10	0.84-0.90	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	5-24	2-10	0.85-1.00	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	24-34	---	---	0.10-1.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7151:							
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
Rock outcrop.							
7152:							
Jorge very cobbly fine sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-9	2-10	0.80-1.00	14.00-42.00	0.08-0.09	0.8-1.2	5.0-11
	9-28	5-13	0.80-1.00	14.00-42.00	0.07-0.08	0.8-1.2	0.5-1.5
	28-34	5-13	0.80-1.00	14.00-42.00	0.07-0.08	0.8-1.2	0.5-1.5
	34-59	15-25	1.00-1.40	4.00-14.00	0.06-0.08	0.8-1.2	0.2-1.0
Tahoma	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	7-20	0.80-1.00	10.00-100.00	0.07-0.09	0.5-1.0	5.0-10
	14-22	7-20	0.80-1.00	10.00-100.00	0.07-0.08	0.5-1.0	2.0-7.0
	22-38	9-27	0.90-1.10	10.00-100.00	0.13-0.16	0.5-2.0	1.5-5.0
	38-59	27-40	1.10-1.30	1.00-10.00	0.12-0.15	1.0-3.0	0.5-3.0
	59-71	27-40	1.10-1.30	1.00-10.00	0.14-0.18	1.0-3.0	0.5-2.0
	71-81	---	---	0.00	---	---	---
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Jorge very cobbly loam	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-15	5-20	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	15-45	11-35	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	45-60	11-27	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Sky	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	---	0.40-0.70	100.00-200.00	0.35-0.45	---	60-80
	2-3	2-10	0.83-0.90	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	3-5	2-10	0.84-0.90	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	5-24	2-10	0.85-1.00	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	24-34	---	---	0.10-1.00	---	---	---
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7152:							
Rock outcrop.							
7153:							
Jorge very cobbly fine sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-9	2-10	0.80-1.00	14.00-42.00	0.08-0.09	0.8-1.2	5.0-11
	9-28	5-13	0.80-1.00	14.00-42.00	0.07-0.08	0.8-1.2	0.5-1.5
	28-34	5-13	0.80-1.00	14.00-42.00	0.07-0.08	0.8-1.2	0.5-1.5
	34-59	15-25	1.00-1.40	4.00-14.00	0.06-0.08	0.8-1.2	0.2-1.0
Tahoma	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	7-20	0.80-1.00	10.00-100.00	0.07-0.09	0.5-1.0	5.0-10
	14-22	7-20	0.80-1.00	10.00-100.00	0.07-0.08	0.5-1.0	2.0-7.0
	22-38	9-27	0.90-1.10	10.00-100.00	0.13-0.16	0.5-2.0	1.5-5.0
	38-59	27-40	1.10-1.30	1.00-10.00	0.12-0.15	1.0-3.0	0.5-3.0
	59-71	27-40	1.10-1.30	1.00-10.00	0.14-0.18	1.0-3.0	0.5-2.0
	71-81	---	---	0.00	---	---	---
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Jorge very cobbly loam	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-15	5-20	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	15-45	11-35	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	45-60	11-27	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Sky	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	---	0.40-0.70	100.00-200.00	0.35-0.45	---	60-80
	2-3	2-10	0.83-0.90	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	3-5	2-10	0.84-0.90	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	5-24	2-10	0.85-1.00	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	24-34	---	---	0.10-1.00	---	---	---
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
Rock outcrop.							
7154:							
Jorge very cobbly loam	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-15	5-20	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	15-45	11-35	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	45-60	11-27	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7154:							
Rubble land.							
Tahoma	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	7-20	0.80-1.00	10.00-100.00	0.07-0.09	0.5-1.0	5.0-10
	14-22	7-20	0.80-1.00	10.00-100.00	0.07-0.08	0.5-1.0	2.0-7.0
	22-38	9-27	0.90-1.10	10.00-100.00	0.13-0.16	0.5-2.0	1.5-5.0
	38-59	27-40	1.10-1.30	1.00-10.00	0.12-0.15	1.0-3.0	0.5-3.0
	59-71	27-40	1.10-1.30	1.00-10.00	0.14-0.18	1.0-3.0	0.5-2.0
	71-81	---	---	0.00	---	---	---
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Rock outcrop.							
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
7155:							
Jorge very cobbly loam	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-15	5-20	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	15-45	11-35	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	45-60	11-27	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Rubble land.							
Tahoma	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	7-20	0.80-1.00	10.00-100.00	0.07-0.09	0.5-1.0	5.0-10
	14-22	7-20	0.80-1.00	10.00-100.00	0.07-0.08	0.5-1.0	2.0-7.0
	22-38	9-27	0.90-1.10	10.00-100.00	0.13-0.16	0.5-2.0	1.5-5.0
	38-59	27-40	1.10-1.30	1.00-10.00	0.12-0.15	1.0-3.0	0.5-3.0
	59-71	27-40	1.10-1.30	1.00-10.00	0.14-0.18	1.0-3.0	0.5-2.0
	71-81	---	---	0.00	---	---	---
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Rock outcrop.							
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7155:							
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
7156:							
Jorge very gravelly sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-24	8-15	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	24-32	9-18	0.88-1.08	14.00-42.00	0.09-0.11	1.0-1.2	1.0-4.0
	32-48	15-24	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	48-84	15-24	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Tahoma	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	7-20	0.80-1.00	10.00-100.00	0.07-0.09	0.5-1.0	5.0-10
	14-22	7-20	0.80-1.00	10.00-100.00	0.07-0.08	0.5-1.0	2.0-7.0
	22-38	9-27	0.90-1.10	10.00-100.00	0.13-0.16	0.5-2.0	1.5-5.0
	38-59	27-40	1.10-1.30	1.00-10.00	0.12-0.15	1.0-3.0	0.5-3.0
	59-71	27-40	1.10-1.30	1.00-10.00	0.14-0.18	1.0-3.0	0.5-2.0
	71-81	---	---	0.00	---	---	---
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Inville	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-12	5-15	1.35-1.45	14.00-42.00	0.07-0.09	0.0-2.9	2.0-8.0
	12-37	8-20	1.40-1.50	14.00-42.00	0.03-0.07	0.0-2.9	0.5-2.0
	37-56	0-5	1.60-1.70	100.00-200.00	0.01-0.02	0.0-1.0	0.0-0.5
Rubble land.							
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Rock outcrop.							
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
7157:							
Jorge very gravelly sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-24	8-15	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	24-32	9-18	0.88-1.08	14.00-42.00	0.09-0.11	1.0-1.2	1.0-4.0
	32-48	15-24	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	48-84	15-24	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Tahoma	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	7-20	0.80-1.00	10.00-100.00	0.07-0.09	0.5-1.0	5.0-10
	14-22	7-20	0.80-1.00	10.00-100.00	0.07-0.08	0.5-1.0	2.0-7.0
	22-38	9-27	0.90-1.10	10.00-100.00	0.13-0.16	0.5-2.0	1.5-5.0
	38-59	27-40	1.10-1.30	1.00-10.00	0.12-0.15	1.0-3.0	0.5-3.0
	59-71	27-40	1.10-1.30	1.00-10.00	0.14-0.18	1.0-3.0	0.5-2.0
	71-81	---	---	0.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7157:							
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Inville	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-12	5-15	1.35-1.45	14.00-42.00	0.07-0.09	0.0-2.9	2.0-8.0
	12-37	8-20	1.40-1.50	14.00-42.00	0.03-0.07	0.0-2.9	0.5-2.0
	37-56	0-5	1.60-1.70	100.00-200.00	0.01-0.02	0.0-1.0	0.0-0.5
Rubble land.							
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Rock outcrop.							
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
7161:							
Kingsbeach	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	10-20	1.20-1.60	14.00-42.00	0.08-0.10	0.0-2.9	1.0-5.0
	6-20	18-35	1.40-1.65	1.40-4.00	0.16-0.18	3.0-5.9	0.5-1.0
	20-30	20-35	1.40-1.65	0.01-0.42	0.14-0.18	3.0-5.9	0.2-0.8
	30-61	30-40	1.25-1.70	0.01-0.42	0.14-0.18	6.0-8.9	0.2-0.8
Tahoma	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	7-20	0.80-1.00	10.00-100.00	0.07-0.09	0.5-1.0	5.0-10
	14-22	7-20	0.80-1.00	10.00-100.00	0.07-0.08	0.5-1.0	2.0-7.0
	22-38	9-27	0.90-1.10	10.00-100.00	0.13-0.16	0.5-2.0	1.5-5.0
	38-59	27-40	1.10-1.30	1.00-10.00	0.12-0.15	1.0-3.0	0.5-3.0
	59-71	27-40	1.10-1.30	1.00-10.00	0.14-0.18	1.0-3.0	0.5-2.0
	71-81	---	---	0.00	---	---	---
Jorge very gravelly sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-24	8-15	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	24-32	9-18	0.88-1.08	14.00-42.00	0.09-0.11	1.0-1.2	1.0-4.0
	32-48	15-24	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	48-84	15-24	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Beaches	0-79	0	1.70-1.80	100.00-200.00	0.02-0.04	0.00	0.0-1.0
Dunes.							
7171:							
Kneeridge, extremely stony	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-16	3-13	0.75-1.10	10.00-100.00	0.14-0.16	0.5-1.0	8.0-15
	16-39	3-15	0.80-1.50	10.00-100.00	0.13-0.15	0.5-1.0	2.0-8.0
	39-79	1-10	1.00-1.50	10.00-100.00	0.13-0.15	0.5-1.0	0.5-1.0

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7171:							
Jorge very gravelly sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-24	8-15	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	24-32	9-18	0.88-1.08	14.00-42.00	0.09-0.11	1.0-1.2	1.0-4.0
	32-48	15-24	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	48-84	15-24	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Paige	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-20	2-8	0.80-1.00	14.11-42.34	0.12-0.14	0.1-0.5	5.0-10
	20-48	3-10	1.30-1.60	14.11-42.34	0.11-0.13	0.2-0.8	2.0-5.0
	48-62	5-20	1.50-1.60	4.23-14.11	0.14-0.16	0.8-1.2	1.0-2.0
	62-80	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
7172:							
Kneeridge, well drained	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-16	3-13	0.75-1.10	10.00-100.00	0.14-0.16	0.5-1.0	8.0-15
	16-39	3-15	0.80-1.50	10.00-100.00	0.13-0.15	0.5-1.0	2.0-8.0
	39-79	1-10	1.00-1.50	10.00-100.00	0.13-0.15	0.5-1.0	0.5-1.0
Jorge very gravelly sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-24	8-15	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	24-32	9-18	0.88-1.08	14.00-42.00	0.09-0.11	1.0-1.2	1.0-4.0
	32-48	15-24	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	48-84	15-24	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Paige	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-20	2-8	0.80-1.00	14.11-42.34	0.12-0.14	0.1-0.5	5.0-10
	20-48	3-10	1.30-1.60	14.11-42.34	0.11-0.13	0.2-0.8	2.0-5.0
	48-62	5-20	1.50-1.60	4.23-14.11	0.14-0.16	0.8-1.2	1.0-2.0
	62-80	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
7173:							
Kneeridge, very stony	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-16	3-13	0.75-1.10	10.00-100.00	0.14-0.16	0.5-1.0	8.0-15
	16-39	3-15	0.80-1.50	10.00-100.00	0.13-0.15	0.5-1.0	2.0-8.0
	39-79	1-10	1.00-1.50	10.00-100.00	0.13-0.15	0.5-1.0	0.5-1.0

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7173:							
Jorge very gravelly sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-24	8-15	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	24-32	9-18	0.88-1.08	14.00-42.00	0.09-0.11	1.0-1.2	1.0-4.0
	32-48	15-24	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	48-84	15-24	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Paige	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-20	2-8	0.80-1.00	14.11-42.34	0.12-0.14	0.1-0.5	5.0-10
	20-48	3-10	1.30-1.60	14.11-42.34	0.11-0.13	0.2-0.8	2.0-5.0
	48-62	5-20	1.50-1.60	4.23-14.11	0.14-0.16	0.8-1.2	1.0-2.0
	62-80	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
7174:							
Kneeridge, very stony	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-16	3-13	0.75-1.10	10.00-100.00	0.14-0.16	0.5-1.0	8.0-15
	16-39	3-15	0.80-1.50	10.00-100.00	0.13-0.15	0.5-1.0	2.0-8.0
	39-79	1-10	1.00-1.50	10.00-100.00	0.13-0.15	0.5-1.0	0.5-1.0
Jorge very gravelly sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-24	8-15	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	24-32	9-18	0.88-1.08	14.00-42.00	0.09-0.11	1.0-1.2	1.0-4.0
	32-48	15-24	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	48-84	15-24	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Paige	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-20	2-8	0.80-1.00	14.11-42.34	0.12-0.14	0.1-0.5	5.0-10
	20-48	3-10	1.30-1.60	14.11-42.34	0.11-0.13	0.2-0.8	2.0-5.0
	48-62	5-20	1.50-1.60	4.23-14.11	0.14-0.16	0.8-1.2	1.0-2.0
	62-80	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7181:							
Paige	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-20	2-8	0.80-1.00	14.11-42.34	0.12-0.14	0.1-0.5	5.0-10
	20-48	3-10	1.30-1.60	14.11-42.34	0.11-0.13	0.2-0.8	2.0-5.0
	48-62	5-20	1.50-1.60	4.23-14.11	0.14-0.16	0.8-1.2	1.0-2.0
	62-80	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Kneeridge, well drained	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-16	3-13	0.75-1.10	10.00-100.00	0.14-0.16	0.5-1.0	8.0-15
	16-39	3-15	0.80-1.50	10.00-100.00	0.13-0.15	0.5-1.0	2.0-8.0
	39-79	1-10	1.00-1.50	10.00-100.00	0.13-0.15	0.5-1.0	0.5-1.0
Jorge very gravelly sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-24	8-15	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	24-32	9-18	0.88-1.08	14.00-42.00	0.09-0.11	1.0-1.2	1.0-4.0
	32-48	15-24	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	48-84	15-24	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
7182:							
Paige	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-20	2-8	0.80-1.00	14.11-42.34	0.12-0.14	0.1-0.5	5.0-10
	20-48	3-10	1.30-1.60	14.11-42.34	0.11-0.13	0.2-0.8	2.0-5.0
	48-62	5-20	1.50-1.60	4.23-14.11	0.14-0.16	0.8-1.2	1.0-2.0
	62-80	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Jorge very gravelly sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-24	8-15	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	24-32	9-18	0.88-1.08	14.00-42.00	0.09-0.11	1.0-1.2	1.0-4.0
	32-48	15-24	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	48-84	15-24	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Tahoma	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	7-20	0.80-1.00	10.00-100.00	0.07-0.09	0.5-1.0	5.0-10
	14-22	7-20	0.80-1.00	10.00-100.00	0.07-0.08	0.5-1.0	2.0-7.0
	22-38	9-27	0.90-1.10	10.00-100.00	0.13-0.16	0.5-2.0	1.5-5.0
	38-59	27-40	1.10-1.30	1.00-10.00	0.12-0.15	1.0-3.0	0.5-3.0
	59-71	27-40	1.10-1.30	1.00-10.00	0.14-0.18	1.0-3.0	0.5-2.0
	71-81	---	---	0.00	---	---	---
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7182:							
Kneeridge, well drained------	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-16	3-13	0.75-1.10	10.00-100.00	0.14-0.16	0.5-1.0	8.0-15
	16-39	3-15	0.80-1.50	10.00-100.00	0.13-0.15	0.5-1.0	2.0-8.0
	39-79	1-10	1.00-1.50	10.00-100.00	0.13-0.15	0.5-1.0	0.5-1.0
Tahoe, gravelly--------------	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
7183:							
Paige------------------------	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-20	2-8	0.80-1.00	14.11-42.34	0.12-0.14	0.1-0.5	5.0-10
	20-48	3-10	1.30-1.60	14.11-42.34	0.11-0.13	0.2-0.8	2.0-5.0
	48-62	5-20	1.50-1.60	4.23-14.11	0.14-0.16	0.8-1.2	1.0-2.0
	62-80	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Jorge very gravelly sandy loam------------------------	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-24	8-15	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	24-32	9-18	0.88-1.08	14.00-42.00	0.09-0.11	1.0-1.2	1.0-4.0
	32-48	15-24	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	48-84	15-24	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Tahoma------------------------	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	7-20	0.80-1.00	10.00-100.00	0.07-0.09	0.5-1.0	5.0-10
	14-22	7-20	0.80-1.00	10.00-100.00	0.07-0.08	0.5-1.0	2.0-7.0
	22-38	9-27	0.90-1.10	10.00-100.00	0.13-0.16	0.5-2.0	1.5-5.0
	38-59	27-40	1.10-1.30	1.00-10.00	0.12-0.15	1.0-3.0	0.5-3.0
	59-71	27-40	1.10-1.30	1.00-10.00	0.14-0.18	1.0-3.0	0.5-2.0
	71-81	---	---	0.00	---	---	---
Waca-------------------------	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Tahoe, gravelly--------------	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
7191:							
Rock outcrop, volcanic.							
Glenalpine-------------------	0-11	5-15	1.50-1.60	100.00-200.00	0.10-0.11	0.3-1.0	3.0-8.0
	11-40	5-15	1.50-1.60	100.00-200.00	0.05-0.06	0.3-1.0	1.0-5.0
	40-50	2-10	1.50-1.60	100.00-200.00	0.05-0.06	0.0-0.5	0.5-2.0
	50-59	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Lithnip----------------------	0-2	10-18	1.25-1.35	14.00-42.00	0.03-0.06	0.0-2.9	1.0-2.0
	2-5	12-18	1.25-1.35	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	5-15	---	---	0.00-0.01	---	---	---
Meiss------------------------	0-6	15-25	0.85-1.00	14.00-42.00	0.12-0.15	0.0-2.9	8.0-15
	6-13	15-25	0.85-1.00	14.00-42.00	0.09-0.15	0.0-2.9	3.0-12
	13-23	0	---	0.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7191:							
Melody	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	2-18	1.55-1.65	10.00-100.00	0.07-0.08	0.1-1.0	8.0-20
	2-9	2-18	1.55-1.65	10.00-100.00	0.05-0.06	0.1-1.0	4.0-10
	9-15	2-18	1.55-1.65	10.00-100.00	0.05-0.05	0.1-1.0	2.0-8.0
	15-25	---	---	0.00	---	---	---
Rubble land.							
7201:							
Rubble land, talus.							
Glenalpine	0-11	5-15	1.50-1.60	100.00-200.00	0.10-0.11	0.3-1.0	3.0-8.0
	11-40	5-15	1.50-1.60	100.00-200.00	0.05-0.06	0.3-1.0	1.0-5.0
	40-50	2-10	1.50-1.60	100.00-200.00	0.05-0.06	0.0-0.5	0.5-2.0
	50-59	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Rock outcrop.							
Rockbound very stony loam	0-2	0-5	0.85-1.20	100.00-200.00	0.02-0.03	0.00	8.0-15
	2-5	0-5	1.30-1.80	100.00-200.00	0.01-0.02	0.0-0.1	0.5-5.0
	5-17	0-5	1.30-1.80	100.00-200.00	0.01-0.02	0.0-0.1	0.5-5.0
	17-27	---	---	0.00	---	---	---
7211:							
Southcamp	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	7-20	1.50-1.60	10.00-100.00	0.10-0.12	0.5-1.5	4.0-10
	4-15	10-27	1.45-1.55	10.00-100.00	0.05-0.06	1.0-2.5	0.2-1.0
	15-34	27-35	1.40-1.50	1.00-10.00	0.02-0.02	1.5-5.0	0.5-2.0
	34-53	27-35	1.40-1.50	1.00-10.00	0.02-0.02	2.0-6.0	0.2-1.0
	53-60	27-35	1.40-1.50	1.00-10.00	0.02-0.02	2.0-6.0	0.2-1.0
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Genoapeak	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	1-5	1.50-1.60	10.00-100.00	0.07-0.08	0.0-0.5	3.0-8.0
	4-7	3-10	1.55-1.60	10.00-100.00	0.04-0.05	0.0-0.5	1.0-3.0
	7-16	0-1	1.50-1.60	100.00-200.00	0.01-0.01	0.0-0.5	0.0-0.2
	16-60	0	1.50-1.60	100.00-200.00	0.01-0.01	0.0-0.5	0.0-0.2
Zephyrcove	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	---	0.10-0.20	100.00-200.00	0.45-0.55	---	70-90
	4-7	1-6	1.50-1.60	10.00-100.00	0.11-0.13	0.1-0.5	5.0-10
	7-16	2-10	1.50-1.60	10.00-100.00	0.10-0.12	0.2-1.0	1.0-3.0
	16-35	13-30	1.45-1.50	1.00-10.00	0.12-0.15	0.5-4.2	0.2-1.0
	35-44	---	---	0.00-0.01	---	---	---
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7211:							
Deerhill	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	4-10	1.50-1.60	10.00-100.00	0.14-0.16	0.0-1.0	3.0-8.0
	1-9	4-10	1.50-1.60	10.00-100.00	0.14-0.16	0.0-1.0	3.0-8.0
	9-35	7-13	1.50-1.60	1.00-10.00	0.14-0.15	0.0-1.0	1.0-3.0
	35-51	15-27	1.45-1.55	1.00-10.00	0.15-0.17	0.5-2.0	0.5-2.0
	51-65	15-27	1.45-1.55	1.00-10.00	0.15-0.17	0.5-2.0	0.5-2.0
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
7221:							
Tahoma	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	7-20	0.80-1.00	10.00-100.00	0.07-0.09	0.5-1.0	5.0-10
	14-22	7-20	0.80-1.00	10.00-100.00	0.07-0.08	0.5-1.0	2.0-7.0
	22-38	9-27	0.90-1.10	10.00-100.00	0.13-0.16	0.5-2.0	1.5-5.0
	38-59	27-40	1.10-1.30	1.00-10.00	0.12-0.15	1.0-3.0	0.5-3.0
	59-71	27-40	1.10-1.30	1.00-10.00	0.14-0.18	1.0-3.0	0.5-2.0
	71-81	---	---	0.00	---	---	---
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Inville	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-12	5-15	1.35-1.45	14.00-42.00	0.07-0.09	0.0-2.9	2.0-8.0
	12-37	8-20	1.40-1.50	14.00-42.00	0.03-0.07	0.0-2.9	0.5-2.0
	37-56	0-5	1.60-1.70	100.00-200.00	0.01-0.02	0.0-1.0	0.0-0.5
Rubble land.							
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Rock outcrop.							

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7222:							
Tahoma	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	7-20	0.80-1.00	10.00-100.00	0.07-0.09	0.5-1.0	5.0-10
	14-22	7-20	0.80-1.00	10.00-100.00	0.07-0.08	0.5-1.0	2.0-7.0
	22-38	9-27	0.90-1.10	10.00-100.00	0.13-0.16	0.5-2.0	1.5-5.0
	38-59	27-40	1.10-1.30	1.00-10.00	0.12-0.15	1.0-3.0	0.5-3.0
	59-71	27-40	1.10-1.30	1.00-10.00	0.14-0.18	1.0-3.0	0.5-2.0
	71-81	---	---	0.00	---	---	---
Jorge very gravelly sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-24	8-15	0.74-0.94	42.00-141.00	0.10-0.12	1.2-1.4	4.0-15
	24-32	9-18	0.88-1.08	14.00-42.00	0.09-0.11	1.0-1.2	1.0-4.0
	32-48	15-24	0.95-1.15	1.00-10.00	0.08-0.09	0.9-1.1	0.2-1.0
	48-84	15-24	0.92-1.12	1.00-10.00	0.08-0.09	0.7-0.9	0.2-1.0
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Inville	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-12	5-15	1.35-1.45	14.00-42.00	0.07-0.09	0.0-2.9	2.0-8.0
	12-37	8-20	1.40-1.50	14.00-42.00	0.03-0.07	0.0-2.9	0.5-2.0
	37-56	0-5	1.60-1.70	100.00-200.00	0.01-0.02	0.0-1.0	0.0-0.5
Rubble land.							
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Rock outcrop.							
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
7231:							
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Rock outcrop.							

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7231:							
Windy	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-49	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	49-59	---	---	0.00-0.42	---	---	---
Kneeridge, well drained	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-16	3-13	0.75-1.10	10.00-100.00	0.14-0.16	0.5-1.0	8.0-15
	16-39	3-15	0.80-1.50	10.00-100.00	0.13-0.15	0.5-1.0	2.0-8.0
	39-79	1-10	1.00-1.50	10.00-100.00	0.13-0.15	0.5-1.0	0.5-1.0
Paige	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-20	2-8	0.80-1.00	14.11-42.34	0.12-0.14	0.1-0.5	5.0-10
	20-48	3-10	1.30-1.60	14.11-42.34	0.11-0.13	0.2-0.8	2.0-5.0
	48-62	5-20	1.50-1.60	4.23-14.11	0.14-0.16	0.8-1.2	1.0-2.0
	62-80	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
7232:							
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Rock outcrop.							
Windy	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-49	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	49-59	---	---	0.00-0.42	---	---	---
Kneeridge, well drained	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-16	3-13	0.75-1.10	10.00-100.00	0.14-0.16	0.5-1.0	8.0-15
	16-39	3-15	0.80-1.50	10.00-100.00	0.13-0.15	0.5-1.0	2.0-8.0
	39-79	1-10	1.00-1.50	10.00-100.00	0.13-0.15	0.5-1.0	0.5-1.0
Paige	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-20	2-8	0.80-1.00	14.11-42.34	0.12-0.14	0.1-0.5	5.0-10
	20-48	3-10	1.30-1.60	14.11-42.34	0.11-0.13	0.2-0.8	2.0-5.0
	48-62	5-20	1.50-1.60	4.23-14.11	0.14-0.16	0.8-1.2	1.0-2.0
	62-80	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7232:							
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
Typic Epiaquents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
7233:							
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Rock outcrop.							
Windy	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-49	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	49-59	---	---	0.00-0.42	---	---	---
Kneeridge, well drained	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-16	3-13	0.75-1.10	10.00-100.00	0.14-0.16	0.5-1.0	8.0-15
	16-39	3-15	0.80-1.50	10.00-100.00	0.13-0.15	0.5-1.0	2.0-8.0
	39-79	1-10	1.00-1.50	10.00-100.00	0.13-0.15	0.5-1.0	0.5-1.0
Paige	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-20	2-8	0.80-1.00	14.11-42.34	0.12-0.14	0.1-0.5	5.0-10
	20-48	3-10	1.30-1.60	14.11-42.34	0.11-0.13	0.2-0.8	2.0-5.0
	48-62	5-20	1.50-1.60	4.23-14.11	0.14-0.16	0.8-1.2	1.0-2.0
	62-80	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7241:							
Zephyrcove	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	---	0.10-0.20	100.00-200.00	0.45-0.55	---	70-90
	4-7	1-6	1.50-1.60	10.00-100.00	0.11-0.13	0.1-0.5	5.0-10
	7-16	2-10	1.50-1.60	10.00-100.00	0.10-0.12	0.2-1.0	1.0-3.0
	16-35	13-30	1.45-1.50	1.00-10.00	0.12-0.15	0.5-4.2	0.2-1.0
	35-44	---	---	0.00-0.01	---	---	---
Southcamp	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	7-20	1.50-1.60	10.00-100.00	0.10-0.12	0.5-1.5	4.0-10
	4-15	10-27	1.45-1.55	10.00-100.00	0.05-0.06	1.0-2.5	0.2-1.0
	15-34	27-35	1.40-1.50	1.00-10.00	0.02-0.02	1.5-5.0	0.5-2.0
	34-53	27-35	1.40-1.50	1.00-10.00	0.02-0.02	2.0-6.0	0.2-1.0
	53-60	27-35	1.40-1.50	1.00-10.00	0.02-0.02	2.0-6.0	0.2-1.0
Genoapeak	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	1-5	1.50-1.60	10.00-100.00	0.07-0.08	0.0-0.5	3.0-8.0
	4-7	3-10	1.55-1.60	10.00-100.00	0.04-0.05	0.0-0.5	1.0-3.0
	7-16	0-1	1.50-1.60	100.00-200.00	0.01-0.01	0.0-0.5	0.0-0.2
	16-60	0	1.50-1.60	100.00-200.00	0.01-0.01	0.0-0.5	0.0-0.2
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Deerhill	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	4-10	1.50-1.60	10.00-100.00	0.14-0.16	0.0-1.0	3.0-8.0
	1-9	4-10	1.50-1.60	10.00-100.00	0.14-0.16	0.0-1.0	3.0-8.0
	9-35	7-13	1.50-1.60	1.00-10.00	0.14-0.15	0.0-1.0	1.0-3.0
	35-51	15-27	1.45-1.55	1.00-10.00	0.15-0.17	0.5-2.0	0.5-2.0
	51-65	15-27	1.45-1.55	1.00-10.00	0.15-0.17	0.5-2.0	0.5-2.0
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
7242:							
Zephyrcove	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	---	0.10-0.20	100.00-200.00	0.45-0.55	---	70-90
	4-7	1-6	1.50-1.60	10.00-100.00	0.11-0.13	0.1-0.5	5.0-10
	7-16	2-10	1.50-1.60	10.00-100.00	0.10-0.12	0.2-1.0	1.0-3.0
	16-35	13-30	1.45-1.50	1.00-10.00	0.12-0.15	0.5-4.2	0.2-1.0
	35-44	---	---	0.00-0.01	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7242:							
Southcamp	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	7-20	1.50-1.60	10.00-100.00	0.10-0.12	0.5-1.5	4.0-10
	4-15	10-27	1.45-1.55	10.00-100.00	0.05-0.06	1.0-2.5	0.2-1.0
	15-34	27-35	1.40-1.50	1.00-10.00	0.02-0.02	1.5-5.0	0.5-2.0
	34-53	27-35	1.40-1.50	1.00-10.00	0.02-0.02	2.0-6.0	0.2-1.0
	53-60	27-35	1.40-1.50	1.00-10.00	0.02-0.02	2.0-6.0	0.2-1.0
Genoapeak	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-4	1-5	1.50-1.60	10.00-100.00	0.07-0.08	0.0-0.5	3.0-8.0
	4-7	3-10	1.55-1.60	10.00-100.00	0.04-0.05	0.0-0.5	1.0-3.0
	7-16	0-1	1.50-1.60	100.00-200.00	0.01-0.01	0.0-0.5	0.0-0.2
	16-60	0	1.50-1.60	100.00-200.00	0.01-0.01	0.0-0.5	0.0-0.2
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Deerhill	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	4-10	1.50-1.60	10.00-100.00	0.14-0.16	0.0-1.0	3.0-8.0
	1-9	4-10	1.50-1.60	10.00-100.00	0.14-0.16	0.0-1.0	3.0-8.0
	9-35	7-13	1.50-1.60	1.00-10.00	0.14-0.15	0.0-1.0	1.0-3.0
	35-51	15-27	1.45-1.55	1.00-10.00	0.15-0.17	0.5-2.0	0.5-2.0
	51-65	15-27	1.45-1.55	1.00-10.00	0.15-0.17	0.5-2.0	0.5-2.0
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
7401:							
Burnlake	0-2	8-15	1.35-1.55	14.00-42.00	0.10-0.12	0.0-2.9	2.0-4.0
	2-17	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	2.0-4.0
	17-26	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	26-60	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Roadcat	0-8	3-10	1.35-1.55	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	8-19	8-12	1.35-1.55	42.00-141.00	0.04-0.08	0.0-2.9	0.5-1.0
	19-36	3-10	1.40-1.60	42.00-141.00	0.03-0.05	0.0-2.9	0.2-0.8
	36-60	3-10	1.40-1.60	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Hardtil	0-3	2-8	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	3-7	8-15	1.40-1.60	42.00-141.00	0.06-0.08	0.0-2.9	2.0-4.0
	7-18	8-15	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	0.5-1.0
	18-28	---	---	0.00-0.01	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7401:							
Aquic Haplocryolls	0-12	8-15	1.20-1.30	14.00-42.00	0.10-0.12	0.0-2.9	4.0-10
	12-30	8-15	1.25-1.40	14.00-42.00	0.04-0.08	0.0-2.9	4.0-6.0
	30-39	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	39-60	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Aspetill	0-5	8-18	1.20-1.25	14.00-42.00	0.07-0.11	0.0-2.9	5.0-8.0
	5-26	18-25	1.30-1.45	4.00-14.00	0.09-0.10	0.0-2.9	1.0-4.0
	26-60	15-25	1.30-1.45	4.00-14.00	0.09-0.10	0.0-2.9	0.5-1.0
Cumulic Cryaquolls	0-12	8-15	1.20-1.30	14.00-42.00	0.10-0.12	0.0-2.9	4.0-10
	12-30	8-15	1.25-1.40	14.00-42.00	0.04-0.08	0.0-2.9	4.0-6.0
	30-39	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	39-60	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Stumpatil	0-6	8-15	1.30-1.50	14.00-42.00	0.10-0.12	0.0-2.9	3.0-5.0
	6-11	8-15	1.35-1.55	14.00-42.00	0.06-0.08	0.0-2.9	2.0-3.0
	11-26	10-15	1.35-1.55	14.00-42.00	0.06-0.08	0.0-2.9	0.5-1.0
	26-33	13-18	1.35-1.55	14.00-42.00	0.06-0.08	0.0-2.9	0.2-0.8
	33-60	13-18	1.70-1.80	4.00-14.00	0.06-0.08	0.0-2.9	0.0-0.5
Typic Haploxerepts	0-8	3-10	1.35-1.55	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	8-19	8-12	1.35-1.55	42.00-141.00	0.04-0.08	0.0-2.9	0.5-1.0
	19-36	3-10	1.40-1.60	42.00-141.00	0.03-0.05	0.0-2.9	0.2-0.8
	36-60	3-10	1.40-1.60	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Rock outcrop.							
7411:							
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Rock outcrop, granitic.							
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
Dagget very gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Temo	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7411:							
Witefels	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
7412:							
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Rock outcrop, granitic.							
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
Dagget very gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Temo	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---
Witefels	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
7413:							
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7413:							
Rock outcrop, granitic.							
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
Dagget very gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Temo	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---
Witefels	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
7414:							
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Rock outcrop, granitic.							
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
Dagget very gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7414:							
Temo	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---
Witefels	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
7421:							
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
Rock outcrop.							
Christopher gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-5	1-5	1.60-1.70	43.00-141.00	0.06-0.08	0.0-1.0	1.0-5.0
	5-32	2-7	1.60-1.70	43.00-141.00	0.05-0.07	0.0-1.0	0.5-1.2
	32-41	2-7	1.60-1.70	43.00-141.00	0.05-0.07	0.0-1.0	0.5-1.2
	41-71	1-5	1.60-1.70	43.00-141.00	0.03-0.05	0.0-1.0	0.2-1.0
Christopher loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-8	0-5	1.20-1.60	42.00-141.00	0.10-0.12	0.0-3.0	1.0-5.0
	8-26	0-5	1.25-1.65	42.00-141.00	0.09-0.11	0.0-3.0	0.2-1.0
	26-42	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
	42-61	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7422:							
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Dagget very gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
Christopher gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-5	1-5	1.60-1.70	43.00-141.00	0.06-0.08	0.0-1.0	1.0-5.0
	5-32	2-7	1.60-1.70	43.00-141.00	0.05-0.07	0.0-1.0	0.5-1.2
	32-41	2-7	1.60-1.70	43.00-141.00	0.05-0.07	0.0-1.0	0.5-1.2
	41-71	1-5	1.60-1.70	43.00-141.00	0.03-0.05	0.0-1.0	0.2-1.0
Rock outcrop.							
7423:							
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
Rock outcrop.							

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7423:							
Christopher gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-5	1-5	1.60-1.70	43.00-141.00	0.06-0.08	0.0-1.0	1.0-5.0
	5-32	2-7	1.60-1.70	43.00-141.00	0.05-0.07	0.0-1.0	0.5-1.2
	32-41	2-7	1.60-1.70	43.00-141.00	0.05-0.07	0.0-1.0	0.5-1.2
	41-71	1-5	1.60-1.70	43.00-141.00	0.03-0.05	0.0-1.0	0.2-1.0
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
7424:							
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
Rock outcrop.							
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
7425:							
Cassenai, moist	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-11	0-5	0.75-1.50	14.00-42.00	0.06-0.08	0.0-0.5	5.0-12
	11-20	0-5	1.25-1.45	14.00-42.00	0.05-0.07	0.0-0.5	1.0-5.0
	20-63	0-5	1.35-1.60	14.00-42.00	0.04-0.06	0.0-0.5	0.0-1.0
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7425:							
Meeks, extremely bouldery----	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Tallac, very stony----------	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5
Rock outcrop.							
Toem-------------------------	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
Marla------------------------	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
7426:							
Cassenai, moist--------------	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-11	0-5	0.75-1.50	14.00-42.00	0.06-0.08	0.0-0.5	5.0-12
	11-20	0-5	1.25-1.45	14.00-42.00	0.05-0.07	0.0-0.5	1.0-5.0
	20-63	0-5	1.35-1.60	14.00-42.00	0.04-0.06	0.0-0.5	0.0-1.0
Cagwin-----------------------	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Tallac, very stony----------	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5
Meeks, extremely bouldery----	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Rock outcrop.							
Toem-------------------------	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7426:							
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
7427:							
Cassenai, moist	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-11	0-5	0.75-1.50	14.00-42.00	0.06-0.08	0.0-0.5	5.0-12
	11-20	0-5	1.25-1.45	14.00-42.00	0.05-0.07	0.0-0.5	1.0-5.0
	20-63	0-5	1.35-1.60	14.00-42.00	0.04-0.06	0.0-0.5	0.0-1.0
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Meeks, extremely bouldery	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
Rock outcrop.							
Tallac, very stony	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7428:							
Cassenai, moist	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-11	0-5	0.75-1.50	14.00-42.00	0.06-0.08	0.0-0.5	5.0-12
	11-20	0-5	1.25-1.45	14.00-42.00	0.05-0.07	0.0-0.5	1.0-5.0
	20-63	0-5	1.35-1.60	14.00-42.00	0.04-0.06	0.0-0.5	0.0-1.0
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Meeks, extremely bouldery	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
Rock outcrop.							
Tallac, very stony	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
7431:							
Celio	0-8	0-5	1.25-1.35	42.00-141.00	0.07-0.09	0.0-2.9	4.0-8.0
	8-16	0-5	1.25-1.35	42.00-141.00	0.05-0.06	0.0-2.9	2.0-6.0
	16-23	0-5	1.40-1.50	42.00-141.00	0.04-0.06	0.0-2.9	1.0-3.0
	23-45	0-5	1.40-1.50	42.00-141.00	0.01-0.02	0.0-2.9	0.2-1.5
	45-56	---	---	---	---	---	---
	56-80	0-5	1.65-1.75	14.00-42.00	0.00	0.0-2.9	0.0-0.5
Meeks, stony	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7431:							
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
Watah	0-3	0	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-8	0	0.10-0.20	100.00-200.00	0.45-0.55	---	70-90
	8-15	0-8	1.50-1.60	10.00-100.00	0.09-0.11	0.5-2.0	10-21
	15-63	0-8	1.60-1.70	10.00-100.00	0.02-0.03	0.0-1.0	0.0-2.0
7441:							
Christopher loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-8	0-5	1.20-1.60	42.00-141.00	0.10-0.12	0.0-3.0	1.0-5.0
	8-26	0-5	1.25-1.65	42.00-141.00	0.09-0.11	0.0-3.0	0.2-1.0
	26-42	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
	42-61	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
Gefo gravelly loamy coarse sand	0-15	2-7	1.35-1.50	42.00-141.00	0.05-0.07	0.0-2.9	1.5-7.0
	15-75	2-7	1.40-1.55	141.00-212.00	0.04-0.08	0.0-2.9	0.0-0.5
Jabu	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-7	4-9	0.80-1.50	42.00-141.00	0.10-0.13	0.5-2.0	2.0-6.0
	7-21	7-12	1.25-1.60	14.00-42.00	0.10-0.13	0.1-0.5	0.5-2.0
	21-46	8-15	1.25-1.75	14.00-42.00	0.06-0.13	0.1-0.5	0.2-0.8
	46-67	3-10	1.60-2.00	0.42-1.40	0.10-0.14	0.1-0.5	0.1-0.4
	67-73	2-18	1.40-1.80	14.00-42.00	0.10-0.13	0.1-0.5	0.1-0.4
	73-101	2-15	1.50-1.90	0.10-1.00	0.10-0.13	0.1-0.5	0.1-0.4
Oneidas	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-9	4-12	0.90-1.20	42.00-141.00	0.04-0.06	0.0-0.5	2.0-6.0
	9-12	7-15	1.40-1.50	14.00-42.00	0.06-0.09	0.0-1.0	0.5-2.0
	12-65	7-18	1.65-1.75	0.42-1.00	0.06-0.09	0.0-1.0	0.1-0.4
	65-79	2-15	1.70-1.80	14.00-42.00	0.09-0.12	0.0-0.5	0.1-0.4
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
7442:							
Christopher loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-8	0-5	1.20-1.60	42.00-141.00	0.10-0.12	0.0-3.0	1.0-5.0
	8-26	0-5	1.25-1.65	42.00-141.00	0.09-0.11	0.0-3.0	0.2-1.0
	26-42	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
	42-61	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
Gefo gravelly loamy coarse sand	0-15	2-7	1.35-1.50	42.00-141.00	0.05-0.07	0.0-2.9	1.5-7.0
	15-75	2-7	1.40-1.55	141.00-212.00	0.04-0.08	0.0-2.9	0.0-0.5
Jabu	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-7	4-9	0.80-1.50	42.00-141.00	0.10-0.13	0.5-2.0	2.0-6.0
	7-21	7-12	1.25-1.60	14.00-42.00	0.10-0.13	0.1-0.5	0.5-2.0
	21-46	8-15	1.25-1.75	14.00-42.00	0.06-0.13	0.1-0.5	0.2-0.8
	46-67	3-10	1.60-2.00	0.42-1.40	0.10-0.14	0.1-0.5	0.1-0.4
	67-73	2-18	1.40-1.80	14.00-42.00	0.10-0.13	0.1-0.5	0.1-0.4
	73-101	2-15	1.50-1.90	0.10-1.00	0.10-0.13	0.1-0.5	0.1-0.4

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7442:							
Oneidas	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-9	4-12	0.90-1.20	42.00-141.00	0.04-0.06	0.0-0.5	2.0-6.0
	9-12	7-15	1.40-1.50	14.00-42.00	0.06-0.09	0.0-1.0	0.5-2.0
	12-65	7-18	1.65-1.75	0.42-1.00	0.06-0.09	0.0-1.0	0.1-0.4
	65-79	2-15	1.70-1.80	14.00-42.00	0.09-0.12	0.0-0.5	0.1-0.4
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
7443:							
Christopher gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-5	1-5	1.60-1.70	43.00-141.00	0.06-0.08	0.0-1.0	1.0-5.0
	5-32	2-7	1.60-1.70	43.00-141.00	0.05-0.07	0.0-1.0	0.5-1.2
	32-41	2-7	1.60-1.70	43.00-141.00	0.05-0.07	0.0-1.0	0.5-1.2
	41-71	1-5	1.60-1.70	43.00-141.00	0.03-0.05	0.0-1.0	0.2-1.0
Gefo gravelly loamy coarse sand	0-15	2-7	1.35-1.50	42.00-141.00	0.05-0.07	0.0-2.9	1.5-7.0
	15-75	2-7	1.40-1.55	141.00-212.00	0.04-0.08	0.0-2.9	0.0-0.5
Jabu	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-7	4-9	0.80-1.50	42.00-141.00	0.10-0.13	0.5-2.0	2.0-6.0
	7-21	7-12	1.25-1.60	14.00-42.00	0.10-0.13	0.1-0.5	0.5-2.0
	21-46	8-15	1.25-1.75	14.00-42.00	0.06-0.13	0.1-0.5	0.2-0.8
	46-67	3-10	1.60-2.00	0.42-1.40	0.10-0.14	0.1-0.5	0.1-0.4
	67-73	2-18	1.40-1.80	14.00-42.00	0.10-0.13	0.1-0.5	0.1-0.4
	73-101	2-15	1.50-1.90	0.10-1.00	0.10-0.13	0.1-0.5	0.1-0.4
Oneidas	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-9	4-12	0.90-1.20	42.00-141.00	0.04-0.06	0.0-0.5	2.0-6.0
	9-12	7-15	1.40-1.50	14.00-42.00	0.06-0.09	0.0-1.0	0.5-2.0
	12-65	7-18	1.65-1.75	0.42-1.00	0.06-0.09	0.0-1.0	0.1-0.4
	65-79	2-15	1.70-1.80	14.00-42.00	0.09-0.12	0.0-0.5	0.1-0.4
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
7444:							
Christopher loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-8	0-5	1.20-1.60	42.00-141.00	0.10-0.12	0.0-3.0	1.0-5.0
	8-26	0-5	1.25-1.65	42.00-141.00	0.09-0.11	0.0-3.0	0.2-1.0
	26-42	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
	42-61	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
Gefo gravelly loamy coarse sand	0-15	2-7	1.35-1.50	42.00-141.00	0.05-0.07	0.0-2.9	1.5-7.0
	15-75	2-7	1.40-1.55	141.00-212.00	0.04-0.08	0.0-2.9	0.0-0.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7444:							
Jabu	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-7	4-9	0.80-1.50	42.00-141.00	0.10-0.13	0.5-2.0	2.0-6.0
	7-21	7-12	1.25-1.60	14.00-42.00	0.10-0.13	0.1-0.5	0.5-2.0
	21-46	8-15	1.25-1.75	14.00-42.00	0.06-0.13	0.1-0.5	0.2-0.8
	46-67	3-10	1.60-2.00	0.42-1.40	0.10-0.14	0.1-0.5	0.1-0.4
	67-73	2-18	1.40-1.80	14.00-42.00	0.10-0.13	0.1-0.5	0.1-0.4
	73-101	2-15	1.50-1.90	0.10-1.00	0.10-0.13	0.1-0.5	0.1-0.4
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
Oneidas	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-9	4-12	0.90-1.20	42.00-141.00	0.04-0.06	0.0-0.5	2.0-6.0
	9-12	7-15	1.40-1.50	14.00-42.00	0.06-0.09	0.0-1.0	0.5-2.0
	12-65	7-18	1.65-1.75	0.42-1.00	0.06-0.09	0.0-1.0	0.1-0.4
	65-79	2-15	1.70-1.80	14.00-42.00	0.09-0.12	0.0-0.5	0.1-0.4
Ubaj	0	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	0-7	10-20	1.50-1.60	10.00-100.00	0.13-0.15	0.0-2.9	2.0-8.0
	7-17	10-20	1.50-1.60	10.00-100.00	0.13-0.15	3.0-5.9	1.0-6.0
	17-28	20-30	1.45-1.55	1.00-10.00	0.16-0.18	3.0-5.9	0.5-2.0
	28-42	27-40	1.40-1.50	1.00-10.00	0.15-0.19	3.0-5.9	0.2-1.5
	42-49	40-50	1.35-1.45	0.10-1.00	0.09-0.11	6.0-8.9	0.1-1.0
	49-120	40-50	1.35-1.45	0.10-1.00	0.08-0.10	6.0-8.9	0.0-0.8
7451:							
Gefo gravelly loamy coarse sand	0-15	2-7	1.35-1.50	42.00-141.00	0.05-0.07	0.0-2.9	1.5-7.0
	15-75	2-7	1.40-1.55	141.00-212.00	0.04-0.08	0.0-2.9	0.0-0.5
Christopher loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-8	0-5	1.20-1.60	42.00-141.00	0.10-0.12	0.0-3.0	1.0-5.0
	8-26	0-5	1.25-1.65	42.00-141.00	0.09-0.11	0.0-3.0	0.2-1.0
	26-42	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
	42-61	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
Jabu	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-7	4-9	0.80-1.50	42.00-141.00	0.10-0.13	0.5-2.0	2.0-6.0
	7-21	7-12	1.25-1.60	14.00-42.00	0.10-0.13	0.1-0.5	0.5-2.0
	21-46	8-15	1.25-1.75	14.00-42.00	0.06-0.13	0.1-0.5	0.2-0.8
	46-67	3-10	1.60-2.00	0.42-1.40	0.10-0.14	0.1-0.5	0.1-0.4
	67-73	2-18	1.40-1.80	14.00-42.00	0.10-0.13	0.1-0.5	0.1-0.4
	73-101	2-15	1.50-1.90	0.10-1.00	0.10-0.13	0.1-0.5	0.1-0.4
Oneidas	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-9	4-12	0.90-1.20	42.00-141.00	0.04-0.06	0.0-0.5	2.0-6.0
	9-12	7-15	1.40-1.50	14.00-42.00	0.06-0.09	0.0-1.0	0.5-2.0
	12-65	7-18	1.65-1.75	0.42-1.00	0.06-0.09	0.0-1.0	0.1-0.4
	65-79	2-15	1.70-1.80	14.00-42.00	0.09-0.12	0.0-0.5	0.1-0.4
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7452:							
Gefo gravelly loamy coarse sand	0-15	2-7	1.35-1.50	42.00-141.00	0.05-0.07	0.0-2.9	1.5-7.0
	15-75	2-7	1.40-1.55	141.00-212.00	0.04-0.08	0.0-2.9	0.0-0.5
Christopher loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-8	0-5	1.20-1.60	42.00-141.00	0.10-0.12	0.0-3.0	1.0-5.0
	8-26	0-5	1.25-1.65	42.00-141.00	0.09-0.11	0.0-3.0	0.2-1.0
	26-42	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
	42-61	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
Jabu	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-7	4-9	0.80-1.50	42.00-141.00	0.10-0.13	0.5-2.0	2.0-6.0
	7-21	7-12	1.25-1.60	14.00-42.00	0.10-0.13	0.1-0.5	0.5-2.0
	21-46	8-15	1.25-1.75	14.00-42.00	0.06-0.13	0.1-0.5	0.2-0.8
	46-67	3-10	1.60-2.00	0.42-1.40	0.10-0.14	0.1-0.5	0.1-0.4
	67-73	2-18	1.40-1.80	14.00-42.00	0.10-0.13	0.1-0.5	0.1-0.4
	73-101	2-15	1.50-1.90	0.10-1.00	0.10-0.13	0.1-0.5	0.1-0.4
Oneidas	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-9	4-12	0.90-1.20	42.00-141.00	0.04-0.06	0.0-0.5	2.0-6.0
	9-12	7-15	1.40-1.50	14.00-42.00	0.06-0.09	0.0-1.0	0.5-2.0
	12-65	7-18	1.65-1.75	0.42-1.00	0.06-0.09	0.0-1.0	0.1-0.4
	65-79	2-15	1.70-1.80	14.00-42.00	0.09-0.12	0.0-0.5	0.1-0.4
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
7461:							
Jabu	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-7	4-9	0.80-1.50	42.00-141.00	0.10-0.13	0.5-2.0	2.0-6.0
	7-21	7-12	1.25-1.60	14.00-42.00	0.10-0.13	0.1-0.5	0.5-2.0
	21-46	8-15	1.25-1.75	14.00-42.00	0.06-0.13	0.1-0.5	0.2-0.8
	46-67	3-10	1.60-2.00	0.42-1.40	0.10-0.14	0.1-0.5	0.1-0.4
	67-73	2-18	1.40-1.80	14.00-42.00	0.10-0.13	0.1-0.5	0.1-0.4
	73-101	2-15	1.50-1.90	0.10-1.00	0.10-0.13	0.1-0.5	0.1-0.4
Christopher loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-8	0-5	1.20-1.60	42.00-141.00	0.10-0.12	0.0-3.0	1.0-5.0
	8-26	0-5	1.25-1.65	42.00-141.00	0.09-0.11	0.0-3.0	0.2-1.0
	26-42	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
	42-61	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
Oneidas	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-9	4-12	0.90-1.20	42.00-141.00	0.04-0.06	0.0-0.5	2.0-6.0
	9-12	7-15	1.40-1.50	14.00-42.00	0.06-0.09	0.0-1.0	0.5-2.0
	12-65	7-18	1.65-1.75	0.42-1.00	0.06-0.09	0.0-1.0	0.1-0.4
	65-79	2-15	1.70-1.80	14.00-42.00	0.09-0.12	0.0-0.5	0.1-0.4
Gefo gravelly loamy coarse sand	0-15	2-7	1.35-1.50	42.00-141.00	0.05-0.07	0.0-2.9	1.5-7.0
	15-75	2-7	1.40-1.55	141.00-212.00	0.04-0.08	0.0-2.9	0.0-0.5
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7462:							
Jabu	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-7	4-9	0.80-1.50	42.00-141.00	0.10-0.13	0.5-2.0	2.0-6.0
	7-21	7-12	1.25-1.60	14.00-42.00	0.10-0.13	0.1-0.5	0.5-2.0
	21-46	8-15	1.25-1.75	14.00-42.00	0.06-0.13	0.1-0.5	0.2-0.8
	46-67	3-10	1.60-2.00	0.42-1.40	0.10-0.14	0.1-0.5	0.1-0.4
	67-73	2-18	1.40-1.80	14.00-42.00	0.10-0.13	0.1-0.5	0.1-0.4
	73-101	2-15	1.50-1.90	0.10-1.00	0.10-0.13	0.1-0.5	0.1-0.4
Christopher loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-8	0-5	1.20-1.60	42.00-141.00	0.10-0.12	0.0-3.0	1.0-5.0
	8-26	0-5	1.25-1.65	42.00-141.00	0.09-0.11	0.0-3.0	0.2-1.0
	26-42	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
	42-61	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
Oneidas	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-9	4-12	0.90-1.20	42.00-141.00	0.04-0.06	0.0-0.5	2.0-6.0
	9-12	7-15	1.40-1.50	14.00-42.00	0.06-0.09	0.0-1.0	0.5-2.0
	12-65	7-18	1.65-1.75	0.42-1.00	0.06-0.09	0.0-1.0	0.1-0.4
	65-79	2-15	1.70-1.80	14.00-42.00	0.09-0.12	0.0-0.5	0.1-0.4
Gefo gravelly loamy coarse sand	0-15	2-7	1.35-1.50	42.00-141.00	0.05-0.07	0.0-2.9	1.5-7.0
	15-75	2-7	1.40-1.55	141.00-212.00	0.04-0.08	0.0-2.9	0.0-0.5
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
7471:							
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
Christopher loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-8	0-5	1.20-1.60	42.00-141.00	0.10-0.12	0.0-3.0	1.0-5.0
	8-26	0-5	1.25-1.65	42.00-141.00	0.09-0.11	0.0-3.0	0.2-1.0
	26-42	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
	42-61	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
Gefo gravelly loamy coarse sand	0-15	2-7	1.35-1.50	42.00-141.00	0.05-0.07	0.0-2.9	1.5-7.0
	15-75	2-7	1.40-1.55	141.00-212.00	0.04-0.08	0.0-2.9	0.0-0.5
Tahoe silt loam	0-3	---	0.10-0.20	100.00-300.00	---	---	---
	3-11	5-25	0.70-1.05	1.00-10.00	0.19-0.24	0.0-2.9	10-20
	11-15	5-25	0.70-1.05	1.00-10.00	0.17-0.22	0.0-2.9	10-20
	15-20	0-3	1.05-1.35	10.00-100.00	0.02-0.04	0.0-2.9	5.0-10
	20-30	5-25	0.80-1.10	1.00-10.00	0.20-0.22	0.0-2.9	8.0-20
	30-49	0-15	1.40-1.80	10.00-100.00	0.14-0.19	0.0-2.9	0.2-1.5
	49-59	0-8	1.40-1.80	10.00-100.00	0.08-0.10	0.0-2.9	0.5-1.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7471:							
Ubaj	0	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	0-7	10-20	1.50-1.60	10.00-100.00	0.13-0.15	0.0-2.9	2.0-8.0
	7-17	10-20	1.50-1.60	10.00-100.00	0.13-0.15	3.0-5.9	1.0-6.0
	17-28	20-30	1.45-1.55	1.00-10.00	0.16-0.18	3.0-5.9	0.5-2.0
	28-42	27-40	1.40-1.50	1.00-10.00	0.15-0.19	3.0-5.9	0.2-1.5
	42-49	40-50	1.35-1.45	0.10-1.00	0.09-0.11	6.0-8.9	0.1-1.0
	49-120	40-50	1.35-1.45	0.10-1.00	0.08-0.10	6.0-8.9	0.0-0.8
Watah	0-3	0	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-8	0	0.10-0.20	100.00-200.00	0.45-0.55	---	70-90
	8-15	0-8	1.50-1.60	10.00-100.00	0.09-0.11	0.5-2.0	10-21
	15-63	0-8	1.60-1.70	10.00-100.00	0.02-0.03	0.0-1.0	0.0-2.0
7481:							
Meeks, stony	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Celio	0-8	0-5	1.25-1.35	42.00-141.00	0.07-0.09	0.0-2.9	4.0-8.0
	8-16	0-5	1.25-1.35	42.00-141.00	0.05-0.06	0.0-2.9	2.0-6.0
	16-23	0-5	1.40-1.50	42.00-141.00	0.04-0.06	0.0-2.9	1.0-3.0
	23-45	0-5	1.40-1.50	42.00-141.00	0.01-0.02	0.0-2.9	0.2-1.5
	45-56	---	---	---	---	---	---
	56-80	0-5	1.65-1.75	14.00-42.00	0.00	0.0-2.9	0.0-0.5
Gefo gravelly loamy coarse sand	0-15	2-7	1.35-1.50	42.00-141.00	0.05-0.07	0.0-2.9	1.5-7.0
	15-75	2-7	1.40-1.55	141.00-212.00	0.04-0.08	0.0-2.9	0.0-0.5
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
7482:							
Meeks, stony	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Oneidas	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-9	4-12	0.90-1.20	42.00-141.00	0.04-0.06	0.0-0.5	2.0-6.0
	9-12	7-15	1.40-1.50	14.00-42.00	0.06-0.09	0.0-1.0	0.5-2.0
	12-65	7-18	1.65-1.75	0.42-1.00	0.06-0.09	0.0-1.0	0.1-0.4
	65-79	2-15	1.70-1.80	14.00-42.00	0.09-0.12	0.0-0.5	0.1-0.4

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7482:							
Celio	0-8	0-5	1.25-1.35	42.00-141.00	0.07-0.09	0.0-2.9	4.0-8.0
	8-16	0-5	1.25-1.35	42.00-141.00	0.05-0.06	0.0-2.9	2.0-6.0
	16-23	0-5	1.40-1.50	42.00-141.00	0.04-0.06	0.0-2.9	1.0-3.0
	23-45	0-5	1.40-1.50	42.00-141.00	0.01-0.02	0.0-2.9	0.2-1.5
	45-56	---	---	---	---	---	---
	56-80	0-5	1.65-1.75	14.00-42.00	0.00	0.0-2.9	0.0-0.5
7483:							
Meeks, very stony	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Celio	0-8	0-5	1.25-1.35	42.00-141.00	0.07-0.09	0.0-2.9	4.0-8.0
	8-16	0-5	1.25-1.35	42.00-141.00	0.05-0.06	0.0-2.9	2.0-6.0
	16-23	0-5	1.40-1.50	42.00-141.00	0.04-0.06	0.0-2.9	1.0-3.0
	23-45	0-5	1.40-1.50	42.00-141.00	0.01-0.02	0.0-2.9	0.2-1.5
	45-56	---	---	---	---	---	---
	56-80	0-5	1.65-1.75	14.00-42.00	0.00	0.0-2.9	0.0-0.5
Jabu	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-7	4-9	0.80-1.50	42.00-141.00	0.10-0.13	0.5-2.0	2.0-6.0
	7-21	7-12	1.25-1.60	14.00-42.00	0.10-0.13	0.1-0.5	0.5-2.0
	21-46	8-15	1.25-1.75	14.00-42.00	0.06-0.13	0.1-0.5	0.2-0.8
	46-67	3-10	1.60-2.00	0.42-1.40	0.10-0.14	0.1-0.5	0.1-0.4
	67-73	2-18	1.40-1.80	14.00-42.00	0.10-0.13	0.1-0.5	0.1-0.4
	73-101	2-15	1.50-1.90	0.10-1.00	0.10-0.13	0.1-0.5	0.1-0.4
7484:							
Meeks, extremely bouldery	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Burnlake	0-2	8-15	1.35-1.55	14.00-42.00	0.10-0.12	0.0-2.9	2.0-4.0
	2-17	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	2.0-4.0
	17-26	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	26-60	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Meeks, rubbly	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Dagget, moist	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Tallac, very stony	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7484:							
Roadcat	0-8	3-10	1.35-1.55	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	8-19	8-12	1.35-1.55	42.00-141.00	0.04-0.08	0.0-2.9	0.5-1.0
	19-36	3-10	1.40-1.60	42.00-141.00	0.03-0.05	0.0-2.9	0.2-0.8
	36-60	3-10	1.40-1.60	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
Jabu	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-7	4-9	0.80-1.50	42.00-141.00	0.10-0.13	0.5-2.0	2.0-6.0
	7-21	7-12	1.25-1.60	14.00-42.00	0.10-0.13	0.1-0.5	0.5-2.0
	21-46	8-15	1.25-1.75	14.00-42.00	0.06-0.13	0.1-0.5	0.2-0.8
	46-67	3-10	1.60-2.00	0.42-1.40	0.10-0.14	0.1-0.5	0.1-0.4
	67-73	2-18	1.40-1.80	14.00-42.00	0.10-0.13	0.1-0.5	0.1-0.4
	73-101	2-15	1.50-1.90	0.10-1.00	0.10-0.13	0.1-0.5	0.1-0.4
7485:							
Meeks, extremely bouldery	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Burnlake	0-2	8-15	1.35-1.55	14.00-42.00	0.10-0.12	0.0-2.9	2.0-4.0
	2-17	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	2.0-4.0
	17-26	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	26-60	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Meeks, rubbly	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Dagget, moist	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Tallac, very stony	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5
Roadcat	0-8	3-10	1.35-1.55	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	8-19	8-12	1.35-1.55	42.00-141.00	0.04-0.08	0.0-2.9	0.5-1.0
	19-36	3-10	1.40-1.60	42.00-141.00	0.03-0.05	0.0-2.9	0.2-0.8
	36-60	3-10	1.40-1.60	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7485:							
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
Jabu	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-7	4-9	0.80-1.50	42.00-141.00	0.10-0.13	0.5-2.0	2.0-6.0
	7-21	7-12	1.25-1.60	14.00-42.00	0.10-0.13	0.1-0.5	0.5-2.0
	21-46	8-15	1.25-1.75	14.00-42.00	0.06-0.13	0.1-0.5	0.2-0.8
	46-67	3-10	1.60-2.00	0.42-1.40	0.10-0.14	0.1-0.5	0.1-0.4
	67-73	2-18	1.40-1.80	14.00-42.00	0.10-0.13	0.1-0.5	0.1-0.4
	73-101	2-15	1.50-1.90	0.10-1.00	0.10-0.13	0.1-0.5	0.1-0.4
7486:							
Meeks, extremely bouldery	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Burnlake	0-2	8-15	1.35-1.55	14.00-42.00	0.10-0.12	0.0-2.9	2.0-4.0
	2-17	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	2.0-4.0
	17-26	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	26-60	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Meeks, rubbly	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Dagget, moist	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Tallac, very stony	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5
Roadcat	0-8	3-10	1.35-1.55	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	8-19	8-12	1.35-1.55	42.00-141.00	0.04-0.08	0.0-2.9	0.5-1.0
	19-36	3-10	1.40-1.60	42.00-141.00	0.03-0.05	0.0-2.9	0.2-0.8
	36-60	3-10	1.40-1.60	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7486:							
Jabu	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-7	4-9	0.80-1.50	42.00-141.00	0.10-0.13	0.5-2.0	2.0-6.0
	7-21	7-12	1.25-1.60	14.00-42.00	0.10-0.13	0.1-0.5	0.5-2.0
	21-46	8-15	1.25-1.75	14.00-42.00	0.06-0.13	0.1-0.5	0.2-0.8
	46-67	3-10	1.60-2.00	0.42-1.40	0.10-0.14	0.1-0.5	0.1-0.4
	67-73	2-18	1.40-1.80	14.00-42.00	0.10-0.13	0.1-0.5	0.1-0.4
	73-101	2-15	1.50-1.90	0.10-1.00	0.10-0.13	0.1-0.5	0.1-0.4
7487:							
Meeks, rubbly	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Burnlake	0-2	8-15	1.35-1.55	14.00-42.00	0.10-0.12	0.0-2.9	2.0-4.0
	2-17	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	2.0-4.0
	17-26	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	26-60	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Rockbound very gravelly loam	0-6	3-12	0.90-1.30	14.00-42.00	0.13-0.15	0.0-1.0	5.0-12
	6-8	3-12	1.20-1.50	14.00-42.00	0.11-0.15	0.0-1.0	2.0-5.0
	8-20	---	---	0.00	---	---	---
Roadcat	0-8	3-10	1.35-1.55	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	8-19	8-12	1.35-1.55	42.00-141.00	0.04-0.08	0.0-2.9	0.5-1.0
	19-36	3-10	1.40-1.60	42.00-141.00	0.03-0.05	0.0-2.9	0.2-0.8
	36-60	3-10	1.40-1.60	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
Rock outcrop.							
Rubble land.							
7488:							
Meeks, rubbly	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7488:							
Burnlake	0-2	8-15	1.35-1.55	14.00-42.00	0.10-0.12	0.0-2.9	2.0-4.0
	2-17	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	2.0-4.0
	17-26	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	26-60	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Rockbound very gravelly loam	0-6	3-12	0.90-1.30	14.00-42.00	0.13-0.15	0.0-1.0	5.0-12
	6-8	3-12	1.20-1.50	14.00-42.00	0.11-0.15	0.0-1.0	2.0-5.0
	8-20	---	---	0.00	---	---	---
Roadcat	0-8	3-10	1.35-1.55	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	8-19	8-12	1.35-1.55	42.00-141.00	0.04-0.08	0.0-2.9	0.5-1.0
	19-36	3-10	1.40-1.60	42.00-141.00	0.03-0.05	0.0-2.9	0.2-0.8
	36-60	3-10	1.40-1.60	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
Rock outcrop.							
Rubble land.							
7489:							
Meeks, rubbly	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Burnlake	0-2	8-15	1.35-1.55	14.00-42.00	0.10-0.12	0.0-2.9	2.0-4.0
	2-17	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	2.0-4.0
	17-26	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	26-60	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Rockbound very stony loam	0-2	0-5	0.85-1.20	100.00-200.00	0.02-0.03	0.00	8.0-15
	2-5	0-5	1.30-1.80	100.00-200.00	0.01-0.02	0.0-0.1	0.5-5.0
	5-17	0-5	1.30-1.80	100.00-200.00	0.01-0.02	0.0-0.1	0.5-5.0
	17-27	---	---	0.00	---	---	---
Roadcat	0-8	3-10	1.35-1.55	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	8-19	8-12	1.35-1.55	42.00-141.00	0.04-0.08	0.0-2.9	0.5-1.0
	19-36	3-10	1.40-1.60	42.00-141.00	0.03-0.05	0.0-2.9	0.2-0.8
	36-60	3-10	1.40-1.60	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7489:							
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Rock outcrop.							
Rubble land.							
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
7491:							
Oneidas	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-9	4-12	0.90-1.20	42.00-141.00	0.04-0.06	0.0-0.5	2.0-6.0
	9-12	7-15	1.40-1.50	14.00-42.00	0.06-0.09	0.0-1.0	0.5-2.0
	12-65	7-18	1.65-1.75	0.42-1.00	0.06-0.09	0.0-1.0	0.1-0.4
	65-79	2-15	1.70-1.80	14.00-42.00	0.09-0.12	0.0-0.5	0.1-0.4
Jabu	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-7	4-9	0.80-1.50	42.00-141.00	0.10-0.13	0.5-2.0	2.0-6.0
	7-21	7-12	1.25-1.60	14.00-42.00	0.10-0.13	0.1-0.5	0.5-2.0
	21-46	8-15	1.25-1.75	14.00-42.00	0.06-0.13	0.1-0.5	0.2-0.8
	46-67	3-10	1.60-2.00	0.42-1.40	0.10-0.14	0.1-0.5	0.1-0.4
	67-73	2-18	1.40-1.80	14.00-42.00	0.10-0.13	0.1-0.5	0.1-0.4
	73-101	2-15	1.50-1.90	0.10-1.00	0.10-0.13	0.1-0.5	0.1-0.4
Christopher loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-8	0-5	1.20-1.60	42.00-141.00	0.10-0.12	0.0-3.0	1.0-5.0
	8-26	0-5	1.25-1.65	42.00-141.00	0.09-0.11	0.0-3.0	0.2-1.0
	26-42	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
	42-61	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
Meeks, stony	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Gefo gravelly loamy coarse sand	0-15	2-7	1.35-1.50	42.00-141.00	0.05-0.07	0.0-2.9	1.5-7.0
	15-75	2-7	1.40-1.55	141.00-212.00	0.04-0.08	0.0-2.9	0.0-0.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7491:							
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
7492:							
Oneidas	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-9	4-12	0.90-1.20	42.00-141.00	0.04-0.06	0.0-0.5	2.0-6.0
	9-12	7-15	1.40-1.50	14.00-42.00	0.06-0.09	0.0-1.0	0.5-2.0
	12-65	7-18	1.65-1.75	0.42-1.00	0.06-0.09	0.0-1.0	0.1-0.4
	65-79	2-15	1.70-1.80	14.00-42.00	0.09-0.12	0.0-0.5	0.1-0.4
Jabu	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-7	4-9	0.80-1.50	42.00-141.00	0.10-0.13	0.5-2.0	2.0-6.0
	7-21	7-12	1.25-1.60	14.00-42.00	0.10-0.13	0.1-0.5	0.5-2.0
	21-46	8-15	1.25-1.75	14.00-42.00	0.06-0.13	0.1-0.5	0.2-0.8
	46-67	3-10	1.60-2.00	0.42-1.40	0.10-0.14	0.1-0.5	0.1-0.4
	67-73	2-18	1.40-1.80	14.00-42.00	0.10-0.13	0.1-0.5	0.1-0.4
	73-101	2-15	1.50-1.90	0.10-1.00	0.10-0.13	0.1-0.5	0.1-0.4
Christopher loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-8	0-5	1.20-1.60	42.00-141.00	0.10-0.12	0.0-3.0	1.0-5.0
	8-26	0-5	1.25-1.65	42.00-141.00	0.09-0.11	0.0-3.0	0.2-1.0
	26-42	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
	42-61	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
Meeks, stony	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Gefo gravelly loamy coarse sand	0-15	2-7	1.35-1.50	42.00-141.00	0.05-0.07	0.0-2.9	1.5-7.0
	15-75	2-7	1.40-1.55	141.00-212.00	0.04-0.08	0.0-2.9	0.0-0.5
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
7500:							
Rock outcrop, granitic.							
Rockbound very stony loam	0-2	0-5	0.85-1.20	100.00-200.00	0.02-0.03	0.00	8.0-15
	2-5	0-5	1.30-1.80	100.00-200.00	0.01-0.02	0.0-0.1	0.5-5.0
	5-17	0-5	1.30-1.80	100.00-200.00	0.01-0.02	0.0-0.1	0.5-5.0
	17-27	---	---	0.00	---	---	---
Rubble land.							
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
Windyridge	0-2	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	2-10	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	10-20	---	---	0.10-10.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7500:							
Freelpeak	0-2	0-1	1.70-1.80	141.00-705.00	0.00-0.01	0.0-0.1	0.0-0.0
	2-4	0-6	1.70-1.80	42.00-141.00	0.01-0.01	0.0-0.1	1.0-5.0
	4-8	0-6	1.60-1.70	42.00-141.00	0.03-0.05	0.0-0.1	0.5-1.0
	8-36	0-6	1.55-1.65	42.00-141.00	0.05-0.07	0.0-0.2	0.2-1.0
	36-46	---	---	0.10-10.00	0.00	---	---
Jobsis	0-1	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	1-5	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	5-9	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-12	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	12-17	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	17-20	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	20-30	---	---	0.10-10.00	---	---	---
7501:							
Rock outcrop, granitic.							
Rockbound very gravelly loam	0-6	3-12	0.90-1.30	14.00-42.00	0.13-0.15	0.0-1.0	5.0-12
	6-8	3-12	1.20-1.50	14.00-42.00	0.11-0.15	0.0-1.0	2.0-5.0
	8-20	---	---	0.00	---	---	---
Dagget, moist	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Meeks, rubbly	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Temo	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---
Witefels	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---
7502:							
Rock outcrop, granitic.							
Rockbound very stony loam	0-2	0-5	0.85-1.20	100.00-200.00	0.02-0.03	0.00	8.0-15
	2-5	0-5	1.30-1.80	100.00-200.00	0.01-0.02	0.0-0.1	0.5-5.0
	5-17	0-5	1.30-1.80	100.00-200.00	0.01-0.02	0.0-0.1	0.5-5.0
	17-27	---	---	0.00	---	---	---
Dagget, moist	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Glenalpine	0-11	5-15	1.50-1.60	100.00-200.00	0.10-0.11	0.3-1.0	3.0-8.0
	11-40	5-15	1.50-1.60	100.00-200.00	0.05-0.06	0.3-1.0	1.0-5.0
	40-50	2-10	1.50-1.60	100.00-200.00	0.05-0.06	0.0-0.5	0.5-2.0
	50-59	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Rubble land.							

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7502:							
Temo	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---
Witefels	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---
7511:							
Shalgran	0-3	2-8	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	2.0-4.0
	3-14	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	0.2-0.8
	14-24	---	---	0.10-10.00	---	---	---
Rock outcrop.							
Sofgran	0-3	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	3-6	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	6-9	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-19	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	19-27	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	27-45	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	45-60	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Dystric Xerorthents	0-3	2-8	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	2.0-4.0
	3-38	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	0.2-0.8
	38-41	---	---	0.42-141.00	---	---	---
Burnlake	0-2	8-15	1.35-1.55	14.00-42.00	0.10-0.12	0.0-2.9	2.0-4.0
	2-17	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	2.0-4.0
	17-26	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	26-60	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Jobsis	0-5	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	5-9	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-17	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	17-20	4-8	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	20-30	---	---	0.10-10.00	---	---	---
Temo	0-10	2-8	1.55-1.70	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	10-16	2-8	1.55-1.75	42.00-141.00	0.05-0.07	0.0-2.9	0.0-0.5
	16-26	---	---	0.10-10.00	---	---	---
7521:							
Tallac, very stony	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5
Tallac, rubbly	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7521:							
Tallac, moderately well drained	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5
Meeks, extremely bouldery	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
7522:							
Tallac, very stony	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5
Meeks, extremely bouldery	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Dagget, moist	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7522:							
Rockbound very gravelly loam	0-6	3-12	0.90-1.30	14.00-42.00	0.13-0.15	0.0-1.0	5.0-12
	6-8	3-12	1.20-1.50	14.00-42.00	0.11-0.15	0.0-1.0	2.0-5.0
	8-20	---	---	0.00	---	---	---
7523:							
Tallac, very stony	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5
Meeks, extremely bouldery	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Dagget, moist	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Rockbound very stony loam	0-2	0-5	0.85-1.20	100.00-200.00	0.02-0.03	0.00	8.0-15
	2-5	0-5	1.30-1.80	100.00-200.00	0.01-0.02	0.0-0.1	0.5-5.0
	5-17	0-5	1.30-1.80	100.00-200.00	0.01-0.02	0.0-0.1	0.5-5.0
	17-27	---	---	0.00	---	---	---
7524:							
Tallac, moderately well drained	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7524:							
Tallac, moderately well drained, 5 to 9 percent slopes	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5
Meeks, very stony	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Callat	0	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	0-9	0-10	1.30-1.40	14.00-42.00	0.07-0.09	0.0-1.0	3.0-10
	9-15	0-10	1.35-1.45	14.00-42.00	0.06-0.07	0.0-1.0	1.0-5.0
	15-24	0-10	1.45-1.55	14.00-42.00	0.05-0.06	0.0-1.0	0.5-1.2
	24-41	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
7525:							
Tallac, moderately well drained	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5
Tallac, moderately well drained, 0 to 5 percent slopes	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5
Meeks, extremely bouldery	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Callat	0	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	0-9	0-10	1.30-1.40	14.00-42.00	0.07-0.09	0.0-1.0	3.0-10
	9-15	0-10	1.35-1.45	14.00-42.00	0.06-0.07	0.0-1.0	1.0-5.0
	15-24	0-10	1.45-1.55	14.00-42.00	0.05-0.06	0.0-1.0	0.5-1.2
	24-41	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7526:							
Tallac, rubbly	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5
Tallac, moderately well drained	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5
Tallac, very stony	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5
Aquic Xerorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
7531:							
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
Rock outcrop, granitic.							
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
7532:							
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
Rock outcrop, granitic.							

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7532:							
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
Dagget very gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
7533:							
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
Rock outcrop, granitic.							
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-6	0-5	0.75-1.40	14.00-42.00	0.07-0.09	0.1-0.5	5.0-12
	6-43	0-5	1.25-1.45	14.00-42.00	0.06-0.08	0.1-0.5	1.0-5.0
	43-79	0-5	1.35-1.60	14.00-42.00	0.05-0.07	0.1-0.5	0.0-1.0
7541:							
Ubaj	0	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	0-7	10-20	1.50-1.60	10.00-100.00	0.13-0.15	0.0-2.9	2.0-8.0
	7-17	10-20	1.50-1.60	10.00-100.00	0.13-0.15	3.0-5.9	1.0-6.0
	17-28	20-30	1.45-1.55	1.00-10.00	0.16-0.18	3.0-5.9	0.5-2.0
	28-42	27-40	1.40-1.50	1.00-10.00	0.15-0.19	3.0-5.9	0.2-1.5
	42-49	40-50	1.35-1.45	0.10-1.00	0.09-0.11	6.0-8.9	0.1-1.0
	49-120	40-50	1.35-1.45	0.10-1.00	0.08-0.10	6.0-8.9	0.0-0.8
Christopher loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-8	0-5	1.20-1.60	42.00-141.00	0.10-0.12	0.0-3.0	1.0-5.0
	8-26	0-5	1.25-1.65	42.00-141.00	0.09-0.11	0.0-3.0	0.2-1.0
	26-42	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
	42-61	1-5	1.30-1.70	42.00-141.00	0.09-0.11	0.0-3.0	0.2-0.8
Jabu	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-7	4-9	0.80-1.50	42.00-141.00	0.10-0.13	0.5-2.0	2.0-6.0
	7-21	7-12	1.25-1.60	14.00-42.00	0.10-0.13	0.1-0.5	0.5-2.0
	21-46	8-15	1.25-1.75	14.00-42.00	0.06-0.13	0.1-0.5	0.2-0.8
	46-67	3-10	1.60-2.00	0.42-1.40	0.10-0.14	0.1-0.5	0.1-0.4
	67-73	2-18	1.40-1.80	14.00-42.00	0.10-0.13	0.1-0.5	0.1-0.4
	73-101	2-15	1.50-1.90	0.10-1.00	0.10-0.13	0.1-0.5	0.1-0.4

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
7541:							
Oneidas	0-1	0	0.02-0.09	100.00-705.00	0.55-0.65	0.00	70-90
	1-9	4-12	0.90-1.20	42.00-141.00	0.04-0.06	0.0-0.5	2.0-6.0
	9-12	7-15	1.40-1.50	14.00-42.00	0.06-0.09	0.0-1.0	0.5-2.0
	12-65	7-18	1.65-1.75	0.42-1.00	0.06-0.09	0.0-1.0	0.1-0.4
	65-79	2-15	1.70-1.80	14.00-42.00	0.09-0.12	0.0-0.5	0.1-0.4
Gefo gravelly loamy coarse sand	0-15	2-7	1.35-1.50	42.00-141.00	0.05-0.07	0.0-2.9	1.5-7.0
	15-75	2-7	1.40-1.55	141.00-212.00	0.04-0.08	0.0-2.9	0.0-0.5
Marla	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
9001:							
Bidart mucky silt loam	0-3	---	0.40-0.70	100.00-300.00	---	---	---
	3-9	1-15	0.70-1.00	10.00-100.00	0.19-0.24	0.0-1.0	10-20
	9-16	0-15	0.95-1.50	10.00-100.00	0.17-0.22	0.0-0.5	1.0-10
	16-17	0-3	1.50-1.85	10.00-100.00	0.00-0.03	0.0-0.1	0.0-2.0
	17-39	1-15	0.95-1.60	10.00-100.00	0.14-0.19	0.0-0.5	1.0-10
	39-59	0-15	0.95-1.60	10.00-100.00	0.09-0.13	0.0-0.5	1.0-10
Bidart, wet	0-3	---	0.40-0.70	100.00-300.00	---	---	---
	3-9	1-15	0.70-1.00	10.00-100.00	0.19-0.24	0.0-1.0	10-20
	9-16	0-15	0.95-1.50	10.00-100.00	0.17-0.22	0.0-0.5	1.0-10
	16-17	0-3	1.50-1.85	10.00-100.00	0.00-0.03	0.0-0.1	0.0-2.0
	17-39	1-15	0.95-1.60	10.00-100.00	0.14-0.19	0.0-0.5	1.0-10
	39-59	0-15	0.95-1.60	10.00-100.00	0.09-0.13	0.0-0.5	1.0-10
Tahoe, gravelly	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
Tahoe silt loam	0-3	---	0.10-0.20	100.00-300.00	---	---	---
	3-11	5-25	0.70-1.05	1.00-10.00	0.19-0.24	0.0-2.9	10-20
	11-15	5-25	0.70-1.05	1.00-10.00	0.17-0.22	0.0-2.9	10-20
	15-20	0-3	1.05-1.35	10.00-100.00	0.02-0.04	0.0-2.9	5.0-10
	20-30	5-25	0.80-1.10	1.00-10.00	0.20-0.22	0.0-2.9	8.0-20
	30-49	0-15	1.40-1.80	10.00-100.00	0.14-0.19	0.0-2.9	0.2-1.5
	49-59	0-8	1.40-1.80	10.00-100.00	0.08-0.10	0.0-2.9	0.5-1.5
Watah	0-3	0	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-8	0	0.10-0.20	100.00-200.00	0.45-0.55	---	70-90
	8-15	0-8	1.50-1.60	10.00-100.00	0.09-0.11	0.5-2.0	10-21
	15-63	0-8	1.60-1.70	10.00-100.00	0.02-0.03	0.0-1.0	0.0-2.0
Water.							
Hellhole	0-11	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	11-59	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	59-118	---	0.10-0.20	42.00-141.00	0.45-0.55	---	70-90

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9011:							
Oxyaquic Cryorthents---------	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
Aquic Xerorthents------------	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-1	0-20	0.40-0.70	100.00-200.00	---	---	45-75
	1-4	0-20	0.80-1.30	10.00-100.00	0.12-0.14	0.0-2.0	5.0-15
	4-9	0-20	1.05-1.50	10.00-100.00	0.12-0.14	0.0-2.0	2.0-8.0
	9-14	0-20	1.20-1.60	10.00-100.00	0.09-0.11	0.0-2.0	1.0-5.0
	14-29	0-20	1.30-1.65	10.00-100.00	0.11-0.13	0.0-2.0	0.5-3.0
	29-41	0-20	1.40-1.65	10.00-100.00	0.08-0.09	0.0-2.0	0.2-1.5
	41-45	0-15	1.45-1.70	10.00-100.00	0.05-0.07	0.0-1.5	0.2-1.5
	45-59	0-20	1.40-1.65	10.00-100.00	0.12-0.14	0.0-3.0	0.2-1.5
Tahoe, gravelly--------------	0-10	8-25	0.80-1.00	10.00-100.00	0.22-0.24	0.0-2.0	6.0-20
	10-27	8-25	0.85-1.05	10.00-100.00	0.16-0.18	0.0-2.0	6.0-15
	27-32	0-12	1.60-1.70	100.00-200.00	0.05-0.07	0.0-0.4	1.0-5.0
	32-46	0-8	1.60-1.70	100.00-200.00	0.00	0.0-0.4	0.5-2.0
Bidart mucky silt loam-------	0-3	---	0.40-0.70	100.00-300.00	---	---	---
	3-9	1-15	0.70-1.00	10.00-100.00	0.19-0.24	0.0-1.0	10-20
	9-16	0-15	0.95-1.50	10.00-100.00	0.17-0.22	0.0-0.5	1.0-10
	16-17	0-3	1.50-1.85	10.00-100.00	0.00-0.03	0.0-0.1	0.0-2.0
	17-39	1-15	0.95-1.60	10.00-100.00	0.14-0.19	0.0-0.5	1.0-10
	39-59	0-15	0.95-1.60	10.00-100.00	0.09-0.13	0.0-0.5	1.0-10
Watah------------------------	0-3	0	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-8	0	0.10-0.20	100.00-200.00	0.45-0.55	---	70-90
	8-15	0-8	1.50-1.60	10.00-100.00	0.09-0.11	0.5-2.0	10-21
	15-63	0-8	1.60-1.70	10.00-100.00	0.02-0.03	0.0-1.0	0.0-2.0
Marla------------------------	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	2-7	1.10-1.65	14.00-42.00	0.07-0.09	0.0-1.0	1.0-8.0
	14-47	2-7	1.45-1.70	14.00-42.00	0.06-0.08	0.0-1.0	0.2-1.0
	47-59	27-35	1.40-1.70	1.00-10.00	0.12-0.15	3.0-5.9	0.0-0.5
	59-68	0-20	1.45-1.70	10.00-50.00	0.10-0.15	0.5-1.5	0.0-0.5
Riverwash.							
9101:							
Callat-----------------------	0	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	0-9	0-10	1.30-1.40	14.00-42.00	0.07-0.09	0.0-1.0	3.0-10
	9-15	0-10	1.35-1.45	14.00-42.00	0.06-0.07	0.0-1.0	1.0-5.0
	15-24	0-10	1.45-1.55	14.00-42.00	0.05-0.06	0.0-1.0	0.5-1.2
	24-41	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Glenalpine-------------------	0-11	5-15	1.50-1.60	100.00-200.00	0.10-0.11	0.3-1.0	3.0-8.0
	11-40	5-15	1.50-1.60	100.00-200.00	0.05-0.06	0.3-1.0	1.0-5.0
	40-50	2-10	1.50-1.60	100.00-200.00	0.05-0.06	0.0-0.5	0.5-2.0
	50-59	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Meeks, extremely bouldery----	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9101:							
Tallac, very stony----------	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5
Rock outcrop.							
Oxyaquic Cryorthents---------	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
9102:							
Callat----------	0	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	0-9	0-10	1.30-1.40	14.00-42.00	0.07-0.09	0.0-1.0	3.0-10
	9-15	0-10	1.35-1.45	14.00-42.00	0.06-0.07	0.0-1.0	1.0-5.0
	15-24	0-10	1.45-1.55	14.00-42.00	0.05-0.06	0.0-1.0	0.5-1.2
	24-41	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Glenalpine----------	0-11	5-15	1.50-1.60	100.00-200.00	0.10-0.11	0.3-1.0	3.0-8.0
	11-40	5-15	1.50-1.60	100.00-200.00	0.05-0.06	0.3-1.0	1.0-5.0
	40-50	2-10	1.50-1.60	100.00-200.00	0.05-0.06	0.0-0.5	0.5-2.0
	50-59	0-10	2.20-2.40	0.01-0.10	0.00	0.0-1.0	0.0-1.0
Meeks, extremely bouldery----	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-13	0-10	1.10-1.25	75.00-200.00	0.02-0.04	0.0-2.9	2.0-8.0
	13-63	0-10	1.30-1.50	75.00-200.00	0.02-0.04	0.0-2.9	0.5-3.0
	63-73	0-10	1.80-1.90	0.42-1.40	0.00	0.0-2.9	0.5-2.0
Tallac, very stony----------	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-22	3-9	0.90-1.10	14.00-42.00	0.06-0.08	0.0-2.9	3.0-10
	22-32	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	1.0-3.0
	32-43	3-9	1.45-1.55	14.00-42.00	0.03-0.06	0.0-2.9	0.5-1.5
	43-66	3-9	1.70-1.80	0.42-1.40	0.00	0.0-2.9	0.5-1.5
Rock outcrop.							
Oxyaquic Cryorthents---------	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9111:							
Florand	0-1	10-18	0.80-1.00	14.00-42.00	0.09-0.13	0.0-2.9	10-18
	1-4	10-18	1.20-1.30	14.00-42.00	0.09-0.13	0.0-2.9	5.0-10
	4-12	10-18	1.25-1.35	14.00-42.00	0.09-0.13	0.0-2.9	4.0-8.0
	12-18	10-18	1.25-1.35	14.00-42.00	0.09-0.13	0.0-2.9	2.0-4.0
	18-28	12-20	1.30-1.50	14.00-42.00	0.09-0.13	0.0-2.9	0.5-1.0
	28-38	12-20	1.30-1.50	14.00-42.00	0.09-0.13	0.0-2.9	0.2-0.8
	38-47	12-20	1.35-1.55	14.00-42.00	0.09-0.13	0.0-2.9	0.0-0.5
	47-57	---	---	0.42-141.00	---	---	---
Lostridge	0-3	10-18	1.20-1.30	14.00-42.00	0.09-0.13	0.0-2.9	5.0-10
	3-11	10-18	1.20-1.30	14.00-42.00	0.09-0.13	0.0-2.9	2.0-4.0
	11-23	12-18	1.30-1.50	14.00-42.00	0.09-0.13	0.0-2.9	0.5-1.0
	23-29	10-18	1.30-1.50	14.00-42.00	0.09-0.13	0.0-2.9	0.0-0.8
	29-39	---	---	0.42-141.00	---	---	---
Fishsnooze	0-1	10-18	0.80-1.00	14.00-42.00	0.09-0.13	0.0-2.9	10-18
	1-9	10-18	1.20-1.30	14.00-42.00	0.09-0.13	0.0-2.9	5.0-10
	9-13	10-18	1.25-1.35	14.00-42.00	0.09-0.13	0.0-2.9	2.0-4.0
	13-35	12-18	1.30-1.50	14.00-42.00	0.05-0.07	0.0-2.9	0.5-1.0
	35-45	---	---	0.00-0.01	---	---	---
Aquic Haplocryolls	0-12	8-15	1.20-1.30	14.00-42.00	0.10-0.12	0.0-2.9	4.0-10
	12-30	8-15	1.25-1.40	14.00-42.00	0.04-0.08	0.0-2.9	4.0-6.0
	30-39	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	39-60	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Lithnip, moist	0-1	10-18	1.25-1.35	14.00-42.00	0.03-0.06	0.0-2.9	1.0-2.0
	1-5	12-18	1.25-1.35	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	5-15	---	---	0.00-0.01	---	---	---
Stumpatil	0-6	8-15	1.30-1.50	14.00-42.00	0.10-0.12	0.0-2.9	3.0-5.0
	6-11	8-15	1.35-1.55	14.00-42.00	0.06-0.08	0.0-2.9	2.0-3.0
	11-26	10-15	1.35-1.55	14.00-42.00	0.06-0.08	0.0-2.9	0.5-1.0
	26-33	13-18	1.35-1.55	14.00-42.00	0.06-0.08	0.0-2.9	0.2-0.8
	33-60	13-18	1.70-1.80	4.00-14.00	0.06-0.08	0.0-2.9	0.0-0.5
Lithnip	0-1	10-18	1.25-1.35	14.00-42.00	0.03-0.06	0.0-2.9	1.0-2.0
	1-5	12-18	1.25-1.35	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	5-15	---	---	0.00-0.01	---	---	---
Morscour	0-2	12-18	1.30-1.50	14.00-42.00	0.10-0.12	0.0-2.9	2.0-4.0
	2-7	12-18	1.35-1.55	14.00-42.00	0.06-0.08	0.0-2.9	2.0-4.0
	7-14	---	---	0.42-141.00	---	---	---
	14-24	---	---	0.00-0.01	---	---	---
Typic Cryaquolls	0-18	12-18	1.25-1.35	14.00-42.00	0.04-0.08	0.0-2.9	2.0-6.0
	18-60	3-10	1.40-1.60	141.00-705.00	0.03-0.05	0.0-2.9	0.5-1.0
9121:							
Watsonlake	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-8	5-20	0.80-1.00	10.00-50.00	0.10-0.12	0.2-0.9	5.0-11
	8-18	5-20	0.80-1.00	10.00-50.00	0.09-0.11	0.2-0.9	2.0-8.0
	18-27	20-30	1.00-1.35	10.00-50.00	0.08-0.09	0.4-1.8	0.5-1.5
	27-35	20-30	1.35-1.65	1.00-10.00	0.10-0.11	0.4-2.1	0.5-1.5
	35-52	20-30	1.40-1.65	1.00-10.00	0.09-0.10	0.3-1.2	0.2-1.0
	52-67	20-27	1.40-1.65	1.00-10.00	0.13-0.14	1.5-2.0	0.2-1.0
	67-77	---	---	0.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9121:							
Jorge very cobbly fine sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-9	2-10	0.80-1.00	14.00-42.00	0.08-0.09	0.8-1.2	5.0-11
	9-28	5-13	0.80-1.00	14.00-42.00	0.07-0.08	0.8-1.2	0.5-1.5
	28-34	5-13	0.80-1.00	14.00-42.00	0.07-0.08	0.8-1.2	0.5-1.5
	34-59	15-25	1.00-1.40	4.00-14.00	0.06-0.08	0.8-1.2	0.2-1.0
Sky	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	---	0.40-0.70	100.00-200.00	0.35-0.45	---	60-80
	2-3	2-10	0.83-0.90	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	3-5	2-10	0.84-0.90	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	5-24	2-10	0.85-1.00	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	24-34	---	---	0.10-1.00	---	---	---
Tahoma	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	7-20	0.80-1.00	10.00-100.00	0.07-0.09	0.5-1.0	5.0-10
	14-22	7-20	0.80-1.00	10.00-100.00	0.07-0.08	0.5-1.0	2.0-7.0
	22-38	9-27	0.90-1.10	10.00-100.00	0.13-0.16	0.5-2.0	1.5-5.0
	38-59	27-40	1.10-1.30	1.00-10.00	0.12-0.15	1.0-3.0	0.5-3.0
	59-71	27-40	1.10-1.30	1.00-10.00	0.14-0.18	1.0-3.0	0.5-2.0
	71-81	---	---	0.00	---	---	---
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
Rock outcrop.							
9122:							
Watsonlake	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-8	5-20	0.80-1.00	10.00-50.00	0.10-0.12	0.2-0.9	5.0-11
	8-18	5-20	0.80-1.00	10.00-50.00	0.09-0.11	0.2-0.9	2.0-8.0
	18-27	20-30	1.00-1.35	10.00-50.00	0.08-0.09	0.4-1.8	0.5-1.5
	27-35	20-30	1.35-1.65	1.00-10.00	0.10-0.11	0.4-2.1	0.5-1.5
	35-52	20-30	1.40-1.65	1.00-10.00	0.09-0.10	0.3-1.2	0.2-1.0
	52-67	20-27	1.40-1.65	1.00-10.00	0.13-0.14	1.5-2.0	0.2-1.0
	67-77	---	---	0.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9122:							
Jorge very cobbly fine sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-9	2-10	0.80-1.00	14.00-42.00	0.08-0.09	0.8-1.2	5.0-11
	9-28	5-13	0.80-1.00	14.00-42.00	0.07-0.08	0.8-1.2	0.5-1.5
	28-34	5-13	0.80-1.00	14.00-42.00	0.07-0.08	0.8-1.2	0.5-1.5
	34-59	15-25	1.00-1.40	4.00-14.00	0.06-0.08	0.8-1.2	0.2-1.0
Tahoma	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	7-20	0.80-1.00	10.00-100.00	0.07-0.09	0.5-1.0	5.0-10
	14-22	7-20	0.80-1.00	10.00-100.00	0.07-0.08	0.5-1.0	2.0-7.0
	22-38	9-27	0.90-1.10	10.00-100.00	0.13-0.16	0.5-2.0	1.5-5.0
	38-59	27-40	1.10-1.30	1.00-10.00	0.12-0.15	1.0-3.0	0.5-3.0
	59-71	27-40	1.10-1.30	1.00-10.00	0.14-0.18	1.0-3.0	0.5-2.0
	71-81	---	---	0.00	---	---	---
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Sky	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	---	0.40-0.70	100.00-200.00	0.35-0.45	---	60-80
	2-3	2-10	0.83-0.90	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	3-5	2-10	0.84-0.90	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	5-24	2-10	0.85-1.00	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	24-34	---	---	0.10-1.00	---	---	---
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
Rock outcrop.							
9123:							
Watsonlake	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-8	5-20	0.80-1.00	10.00-50.00	0.10-0.12	0.2-0.9	5.0-11
	8-18	5-20	0.80-1.00	10.00-50.00	0.09-0.11	0.2-0.9	2.0-8.0
	18-27	20-30	1.00-1.35	10.00-50.00	0.08-0.09	0.4-1.8	0.5-1.5
	27-35	20-30	1.35-1.65	1.00-10.00	0.10-0.11	0.4-2.1	0.5-1.5
	35-52	20-30	1.40-1.65	1.00-10.00	0.09-0.10	0.3-1.2	0.2-1.0
	52-67	20-27	1.40-1.65	1.00-10.00	0.13-0.14	1.5-2.0	0.2-1.0
	67-77	---	---	0.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9123:							
Jorge very cobbly fine sandy loam	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-9	2-10	0.80-1.00	14.00-42.00	0.08-0.09	0.8-1.2	5.0-11
	9-28	5-13	0.80-1.00	14.00-42.00	0.07-0.08	0.8-1.2	0.5-1.5
	28-34	5-13	0.80-1.00	14.00-42.00	0.07-0.08	0.8-1.2	0.5-1.5
	34-59	15-25	1.00-1.40	4.00-14.00	0.06-0.08	0.8-1.2	0.2-1.0
Tahoma	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-14	7-20	0.80-1.00	10.00-100.00	0.07-0.09	0.5-1.0	5.0-10
	14-22	7-20	0.80-1.00	10.00-100.00	0.07-0.08	0.5-1.0	2.0-7.0
	22-38	9-27	0.90-1.10	10.00-100.00	0.13-0.16	0.5-2.0	1.5-5.0
	38-59	27-40	1.10-1.30	1.00-10.00	0.12-0.15	1.0-3.0	0.5-3.0
	59-71	27-40	1.10-1.30	1.00-10.00	0.14-0.18	1.0-3.0	0.5-2.0
	71-81	---	---	0.00	---	---	---
Waca	0-2	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	2-11	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	11-16	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-20
	16-23	2-8	0.80-0.99	14.00-42.00	0.05-0.07	0.1-0.5	2.0-15
	23-38	2-8	0.80-1.10	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	38-48	---	---	0.00-0.42	---	---	---
Sky	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	---	0.40-0.70	100.00-200.00	0.35-0.45	---	60-80
	2-3	2-10	0.83-0.90	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	3-5	2-10	0.84-0.90	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	5-24	2-10	0.85-1.00	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	24-34	---	---	0.10-1.00	---	---	---
Ellispeak	0-2	8-18	0.80-1.00	100.00-200.00	0.12-0.14	0.0-1.6	3.0-6.0
	2-6	8-18	0.85-1.05	100.00-200.00	0.09-0.10	0.0-1.2	3.0-6.0
	6-12	10-20	1.10-1.30	100.00-200.00	0.04-0.04	0.0-0.6	1.0-4.0
	12-22	---	---	0.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
Rock outcrop.							
9131:							
Lithnip	0-2	10-18	1.25-1.35	14.00-42.00	0.03-0.06	0.0-2.9	1.0-2.0
	2-5	12-18	1.25-1.35	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	5-15	---	---	0.00-0.01	---	---	---
Meiss	0-6	15-25	0.85-1.00	14.00-42.00	0.12-0.15	0.0-2.9	8.0-15
	6-13	15-25	0.85-1.00	14.00-42.00	0.09-0.15	0.0-2.9	3.0-12
	13-23	---	---	0.00	---	---	---
Hawkinspeak	0-3	8-18	1.20-1.25	14.00-42.00	0.07-0.11	0.0-2.9	2.0-5.0
	3-9	8-18	1.25-1.35	14.00-42.00	0.07-0.11	0.0-2.9	2.0-5.0
	9-33	18-27	1.30-1.45	4.00-14.00	0.09-0.10	0.0-2.9	1.0-3.0
	33-43	---	---	0.00-0.01	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9131:							
Lostridge	0-3	10-18	1.20-1.30	14.00-42.00	0.09-0.13	0.0-2.9	5.0-10
	3-11	10-18	1.20-1.30	14.00-42.00	0.09-0.13	0.0-2.9	2.0-4.0
	11-23	12-18	1.30-1.50	14.00-42.00	0.09-0.13	0.0-2.9	0.5-1.0
	23-29	10-18	1.30-1.50	14.00-42.00	0.09-0.13	0.0-2.9	0.0-0.8
	29-39	---	---	0.42-141.00	---	---	---
Fishsnooze	0-1	10-18	1.20-1.25	14.00-42.00	0.09-0.13	0.0-2.9	5.0-10
	1-9	10-18	1.20-1.30	14.00-42.00	0.09-0.13	0.0-2.9	5.0-10
	9-13	10-18	1.25-1.35	14.00-42.00	0.09-0.13	0.0-2.9	2.0-4.0
	13-35	12-18	1.30-1.50	14.00-42.00	0.05-0.07	0.0-2.9	0.5-1.0
	35-45	---	---	0.00-0.01	---	---	---
Rock outcrop.							
Hawkinspeak, moist	0-3	8-18	1.20-1.25	14.00-42.00	0.07-0.11	0.0-2.9	2.0-5.0
	3-9	8-18	1.25-1.35	14.00-42.00	0.07-0.11	0.0-2.9	2.0-5.0
	9-33	18-27	1.30-1.45	4.00-14.00	0.09-0.10	0.0-2.9	1.0-3.0
	33-43	---	---	0.00-0.01	---	---	---
Aspocket	0-13	10-18	1.25-1.35	14.00-42.00	0.09-0.13	0.0-2.9	5.0-8.0
	13-38	18-27	1.30-1.40	4.00-14.00	0.09-0.13	0.0-2.9	2.0-4.0
	38-54	25-35	1.35-1.45	1.40-4.00	0.19-0.21	3.0-5.9	0.5-1.0
	54-64	---	---	0.01-0.42	---	---	---
Hawkridge	0-1	10-18	1.20-1.25	14.00-42.00	0.07-0.11	0.0-2.9	2.0-4.0
	1-7	10-18	1.25-1.35	14.00-42.00	0.07-0.11	0.0-2.9	2.0-4.0
	7-14	18-27	1.30-1.45	4.00-14.00	0.09-0.10	0.0-2.9	1.0-3.0
	14-24	---	---	0.00-0.01	---	---	---
Typic Cryaquolls	0-18	12-18	1.25-1.35	14.00-42.00	0.04-0.08	0.0-2.9	2.0-6.0
	18-60	3-10	1.40-1.60	141.00-705.00	0.03-0.05	0.0-2.9	0.5-1.0
9141:							
Melody	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	2-18	1.55-1.65	10.00-100.00	0.07-0.08	0.1-1.0	8.0-20
	2-9	2-18	1.55-1.65	10.00-100.00	0.05-0.06	0.1-1.0	4.0-10
	9-15	2-18	1.55-1.65	10.00-100.00	0.05-0.05	0.1-1.0	2.0-8.0
	15-25	---	---	0.00	---	---	---
Rock outcrop, volcanic.							
Sky	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	---	0.40-0.70	100.00-200.00	0.35-0.45	---	60-80
	2-3	2-10	0.83-0.90	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	3-5	2-10	0.84-0.90	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	5-24	2-10	0.85-1.00	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	24-34	---	---	0.10-1.00	---	---	---
Mountrose	0-4	2-8	0.75-1.30	10.00-100.00	0.05-0.11	0.1-0.2	5.0-17
	4-15	5-15	1.00-1.50	1.00-10.00	0.07-0.14	0.3-0.6	2.0-10
	15-29	5-15	1.20-1.60	1.00-10.00	0.02-0.10	0.2-0.4	1.0-5.0
	29-59	5-15	1.20-1.60	1.00-10.00	0.01-0.09	0.2-0.4	1.0-5.0
Wardcreek	0-4	5-20	0.75-0.90	10.00-100.00	0.10-0.13	0.5-1.0	2.0-8.0
	4-12	5-20	0.80-0.90	10.00-100.00	0.07-0.08	0.5-1.0	1.0-4.0
	12-18	5-20	1.00-1.30	10.00-100.00	0.06-0.07	0.5-1.0	0.5-2.0
	18-25	5-20	1.30-1.50	10.00-100.00	0.06-0.07	0.0-0.5	0.1-1.0
	25-35	---	---	0.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9141:							
Lithnip	0-2	10-18	1.25-1.35	14.00-42.00	0.03-0.06	0.0-2.9	1.0-2.0
	2-5	12-18	1.25-1.35	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	5-15	---	---	0.00-0.01	---	---	---
Meiss	0-6	15-25	0.85-1.00	14.00-42.00	0.12-0.15	0.0-2.9	8.0-15
	6-13	15-25	0.85-1.00	14.00-42.00	0.09-0.15	0.0-2.9	3.0-12
	13-23	0	---	0.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
9142:							
Melody	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	2-18	1.55-1.65	10.00-100.00	0.07-0.08	0.1-1.0	8.0-20
	2-9	2-18	1.55-1.65	10.00-100.00	0.05-0.06	0.1-1.0	4.0-10
	9-15	2-18	1.55-1.65	10.00-100.00	0.05-0.05	0.1-1.0	2.0-8.0
	15-25	---	---	0.00	---	---	---
Rock outcrop, volcanic.							
Sky	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	---	0.40-0.70	100.00-200.00	0.35-0.45	---	60-80
	2-3	2-10	0.83-0.90	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	3-5	2-10	0.84-0.90	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	5-24	2-10	0.85-1.00	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	24-34	---	---	0.10-1.00	---	---	---
Mountrose	0-4	2-8	0.75-1.30	10.00-100.00	0.05-0.11	0.1-0.2	5.0-17
	4-15	5-15	1.00-1.50	1.00-10.00	0.07-0.14	0.3-0.6	2.0-10
	15-29	5-15	1.20-1.60	1.00-10.00	0.02-0.10	0.2-0.4	1.0-5.0
	29-59	5-15	1.20-1.60	1.00-10.00	0.01-0.09	0.2-0.4	1.0-5.0
Wardcreek	0-4	5-20	0.75-0.90	10.00-100.00	0.10-0.13	0.5-1.0	2.0-8.0
	4-12	5-20	0.80-0.90	10.00-100.00	0.07-0.08	0.5-1.0	1.0-4.0
	12-18	5-20	1.00-1.30	10.00-100.00	0.06-0.07	0.5-1.0	0.5-2.0
	18-25	5-20	1.30-1.50	10.00-100.00	0.06-0.07	0.0-0.5	0.1-1.0
	25-35	---	---	0.00	---	---	---
Lithnip	0-2	10-18	1.25-1.35	14.00-42.00	0.03-0.06	0.0-2.9	1.0-2.0
	2-5	12-18	1.25-1.35	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	5-15	---	---	0.00-0.01	---	---	---
Meiss	0-6	15-25	0.85-1.00	14.00-42.00	0.12-0.15	0.0-2.9	8.0-15
	6-13	15-25	0.85-1.00	14.00-42.00	0.09-0.15	0.0-2.9	3.0-12
	13-23	0	---	0.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9143:							
Melody	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	2-18	1.55-1.65	10.00-100.00	0.07-0.08	0.1-1.0	8.0-20
	2-9	2-18	1.55-1.65	10.00-100.00	0.05-0.06	0.1-1.0	4.0-10
	9-15	2-18	1.55-1.65	10.00-100.00	0.05-0.05	0.1-1.0	2.0-8.0
	15-25	---	---	0.00	---	---	---
Rock outcrop, volcanic.							
Sky	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	---	0.40-0.70	100.00-200.00	0.35-0.45	---	60-80
	2-3	2-10	0.83-0.90	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	3-5	2-10	0.84-0.90	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	5-24	2-10	0.85-1.00	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	24-34	---	---	0.10-1.00	---	---	---
Mountrose	0-4	2-8	0.75-1.30	10.00-100.00	0.05-0.11	0.1-0.2	5.0-17
	4-15	5-15	1.00-1.50	1.00-10.00	0.07-0.14	0.3-0.6	2.0-10
	15-29	5-15	1.20-1.60	1.00-10.00	0.02-0.10	0.2-0.4	1.0-5.0
	29-59	5-15	1.20-1.60	1.00-10.00	0.01-0.09	0.2-0.4	1.0-5.0
Wardcreek	0-4	5-20	0.75-0.90	10.00-100.00	0.10-0.13	0.5-1.0	2.0-8.0
	4-12	5-20	0.80-0.90	10.00-100.00	0.07-0.08	0.5-1.0	1.0-4.0
	12-18	5-20	1.00-1.30	10.00-100.00	0.06-0.07	0.5-1.0	0.5-2.0
	18-25	5-20	1.30-1.50	10.00-100.00	0.06-0.07	0.0-0.5	0.1-1.0
	25-35	---	---	0.00	---	---	---
Lithnip	0-2	10-18	1.25-1.35	14.00-42.00	0.03-0.06	0.0-2.9	1.0-2.0
	2-5	12-18	1.25-1.35	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	5-15	---	---	0.00-0.01	---	---	---
Meiss	0-6	15-25	0.85-1.00	14.00-42.00	0.12-0.15	0.0-2.9	8.0-15
	6-13	15-25	0.85-1.00	14.00-42.00	0.09-0.15	0.0-2.9	3.0-12
	13-23	0	---	0.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
9151:							
Shakespeare	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	12-27	1.00-1.35	1.00-10.00	0.10-0.16	0.9-1.9	3.0-8.0
	2-5	12-27	1.05-1.30	1.00-10.00	0.10-0.16	0.8-1.0	3.0-8.0
	5-34	25-35	1.35-1.65	1.00-10.00	0.07-0.12	2.2-3.3	0.5-1.5
	34-61	27-40	1.40-1.70	0.10-1.00	0.10-0.15	3.9-5.5	0.0-1.0
Deerhill	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	4-10	1.50-1.60	10.00-100.00	0.14-0.16	0.0-1.0	3.0-8.0
	1-9	4-10	1.50-1.60	10.00-100.00	0.14-0.16	0.0-1.0	3.0-8.0
	9-35	7-13	1.50-1.60	1.00-10.00	0.14-0.15	0.0-1.0	1.0-3.0
	35-51	15-27	1.45-1.55	1.00-10.00	0.15-0.17	0.5-2.0	0.5-2.0
	51-65	15-27	1.45-1.55	1.00-10.00	0.15-0.17	0.5-2.0	0.5-2.0

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9151:							
Mountrose	0-4	2-8	0.75-1.30	10.00-100.00	0.05-0.11	0.1-0.2	5.0-17
	4-15	5-15	1.00-1.50	1.00-10.00	0.07-0.14	0.3-0.6	2.0-10
	15-29	5-15	1.20-1.60	1.00-10.00	0.02-0.10	0.2-0.4	1.0-5.0
	29-59	5-15	1.20-1.60	1.00-10.00	0.01-0.09	0.2-0.4	1.0-5.0
Melody	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	2-18	1.55-1.65	10.00-100.00	0.07-0.08	0.1-1.0	8.0-20
	2-9	2-18	1.55-1.65	10.00-100.00	0.05-0.06	0.1-1.0	4.0-10
	9-15	2-18	1.55-1.65	10.00-100.00	0.05-0.05	0.1-1.0	2.0-8.0
	15-25	---	---	0.00	---	---	---
Wardcreek	0-4	5-20	0.75-0.90	10.00-100.00	0.10-0.13	0.5-1.0	2.0-8.0
	4-12	5-20	0.80-0.90	10.00-100.00	0.07-0.08	0.5-1.0	1.0-4.0
	12-18	5-20	1.00-1.30	10.00-100.00	0.06-0.07	0.5-1.0	0.5-2.0
	18-25	5-20	1.30-1.50	10.00-100.00	0.06-0.07	0.0-0.5	0.1-1.0
	25-35	---	---	0.00	---	---	---
Dagget very gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
Temo	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---
Witefels	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---
9152:							
Shakespeare	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	12-27	1.00-1.35	1.00-10.00	0.10-0.16	0.9-1.9	3.0-8.0
	2-5	12-27	1.05-1.30	1.00-10.00	0.10-0.16	0.8-1.0	3.0-8.0
	5-34	25-35	1.35-1.65	1.00-10.00	0.07-0.12	2.2-3.3	0.5-1.5
	34-61	27-40	1.40-1.70	0.10-1.00	0.10-0.15	3.9-5.5	0.0-1.0
Deerhill	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	4-10	1.50-1.60	10.00-100.00	0.14-0.16	0.0-1.0	3.0-8.0
	1-9	4-10	1.50-1.60	10.00-100.00	0.14-0.16	0.0-1.0	3.0-8.0
	9-35	7-13	1.50-1.60	1.00-10.00	0.14-0.15	0.0-1.0	1.0-3.0
	35-51	15-27	1.45-1.55	1.00-10.00	0.15-0.17	0.5-2.0	0.5-2.0
	51-65	15-27	1.45-1.55	1.00-10.00	0.15-0.17	0.5-2.0	0.5-2.0

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9152:							
Mountrose	0-4	2-8	0.75-1.30	10.00-100.00	0.05-0.11	0.1-0.2	5.0-17
	4-15	5-15	1.00-1.50	1.00-10.00	0.07-0.14	0.3-0.6	2.0-10
	15-29	5-15	1.20-1.60	1.00-10.00	0.02-0.10	0.2-0.4	1.0-5.0
	29-59	5-15	1.20-1.60	1.00-10.00	0.01-0.09	0.2-0.4	1.0-5.0
Melody	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	2-18	1.55-1.65	10.00-100.00	0.07-0.08	0.1-1.0	8.0-20
	2-9	2-18	1.55-1.65	10.00-100.00	0.05-0.06	0.1-1.0	4.0-10
	9-15	2-18	1.55-1.65	10.00-100.00	0.05-0.05	0.1-1.0	2.0-8.0
	15-25	---	---	0.00	---	---	---
Wardcreek	0-4	5-20	0.75-0.90	10.00-100.00	0.10-0.13	0.5-1.0	2.0-8.0
	4-12	5-20	0.80-0.90	10.00-100.00	0.07-0.08	0.5-1.0	1.0-4.0
	12-18	5-20	1.00-1.30	10.00-100.00	0.06-0.07	0.5-1.0	0.5-2.0
	18-25	5-20	1.30-1.50	10.00-100.00	0.06-0.07	0.0-0.5	0.1-1.0
	25-35	---	---	0.00	---	---	---
Dagget very gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
Temo	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---
Witefels	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---
9161:							
Sky	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	---	0.40-0.70	100.00-200.00	0.35-0.45	---	60-80
	2-3	2-10	0.83-0.90	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	3-5	2-10	0.84-0.90	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	5-24	2-10	0.85-1.00	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	24-34	---	---	0.10-1.00	---	---	---
Melody	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	2-18	1.55-1.65	10.00-100.00	0.07-0.08	0.1-1.0	8.0-20
	2-9	2-18	1.55-1.65	10.00-100.00	0.05-0.06	0.1-1.0	4.0-10
	9-15	2-18	1.55-1.65	10.00-100.00	0.05-0.05	0.1-1.0	2.0-8.0
	15-25	---	---	0.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9161:							
Mountrose	0-4	2-8	0.75-1.30	10.00-100.00	0.05-0.11	0.1-0.2	5.0-17
	4-15	5-15	1.00-1.50	1.00-10.00	0.07-0.14	0.3-0.6	2.0-10
	15-29	5-15	1.20-1.60	1.00-10.00	0.02-0.10	0.2-0.4	1.0-5.0
	29-59	5-15	1.20-1.60	1.00-10.00	0.01-0.09	0.2-0.4	1.0-5.0
Wardcreek	0-4	5-20	0.75-0.90	10.00-100.00	0.10-0.13	0.5-1.0	2.0-8.0
	4-12	5-20	0.80-0.90	10.00-100.00	0.07-0.08	0.5-1.0	1.0-4.0
	12-18	5-20	1.00-1.30	10.00-100.00	0.06-0.07	0.5-1.0	0.5-2.0
	18-25	5-20	1.30-1.50	10.00-100.00	0.06-0.07	0.0-0.5	0.1-1.0
	25-35	---	---	0.00	---	---	---
Lithnip	0-2	10-18	1.25-1.35	14.00-42.00	0.03-0.06	0.0-2.9	1.0-2.0
	2-5	12-18	1.25-1.35	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	5-15	---	---	0.00-0.01	---	---	---
Meiss	0-6	15-25	0.85-1.00	14.00-42.00	0.12-0.15	0.0-2.9	8.0-15
	6-13	15-25	0.85-1.00	14.00-42.00	0.09-0.15	0.0-2.9	3.0-12
	13-23	0	---	0.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
9162:							
Sky	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	---	0.40-0.70	100.00-200.00	0.35-0.45	---	60-80
	2-3	2-10	0.83-0.90	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	3-5	2-10	0.84-0.90	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	5-24	2-10	0.85-1.00	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	24-34	---	---	0.10-1.00	---	---	---
Melody	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	2-18	1.55-1.65	10.00-100.00	0.07-0.08	0.1-1.0	8.0-20
	2-9	2-18	1.55-1.65	10.00-100.00	0.05-0.06	0.1-1.0	4.0-10
	9-15	2-18	1.55-1.65	10.00-100.00	0.05-0.05	0.1-1.0	2.0-8.0
	15-25	---	---	0.00	---	---	---
Mountrose	0-4	2-8	0.75-1.30	10.00-100.00	0.05-0.11	0.1-0.2	5.0-17
	4-15	5-15	1.00-1.50	1.00-10.00	0.07-0.14	0.3-0.6	2.0-10
	15-29	5-15	1.20-1.60	1.00-10.00	0.02-0.10	0.2-0.4	1.0-5.0
	29-59	5-15	1.20-1.60	1.00-10.00	0.01-0.09	0.2-0.4	1.0-5.0
Wardcreek	0-4	5-20	0.75-0.90	10.00-100.00	0.10-0.13	0.5-1.0	2.0-8.0
	4-12	5-20	0.80-0.90	10.00-100.00	0.07-0.08	0.5-1.0	1.0-4.0
	12-18	5-20	1.00-1.30	10.00-100.00	0.06-0.07	0.5-1.0	0.5-2.0
	18-25	5-20	1.30-1.50	10.00-100.00	0.06-0.07	0.0-0.5	0.1-1.0
	25-35	---	---	0.00	---	---	---
Lithnip	0-2	10-18	1.25-1.35	14.00-42.00	0.03-0.06	0.0-2.9	1.0-2.0
	2-5	12-18	1.25-1.35	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	5-15	---	---	0.00-0.01	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9162:							
Meiss	0-6	15-25	0.85-1.00	14.00-42.00	0.12-0.15	0.0-2.9	8.0-15
	6-13	15-25	0.85-1.00	14.00-42.00	0.09-0.15	0.0-2.9	3.0-12
	13-23	0	---	0.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
9163:							
Sky	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	---	0.40-0.70	100.00-200.00	0.35-0.45	---	60-80
	2-3	2-10	0.83-0.90	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	3-5	2-10	0.84-0.90	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	5-24	2-10	0.85-1.00	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	24-34	---	---	0.10-1.00	---	---	---
Melody	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	2-18	1.55-1.65	10.00-100.00	0.07-0.08	0.1-1.0	8.0-20
	2-9	2-18	1.55-1.65	10.00-100.00	0.05-0.06	0.1-1.0	4.0-10
	9-15	2-18	1.55-1.65	10.00-100.00	0.05-0.05	0.1-1.0	2.0-8.0
	15-25	---	---	0.00	---	---	---
Mountrose	0-4	2-8	0.75-1.30	10.00-100.00	0.05-0.11	0.1-0.2	5.0-17
	4-15	5-15	1.00-1.50	1.00-10.00	0.07-0.14	0.3-0.6	2.0-10
	15-29	5-15	1.20-1.60	1.00-10.00	0.02-0.10	0.2-0.4	1.0-5.0
	29-59	5-15	1.20-1.60	1.00-10.00	0.01-0.09	0.2-0.4	1.0-5.0
Wardcreek	0-4	5-20	0.75-0.90	10.00-100.00	0.10-0.13	0.5-1.0	2.0-8.0
	4-12	5-20	0.80-0.90	10.00-100.00	0.07-0.08	0.5-1.0	1.0-4.0
	12-18	5-20	1.00-1.30	10.00-100.00	0.06-0.07	0.5-1.0	0.5-2.0
	18-25	5-20	1.30-1.50	10.00-100.00	0.06-0.07	0.0-0.5	0.1-1.0
	25-35	---	---	0.00	---	---	---
Lithnip	0-2	10-18	1.25-1.35	14.00-42.00	0.03-0.06	0.0-2.9	1.0-2.0
	2-5	12-18	1.25-1.35	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	5-15	---	---	0.00-0.01	---	---	---
Meiss	0-6	15-25	0.85-1.00	14.00-42.00	0.12-0.15	0.0-2.9	8.0-15
	6-13	15-25	0.85-1.00	14.00-42.00	0.09-0.15	0.0-2.9	3.0-12
	13-23	0	---	0.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9164:							
Sky	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	---	0.40-0.70	100.00-200.00	0.35-0.45	---	60-80
	2-3	2-10	0.83-0.90	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	3-5	2-10	0.84-0.90	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	5-24	2-10	0.85-1.00	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	24-34	---	---	0.10-1.00	---	---	---
Melody	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	2-18	1.55-1.65	10.00-100.00	0.07-0.08	0.1-1.0	8.0-20
	2-9	2-18	1.55-1.65	10.00-100.00	0.05-0.06	0.1-1.0	4.0-10
	9-15	2-18	1.55-1.65	10.00-100.00	0.05-0.05	0.1-1.0	2.0-8.0
	15-25	---	---	0.00	---	---	---
Mountrose	0-4	2-8	0.75-1.30	10.00-100.00	0.05-0.11	0.1-0.2	5.0-17
	4-15	5-15	1.00-1.50	1.00-10.00	0.07-0.14	0.3-0.6	2.0-10
	15-29	5-15	1.20-1.60	1.00-10.00	0.02-0.10	0.2-0.4	1.0-5.0
	29-59	5-15	1.20-1.60	1.00-10.00	0.01-0.09	0.2-0.4	1.0-5.0
Wardcreek	0-4	5-20	0.75-0.90	10.00-100.00	0.10-0.13	0.5-1.0	2.0-8.0
	4-12	5-20	0.80-0.90	10.00-100.00	0.07-0.08	0.5-1.0	1.0-4.0
	12-18	5-20	1.00-1.30	10.00-100.00	0.06-0.07	0.5-1.0	0.5-2.0
	18-25	5-20	1.30-1.50	10.00-100.00	0.06-0.07	0.0-0.5	0.1-1.0
	25-35	---	---	0.00	---	---	---
Lithnip	0-2	10-18	1.25-1.35	14.00-42.00	0.03-0.06	0.0-2.9	1.0-2.0
	2-5	12-18	1.25-1.35	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	5-15	---	---	0.00-0.01	---	---	---
Meiss	0-6	15-25	0.85-1.00	14.00-42.00	0.12-0.15	0.0-2.9	8.0-15
	6-13	15-25	0.85-1.00	14.00-42.00	0.09-0.15	0.0-2.9	3.0-12
	13-23	0	---	0.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
9165:							
Sky	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	---	0.40-0.70	100.00-200.00	0.35-0.45	---	60-80
	2-3	2-10	0.83-0.90	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	3-5	2-10	0.84-0.90	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	5-24	2-10	0.85-1.00	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	24-34	---	---	0.10-1.00	---	---	---
Melody	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	2-18	1.55-1.65	10.00-100.00	0.07-0.08	0.1-1.0	8.0-20
	2-9	2-18	1.55-1.65	10.00-100.00	0.05-0.06	0.1-1.0	4.0-10
	9-15	2-18	1.55-1.65	10.00-100.00	0.05-0.05	0.1-1.0	2.0-8.0
	15-25	---	---	0.00	---	---	---
Mountrose	0-4	2-8	0.75-1.30	10.00-100.00	0.05-0.11	0.1-0.2	5.0-17
	4-15	5-15	1.00-1.50	1.00-10.00	0.07-0.14	0.3-0.6	2.0-10
	15-29	5-15	1.20-1.60	1.00-10.00	0.02-0.10	0.2-0.4	1.0-5.0
	29-59	5-15	1.20-1.60	1.00-10.00	0.01-0.09	0.2-0.4	1.0-5.0

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9165:							
Wardcreek	0-4	5-20	0.75-0.90	10.00-100.00	0.10-0.13	0.5-1.0	2.0-8.0
	4-12	5-20	0.80-0.90	10.00-100.00	0.07-0.08	0.5-1.0	1.0-4.0
	12-18	5-20	1.00-1.30	10.00-100.00	0.06-0.07	0.5-1.0	0.5-2.0
	18-25	5-20	1.30-1.50	10.00-100.00	0.06-0.07	0.0-0.5	0.1-1.0
	25-35	---	---	0.00	---	---	---
Lithnip	0-2	10-18	1.25-1.35	14.00-42.00	0.03-0.06	0.0-2.9	1.0-2.0
	2-5	12-18	1.25-1.35	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	5-15	---	---	0.00-0.01	---	---	---
Meiss	0-6	15-25	0.85-1.00	14.00-42.00	0.12-0.15	0.0-2.9	8.0-15
	6-13	15-25	0.85-1.00	14.00-42.00	0.09-0.15	0.0-2.9	3.0-12
	13-23	0	---	0.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
9166:							
Sky	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	---	0.40-0.70	100.00-200.00	0.35-0.45	---	60-80
	2-3	2-10	0.83-0.90	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	3-5	2-10	0.84-0.90	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	5-24	2-10	0.85-1.00	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	24-34	---	---	0.10-1.00	---	---	---
Melody	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	2-18	1.55-1.65	10.00-100.00	0.07-0.08	0.1-1.0	8.0-20
	2-9	2-18	1.55-1.65	10.00-100.00	0.05-0.06	0.1-1.0	4.0-10
	9-15	2-18	1.55-1.65	10.00-100.00	0.05-0.05	0.1-1.0	2.0-8.0
	15-25	---	---	0.00	---	---	---
Mountrose	0-4	2-8	0.75-1.30	10.00-100.00	0.05-0.11	0.1-0.2	5.0-17
	4-15	5-15	1.00-1.50	1.00-10.00	0.07-0.14	0.3-0.6	2.0-10
	15-29	5-15	1.20-1.60	1.00-10.00	0.02-0.10	0.2-0.4	1.0-5.0
	29-59	5-15	1.20-1.60	1.00-10.00	0.01-0.09	0.2-0.4	1.0-5.0
Wardcreek	0-4	5-20	0.75-0.90	10.00-100.00	0.10-0.13	0.5-1.0	2.0-8.0
	4-12	5-20	0.80-0.90	10.00-100.00	0.07-0.08	0.5-1.0	1.0-4.0
	12-18	5-20	1.00-1.30	10.00-100.00	0.06-0.07	0.5-1.0	0.5-2.0
	18-25	5-20	1.30-1.50	10.00-100.00	0.06-0.07	0.0-0.5	0.1-1.0
	25-35	---	---	0.00	---	---	---
Lithnip	0-2	10-18	1.25-1.35	14.00-42.00	0.03-0.06	0.0-2.9	1.0-2.0
	2-5	12-18	1.25-1.35	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	5-15	---	---	0.00-0.01	---	---	---
Meiss	0-6	15-25	0.85-1.00	14.00-42.00	0.12-0.15	0.0-2.9	8.0-15
	6-13	15-25	0.85-1.00	14.00-42.00	0.09-0.15	0.0-2.9	3.0-12
	13-23	0	---	0.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9166:							
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
9171:							
Mountrose	0-4	2-8	0.75-1.30	10.00-100.00	0.05-0.11	0.1-0.2	5.0-17
	4-15	5-15	1.00-1.50	1.00-10.00	0.07-0.14	0.3-0.6	2.0-10
	15-29	5-15	1.20-1.60	1.00-10.00	0.02-0.10	0.2-0.4	1.0-5.0
	29-59	5-15	1.20-1.60	1.00-10.00	0.01-0.09	0.2-0.4	1.0-5.0
Wardcreek	0-4	5-20	0.75-0.90	10.00-100.00	0.10-0.13	0.5-1.0	2.0-8.0
	4-12	5-20	0.80-0.90	10.00-100.00	0.07-0.08	0.5-1.0	1.0-4.0
	12-18	5-20	1.00-1.30	10.00-100.00	0.06-0.07	0.5-1.0	0.5-2.0
	18-25	5-20	1.30-1.50	10.00-100.00	0.06-0.07	0.0-0.5	0.1-1.0
	25-35	---	---	0.00	---	---	---
Melody	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	2-18	1.55-1.65	10.00-100.00	0.07-0.08	0.1-1.0	8.0-20
	2-9	2-18	1.55-1.65	10.00-100.00	0.05-0.06	0.1-1.0	4.0-10
	9-15	2-18	1.55-1.65	10.00-100.00	0.05-0.05	0.1-1.0	2.0-8.0
	15-25	---	---	0.00	---	---	---
Meiss	0-6	15-25	0.85-1.00	14.00-42.00	0.12-0.15	0.0-2.9	8.0-15
	6-13	15-25	0.85-1.00	14.00-42.00	0.09-0.15	0.0-2.9	3.0-12
	13-23	0	---	0.00	---	---	---
Rock outcrop.							
Rubble land.							
Sky	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-2	---	0.40-0.70	100.00-200.00	0.35-0.45	---	60-80
	2-3	2-10	0.83-0.90	14.00-42.00	0.05-0.07	0.1-0.5	7.0-34
	3-5	2-10	0.84-0.90	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	5-24	2-10	0.85-1.00	14.00-42.00	0.05-0.07	0.1-0.5	1.0-8.0
	24-34	---	---	0.10-1.00	---	---	---
9401:							
Dagget very gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Temo	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---
Witefels	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9401:							
Jobsis	0-1	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	1-5	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	5-9	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-12	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	12-17	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	17-20	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	20-30	---	---	0.10-10.00	---	---	---
Rock outcrop.							
Whittell	0	---	0.03-0.09	141.00-250.00	0.55-0.65	---	70-90
	0-7	0-5	1.60-1.70	42.34-141.14	0.02-0.04	0.0-1.0	1.0-3.0
	7-20	0-5	1.60-1.70	42.34-141.14	0.02-0.03	0.0-1.0	0.5-1.0
	20-32	0-5	1.60-1.70	42.34-141.14	0.02-0.02	0.0-1.0	0.0-5.0
	32-42	---	---	0.10-10.00	---	0.0-1.0	---
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Cassenai, moist	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-11	0-5	0.75-1.50	14.00-42.00	0.06-0.08	0.0-0.5	5.0-12
	11-20	0-5	1.25-1.45	14.00-42.00	0.05-0.07	0.0-0.5	1.0-5.0
	20-63	0-5	1.35-1.60	14.00-42.00	0.04-0.06	0.0-0.5	0.0-1.0
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
9402:							
Dagget very gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Temo	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---
Witefels	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9402:							
Jobsis	0-1	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	1-5	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	5-9	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-12	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	12-17	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	17-20	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	20-30	---	---	0.10-10.00	---	---	---
Rock outcrop.							
Whittell	0	---	0.03-0.09	141.00-250.00	0.55-0.65	---	70-90
	0-7	0-5	1.60-1.70	42.34-141.14	0.02-0.04	0.0-1.0	1.0-3.0
	7-20	0-5	1.60-1.70	42.34-141.14	0.02-0.03	0.0-1.0	0.5-1.0
	20-32	0-5	1.60-1.70	42.34-141.14	0.02-0.02	0.0-1.0	0.0-5.0
	32-42	---	---	0.10-10.00	---	0.0-1.0	---
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Cassenai, moist	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-11	0-5	0.75-1.50	14.00-42.00	0.06-0.08	0.0-0.5	5.0-12
	11-20	0-5	1.25-1.45	14.00-42.00	0.05-0.07	0.0-0.5	1.0-5.0
	20-63	0-5	1.35-1.60	14.00-42.00	0.04-0.06	0.0-0.5	0.0-1.0
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
9403:							
Dagget very gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Temo	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---
Witefels	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9403:							
Jobsis	0-1	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	1-5	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	5-9	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-12	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	12-17	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	17-20	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	20-30	---	---	0.10-10.00	---	---	---
Rock outcrop.							
Whittell	0	---	0.03-0.09	141.00-250.00	0.55-0.65	---	70-90
	0-7	0-5	1.60-1.70	42.34-141.14	0.02-0.04	0.0-1.0	1.0-3.0
	7-20	0-5	1.60-1.70	42.34-141.14	0.02-0.03	0.0-1.0	0.5-1.0
	20-32	0-5	1.60-1.70	42.34-141.14	0.02-0.02	0.0-1.0	0.0-5.0
	32-42	---	---	0.10-10.00	---	0.0-1.0	---
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Cassenai, moist	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-11	0-5	0.75-1.50	14.00-42.00	0.06-0.08	0.0-0.5	5.0-12
	11-20	0-5	1.25-1.45	14.00-42.00	0.05-0.07	0.0-0.5	1.0-5.0
	20-63	0-5	1.35-1.60	14.00-42.00	0.04-0.06	0.0-0.5	0.0-1.0
Toem	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-10	0-5	1.00-1.25	42.00-141.00	0.03-0.05	0.0-1.0	2.0-6.0
	10-18	0-5	1.30-1.50	42.00-141.00	0.03-0.05	0.0-1.0	0.0-1.0
	18-32	---	---	0.10-10.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
9404:							
Dagget, moist	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Cassenai, moist	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-11	0-5	0.75-1.50	14.00-42.00	0.06-0.08	0.0-0.5	5.0-12
	11-20	0-5	1.25-1.45	14.00-42.00	0.05-0.07	0.0-0.5	1.0-5.0
	20-63	0-5	1.35-1.60	14.00-42.00	0.04-0.06	0.0-0.5	0.0-1.0
Rockbound very gravelly loam	0-6	3-12	0.90-1.30	14.00-42.00	0.13-0.15	0.0-1.0	5.0-12
	6-8	3-12	1.20-1.50	14.00-42.00	0.11-0.15	0.0-1.0	2.0-5.0
	8-20	---	---	0.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9404:							
Jobsis	0-1	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	1-5	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	5-9	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-12	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	12-17	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	17-20	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	20-30	---	---	0.10-10.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
Temo	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---
Whittell	0	---	0.03-0.09	141.00-250.00	0.55-0.65	---	70-90
	0-7	0-5	1.60-1.70	42.34-141.14	0.02-0.04	0.0-1.0	1.0-3.0
	7-20	0-5	1.60-1.70	42.34-141.14	0.02-0.03	0.0-1.0	0.5-1.0
	20-32	0-5	1.60-1.70	42.34-141.14	0.02-0.02	0.0-1.0	0.0-5.0
	32-42	---	---	0.10-10.00	---	0.0-1.0	---
Witefels	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---
9405:							
Dagget, moist	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Cassenai, moist	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-11	0-5	0.75-1.50	14.00-42.00	0.06-0.08	0.0-0.5	5.0-12
	11-20	0-5	1.25-1.45	14.00-42.00	0.05-0.07	0.0-0.5	1.0-5.0
	20-63	0-5	1.35-1.60	14.00-42.00	0.04-0.06	0.0-0.5	0.0-1.0
Rockbound very gravelly loam	0-6	3-12	0.90-1.30	14.00-42.00	0.13-0.15	0.0-1.0	5.0-12
	6-8	3-12	1.20-1.50	14.00-42.00	0.11-0.15	0.0-1.0	2.0-5.0
	8-20	---	---	0.00	---	---	---
Jobsis	0-1	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	1-5	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	5-9	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-12	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	12-17	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	17-20	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	20-30	---	---	0.10-10.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9405:							
Oxyaquic Cryorthents---------	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
Temo-------------------------	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---
Whittell----------------------	0	---	0.03-0.09	141.00-250.00	0.55-0.65	---	70-90
	0-7	0-5	1.60-1.70	42.34-141.14	0.02-0.04	0.0-1.0	1.0-3.0
	7-20	0-5	1.60-1.70	42.34-141.14	0.02-0.03	0.0-1.0	0.5-1.0
	20-32	0-5	1.60-1.70	42.34-141.14	0.02-0.02	0.0-1.0	0.0-5.0
	32-42	---	---	0.10-10.00	---	0.0-1.0	---
Witefels----------------------	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---
9406:							
Dagget, moist-----------------	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Cassenai, moist---------------	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-11	0-5	0.75-1.50	14.00-42.00	0.06-0.08	0.0-0.5	5.0-12
	11-20	0-5	1.25-1.45	14.00-42.00	0.05-0.07	0.0-0.5	1.0-5.0
	20-63	0-5	1.35-1.60	14.00-42.00	0.04-0.06	0.0-0.5	0.0-1.0
Rockbound very stony loam-----	0-2	0-5	0.85-1.20	100.00-200.00	0.02-0.03	0.00	8.0-15
	2-5	0-5	1.30-1.80	100.00-200.00	0.01-0.02	0.0-0.1	0.5-5.0
	5-17	0-5	1.30-1.80	100.00-200.00	0.01-0.02	0.0-0.1	0.5-5.0
	17-27	---	---	0.00	---	---	---
Jobsis------------------------	0-1	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	1-5	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	5-9	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-12	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	12-17	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	17-20	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	20-30	---	---	0.10-10.00	---	---	---
Oxyaquic Cryorthents---------	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9406:							
Temo	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---
Whittell	0	---	0.03-0.09	141.00-250.00	0.55-0.65	---	70-90
	0-7	0-5	1.60-1.70	42.34-141.14	0.02-0.04	0.0-1.0	1.0-3.0
	7-20	0-5	1.60-1.70	42.34-141.14	0.02-0.03	0.0-1.0	0.5-1.0
	20-32	0-5	1.60-1.70	42.34-141.14	0.02-0.02	0.0-1.0	0.0-5.0
	32-42	---	---	0.10-10.00	---	0.0-1.0	---
Witefels	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---
9407:							
Dagget, moist	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Rock outcrop, granitic.							
Temo	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---
Witefels	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---
Whittell	0	---	0.03-0.09	141.00-250.00	0.55-0.65	---	70-90
	0-7	0-5	1.60-1.70	42.34-141.14	0.02-0.04	0.0-1.0	1.0-3.0
	7-20	0-5	1.60-1.70	42.34-141.14	0.02-0.03	0.0-1.0	0.5-1.0
	20-32	0-5	1.60-1.70	42.34-141.14	0.02-0.02	0.0-1.0	0.0-5.0
	32-42	---	---	0.10-10.00	---	0.0-1.0	---
Cassenai, moist	0-3	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	3-11	0-5	0.75-1.50	14.00-42.00	0.06-0.08	0.0-0.5	5.0-12
	11-20	0-5	1.25-1.45	14.00-42.00	0.05-0.07	0.0-0.5	1.0-5.0
	20-63	0-5	1.35-1.60	14.00-42.00	0.04-0.06	0.0-0.5	0.0-1.0
Jobsis	0-1	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	1-5	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	5-9	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-12	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	12-17	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	17-20	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	20-30	---	---	0.10-10.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9411:							
Freelpeak	0-2	0-1	1.70-1.80	141.00-705.00	0.00-0.01	0.0-0.1	0.0-0.0
	2-4	0-6	1.70-1.80	42.00-141.00	0.01-0.01	0.0-0.1	1.0-5.0
	4-8	0-6	1.60-1.70	42.00-141.00	0.03-0.05	0.0-0.1	0.5-1.0
	8-36	0-6	1.55-1.65	42.00-141.00	0.05-0.07	0.0-0.2	0.2-1.0
	36-46	---	---	0.10-10.00	0.00	---	---
Windyridge	0-2	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	2-10	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	10-20	---	---	0.10-10.00	---	---	---
Rock outcrop.							
Jobsis	0-5	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	5-9	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-17	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	17-20	4-8	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	20-30	---	---	0.10-10.00	---	---	---
Whittell	0	---	0.03-0.09	141.00-250.00	0.55-0.65	---	70-90
	0-7	4-8	1.60-1.70	42.34-141.14	0.02-0.04	0.0-1.0	1.0-3.0
	7-20	1-8	1.60-1.70	42.34-141.14	0.02-0.03	0.0-1.0	0.5-1.0
	20-32	1-8	1.60-1.70	42.34-141.14	0.02-0.02	0.0-1.0	0.0-5.0
	32-42	---	---	0.10-10.00	---	0.0-1.0	---
Waterpeak	0-5	2-8	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	2.0-5.0
	5-18	2-8	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	2.0-5.0
	18-27	4-8	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	1.0-3.0
	27-60	10-15	1.40-1.60	14.00-42.00	0.08-0.12	0.0-2.9	0.2-1.0
Buggin	0-2	3-10	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	5.0-8.0
	2-7	3-10	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	3.0-6.0
	7-10	8-10	1.40-1.60	42.00-141.00	0.04-0.06	0.0-2.9	0.5-1.0
	10-16	---	---	0.10-10.00	---	---	---
	16-26	---	---	0.01-0.42	---	---	---
Glaciers.							
9421:							
Jobsis	0-5	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	5-9	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-17	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	17-20	4-8	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	20-30	---	---	0.10-10.00	---	---	---
Whittell	0	---	0.03-0.09	141.00-250.00	0.55-0.65	---	70-90
	0-7	4-8	1.60-1.70	42.34-141.14	0.02-0.04	0.0-1.0	1.0-3.0
	7-20	1-8	1.60-1.70	42.34-141.14	0.02-0.03	0.0-1.0	0.5-1.0
	20-32	1-8	1.60-1.70	42.34-141.14	0.02-0.02	0.0-1.0	0.0-5.0
	32-42	---	---	0.10-10.00	---	0.0-1.0	---
Rock outcrop.							
Typic Cryorthents, 8 to 30 percent slopes	0-1	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	1-5	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	5-9	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-12	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	12-17	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	17-40	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	40-50	---	---	0.10-10.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9421:							
Windyridge	0-2	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	2-10	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	10-20	---	---	0.10-10.00	---	---	---
Klauspeak	0-5	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	5-16	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	16-22	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	1.0-2.0
	22-40	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	0.5-1.0
	40-60	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	0.2-0.5
Shalgran	0-3	2-8	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	2.0-4.0
	3-14	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	0.2-0.8
	14-24	---	---	0.10-10.00	---	---	---
Buggin	0-2	3-10	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	5.0-8.0
	2-7	3-10	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	3.0-6.0
	7-10	8-10	1.40-1.60	42.00-141.00	0.04-0.06	0.0-2.9	0.5-1.0
	10-16	---	---	0.10-10.00	---	---	---
	16-26	---	---	0.01-0.42	---	---	---
Typic Cryorthents, 4 to 30 percent slopes	0-1	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	1-5	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	5-9	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-12	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	12-17	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	17-20	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	20-30	---	---	0.10-10.00	---	---	---
Waterpeak	0-5	2-8	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	2.0-5.0
	5-18	2-8	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	2.0-5.0
	18-27	4-8	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	1.0-3.0
	27-60	10-15	1.40-1.60	14.00-42.00	0.08-0.12	0.0-2.9	0.2-1.0
9431:							
Sofgran	0-3	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	3-6	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	6-9	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-19	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	19-27	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	27-45	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	45-60	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Klauspeak	0-5	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	5-16	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	16-22	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	1.0-2.0
	22-40	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	0.5-1.0
	40-60	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	0.2-0.5
Temo	0-10	2-8	1.55-1.70	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	10-16	2-8	1.55-1.75	42.00-141.00	0.05-0.07	0.0-2.9	0.0-0.5
	16-26	---	---	0.10-10.00	---	---	---
Rock outcrop.							
Shalgran	0-3	2-8	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	2.0-4.0
	3-14	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	0.2-0.8
	14-24	---	---	0.10-10.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9431:							
Xeric Humicryepts	0-5	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	5-16	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	16-22	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	1.0-2.0
	22-40	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	0.5-1.0
	40-63	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	0.2-0.5
Stumpatil	0-6	8-15	1.30-1.50	14.00-42.00	0.10-0.12	0.0-2.9	3.0-5.0
	6-11	8-15	1.35-1.55	14.00-42.00	0.06-0.08	0.0-2.9	2.0-3.0
	11-26	10-15	1.35-1.55	14.00-42.00	0.06-0.08	0.0-2.9	0.5-1.0
	26-33	13-18	1.35-1.55	14.00-42.00	0.06-0.08	0.0-2.9	0.2-0.8
	33-60	13-18	1.70-1.80	4.00-14.00	0.06-0.08	0.0-2.9	0.0-0.5
Aquic Haplocryolls	0-12	8-15	1.20-1.30	14.00-42.00	0.10-0.12	0.0-2.9	4.0-10
	12-30	8-15	1.25-1.40	14.00-42.00	0.04-0.08	0.0-2.9	4.0-6.0
	30-39	8-15	1.35-1.55	14.00-42.00	0.04-0.08	0.0-2.9	0.5-1.0
	39-60	3-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
Hopeval	0-2	10-18	1.25-1.35	4.00-14.00	0.17-0.21	0.0-2.9	4.0-8.0
	2-12	10-18	1.25-1.35	4.00-14.00	0.17-0.21	0.0-2.9	4.0-8.0
	12-15	10-18	1.25-1.35	4.00-14.00	0.17-0.21	0.0-2.9	3.0-5.0
	15-26	8-18	1.30-1.40	14.00-42.00	0.11-0.13	0.0-2.9	2.0-4.0
	26-33	8-18	1.35-1.45	14.00-42.00	0.09-0.11	0.0-2.9	0.5-1.0
	33-60	5-15	1.40-1.50	14.00-42.00	0.05-0.07	0.0-2.9	0.2-0.8
9441:							
Temo	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---
Witefels	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---
Rock outcrop.							
Dagget very gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9442:							
Temo	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---
Witefels	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---
Rock outcrop.							
Dagget very gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Oxyaquic Cryorthents	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
9443:							
Temo	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---
Witefels	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---
Rock outcrop.							
Dagget very gravelly loamy coarse sand	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Cagwin	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9443:							
Oxyaquic Cryorthents---------	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
9444:							
Temo-------------------------	0-10	2-5	1.70-1.80	10.00-100.00	0.03-0.04	0.0-0.5	2.0-8.0
	10-16	2-5	1.70-1.80	10.00-100.00	0.02-0.04	0.0-0.5	0.0-2.0
	16-26	---	---	0.10-10.00	---	---	---
Witefels----------------------	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.60-1.70	10.00-100.00	0.05-0.06	0.1-0.5	2.0-8.0
	9-14	1-5	1.60-1.70	10.00-100.00	0.04-0.06	0.1-0.5	1.0-4.0
	14-36	1-5	1.60-1.70	10.00-100.00	0.04-0.05	0.1-0.5	0.0-1.0
	36-39	---	---	0.10-10.00	---	---	---
Rock outcrop.							
Dagget very gravelly loamy coarse sand-----------------	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-5	1.40-1.65	100.00-150.00	0.03-0.05	0.00	2.0-8.0
	9-49	1-5	1.50-1.70	100.00-150.00	0.03-0.05	0.00	1.0-3.0
	49-59	---	---	0.10-10.00	---	---	---
Cagwin------------------------	0-1	---	0.02-0.09	100.00-705.00	0.55-0.65	---	70-90
	1-9	1-8	0.90-1.55	10.00-100.00	0.06-0.11	1.0-4.0	2.0-8.0
	9-13	1-8	1.15-1.75	10.00-100.00	0.06-0.11	0.0-1.0	1.0-3.0
	13-27	1-8	1.25-1.80	10.00-100.00	0.02-0.05	0.0-1.0	0.2-1.5
	27-37	---	---	0.10-10.00	---	---	---
Oxyaquic Cryorthents---------	0	---	0.10-0.20	100.00-705.00	---	---	70-90
	0-2	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	2-5	0-15	0.95-1.45	10.00-100.00	0.05-0.07	0.0-0.5	3.0-12
	5-9	0-15	1.35-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.5-3.0
	9-20	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	20-32	0-15	1.45-1.70	10.00-100.00	0.05-0.06	0.0-0.5	0.2-1.5
	32-52	0-15	1.65-1.85	10.00-100.00	0.01-0.03	0.0-0.5	0.0-0.5
	52-80	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
	80-112	0-15	1.65-1.85	10.00-100.00	0.02-0.04	0.0-0.5	0.0-0.5
9451:							
Waterpeak---------------------	0-5	2-8	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	2.0-5.0
	5-18	2-8	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	2.0-5.0
	18-27	4-8	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	1.0-3.0
	27-60	10-15	1.40-1.60	14.00-42.00	0.08-0.12	0.0-2.9	0.2-1.0
Rock outcrop.							
Shalgran----------------------	0-3	2-8	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	2.0-4.0
	3-14	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	0.2-0.8
	14-24	---	---	0.10-10.00	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9451:							
Typic Cryorthents	0-1	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	1-5	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	5-9	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-12	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	12-17	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	17-40	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	40-50	---	---	0.10-10.00	---	---	---
Pachic Haplocryolls	0-5	2-8	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	2.0-5.0
	5-18	2-8	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	2.0-5.0
	18-27	2-8	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	1.0-3.0
	27-60	10-15	1.40-1.60	14.00-42.00	0.08-0.12	0.0-2.9	0.2-1.0
9461:							
Whittell	0	---	0.03-0.09	141.00-250.00	0.55-0.65	---	70-90
	0-7	4-8	1.60-1.70	42.34-141.14	0.02-0.04	0.0-1.0	1.0-3.0
	7-20	1-8	1.60-1.70	42.34-141.14	0.02-0.03	0.0-1.0	0.5-1.0
	20-32	1-8	1.60-1.70	42.34-141.14	0.02-0.02	0.0-1.0	0.0-5.0
	32-42	---	---	0.10-10.00	---	0.0-1.0	---
Jobsis	0-5	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	5-9	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-17	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	17-20	4-8	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	20-30	---	---	0.10-10.00	---	---	---
Rock outcrop.							
Jobsis, 8 to 30 percent slopes	0-5	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	5-9	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-17	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	17-20	4-8	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	20-30	---	---	0.10-10.00	---	---	---
Windyridge	0-2	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	2-10	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	10-20	---	---	0.10-10.00	---	---	---
Klauspeak	0-5	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	5-16	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	2.0-4.0
	16-22	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	1.0-2.0
	22-40	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	0.5-1.0
	40-60	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	0.2-0.5
Shalgran	0-3	2-8	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	2.0-4.0
	3-14	3-10	1.45-1.65	42.00-141.00	0.05-0.07	0.0-2.9	0.2-0.8
	14-24	---	---	0.10-10.00	---	---	---
Buggin	0-2	3-10	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	5.0-8.0
	2-7	3-10	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	3.0-6.0
	7-10	8-10	1.40-1.60	42.00-141.00	0.04-0.06	0.0-2.9	0.5-1.0
	10-16	---	---	0.10-10.00	---	---	---
	16-26	---	---	0.01-0.42	---	---	---

Table 21.--Physical Properties of the Soils--Continued

Map symbol and component name	Depth	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter
	In	Pct	g/cc	um/sec	In/in	Pct	Pct
9461:							
Typic Cryorthents	0-1	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	1-5	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	1.0-3.0
	5-9	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.5-1.0
	9-12	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	12-17	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	17-20	4-10	1.45-1.65	42.00-141.00	0.03-0.05	0.0-2.9	0.0-0.5
	20-30	---	---	0.10-10.00	---	---	---
Waterpeak	0-5	2-8	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	2.0-5.0
	5-18	2-8	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	2.0-5.0
	18-27	4-8	1.40-1.60	42.00-141.00	0.05-0.07	0.0-2.9	1.0-3.0
	27-60	10-15	1.40-1.60	14.00-42.00	0.08-0.12	0.0-2.9	0.2-1.0
W.							
Water							

Table 22.--Erosion Properties of the Soils

(Entries under "Erosion factors" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer)

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7011:						
Beaches.						
Oxyaquic Xeropsamments	0-6	.05	.10	5	2	134
	6-75	.02	.05			
Watah	0-3	---	---	5	8	0
	3-8	---	---			
	8-15	.10	.15			
	15-63	.10	.20			
Gefo, barrier beach	0-15	.05	.10	5	2	134
	15-75	.02	.05			
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Dunes.						
Jorge very gravelly sandy loam	0-2	---	---	5	6	48
	2-24	.05	.17			
	24-32	.17	.43			
	32-48	.15	.37			
	48-84	.05	.20			
Rock outcrop.						
Tahoe silt loam	0-3	---	---	5	3	86
	3-11	.37	.37			
	11-15	.43	.43			
	15-20	.05	.15			
	20-30	.43	.43			
	30-49	.43	.43			
	49-59	.24	.24			
Tahoma	0-3	---	---	5	6	48
	3-14	.05	.15			
	14-22	.05	.17			
	22-38	.17	.37			
	38-59	.15	.24			
	59-71	.32	.37			
	71-81	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7011:						
Toem	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
7021:						
Hellhole	0-11	---	---	3	8	0
	11-59	---	---			
	59-118	---	---			
Bidart, wet	0-3	---	---	5	3	86
	3-9	.32	.37			
	9-16	.37	.37			
	16-17	.02	.10			
	17-39	.32	.32			
	39-59	.15	.17			
Watah	0-3	---	---	5	8	0
	3-8	---	---			
	8-15	.10	.15			
	15-63	.10	.20			
Water.						
7031:						
Pits.						
Dumps.						
Arents.						
Xerorthents.						
7041:						
Tahoe silt loam	0-3	---	---	5	3	86
	3-11	.37	.37			
	11-15	.43	.43			
	15-20	.05	.15			
	20-30	.43	.43			
	30-49	.43	.43			
	49-59	.24	.24			
Tahoe silt loam, wet	0-10	.20	.20	5	6	48
	10-27	.24	.24			
	27-32	.28	.28			
	32-46	.15	.15			
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
Tahoe, gravelly	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
Watah	0-3	---	---	5	8	0
	3-8	---	---			
	8-15	.10	.15			
	15-63	.10	.20			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7042:						
Tahoe, gravelly	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
Tahoe, gravelly, wet	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
Riverwash.						
Tahoe silt loam	0-3	---	---	5	3	86
	3-11	.37	.37			
	11-15	.43	.43			
	15-20	.05	.15			
	20-30	.43	.43			
	30-49	.43	.43			
	49-59	.24	.24			
Watah	0-3	---	---	5	8	0
	3-8	---	---			
	8-15	.10	.15			
	15-63	.10	.20			
7043:						
Tahoe, drained	0-10	.20	.20	5	6	48
	10-27	.24	.24			
	27-32	.28	.28			
	32-46	.15	.15			
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
Tahoe, gravelly	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
Tahoe silt loam, wet	0-10	.20	.20	5	6	48
	10-27	.24	.24			
	27-32	.28	.28			
	32-46	.15	.15			
Watah	0-3	---	---	5	8	0
	3-8	---	---			
	8-15	.10	.15			
	15-63	.10	.20			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7051:						
Oxyaquic Xerorthents	0-36	.05	.15	5	2	134
	36-44	.37	.37			
	44-48	.43	.43			
	48-53	.05	.15			
	53-63	.43	.43			
Water.						
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
Watah	0-3	---	---	5	8	0
	3-8	---	---			
	8-15	.10	.15			
	15-63	.10	.20			
7061.						
Urban land						
7071:						
Watah	0-3	---	---	5	8	0
	3-8	---	---			
	8-15	.10	.15			
	15-63	.10	.20			
Tahoe, gravelly, wet	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
Tahoe silt loam, wet	0-10	.20	.20	5	6	48
	10-27	.24	.24			
	27-32	.28	.28			
	32-46	.15	.15			
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
Bidart, wet	0-3	---	---	5	3	86
	3-9	.32	.37			
	9-16	.37	.37			
	16-17	.02	.10			
	17-39	.32	.32			
	39-59	.15	.17			
Water.						
Hellhole	0-11	---	---	3	8	0
	11-59	---	---			
	59-118	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7101:						
Caverock	0-2	---	---	3	3	86
	2-4	.15	.17			
	4-11	.20	.28			
	11-19	.20	.32			
	19-26	.28	.37			
	26-36	---	---			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Deerhill	0-1	---	---	5	3	86
	1-9	.15	.17			
	1-9	.15	.17			
	9-35	.20	.32			
	35-51	.37	.37			
	51-65	.05	.37			
Genoapeak	0-2	---	---	1	8	0
	2-4	.05	.20			
	4-7	.05	.24			
	7-16	.02	.32			
	16-60	.02	.32			
Southcamp	0-2	---	---	5	6	48
	2-4	.05	.10			
	4-15	.05	.28			
	15-34	.02	.24			
	34-53	.02	.28			
	53-60	.02	.28			
Zephyrcove	0-2	---	---	3	5	56
	2-4	---	---			
	4-7	.15	.20			
	7-16	.20	.32			
	16-35	.20	.32			
	35-44	---	---			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7111:						
Deerhill	0-1	---	---	5	3	86
	1-9	.15	.17			
	1-9	.15	.17			
	9-35	.20	.32			
	35-51	.37	.37			
	51-65	.05	.37			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7111:						
Cassenai gravelly loamy coarse sand----	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Cagwin----------	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Shakespeare----------	0-1	---	---	5	3	86
	1-2	.28	.28			
	2-5	.10	.20			
	5-34	.10	.28			
	34-61	.43	.43			
Southcamp----------	0-2	---	---	5	6	48
	2-4	.05	.10			
	4-15	.05	.28			
	15-34	.02	.24			
	34-53	.02	.28			
	53-60	.02	.28			
Zephyrcove----------	0-2	---	---	3	5	56
	2-4	---	---			
	4-7	.15	.20			
	7-16	.20	.32			
	16-35	.20	.32			
	35-44	---	---			
Genoapeak----------	0-2	---	---	1	8	0
	2-4	.05	.20			
	4-7	.05	.24			
	7-16	.02	.32			
	16-60	.02	.32			
Aquic Xerorthents----------	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7112:						
Deerhill----------	0-1	---	---	5	3	86
	1-9	.15	.17			
	1-9	.15	.17			
	9-35	.20	.32			
	35-51	.37	.37			
	51-65	.05	.37			
Cassenai gravelly loamy coarse sand----	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7112:						
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Shakespeare	0-1	---	---	5	3	86
	1-2	.28	.28			
	2-5	.10	.20			
	5-34	.10	.28			
	34-61	.43	.43			
Southcamp	0-2	---	---	5	6	48
	2-4	.05	.10			
	4-15	.05	.28			
	15-34	.02	.24			
	34-53	.02	.28			
	53-60	.02	.28			
Zephyrcove	0-2	---	---	3	5	56
	2-4	---	---			
	4-7	.15	.20			
	7-16	.20	.32			
	16-35	.20	.32			
	35-44	---	---			
Genoapeak	0-2	---	---	1	8	0
	2-4	.05	.20			
	4-7	.05	.24			
	7-16	.02	.32			
	16-60	.02	.32			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7121:						
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Rock outcrop, volcanic.						
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Kneeridge, well drained	0-2	---	---	5	5	56
	2-16	.05	.10			
	16-39	.15	.20			
	39-79	.20	.32			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7121:						
Paige	0-3	---	---	5	3	86
	3-20	.20	.24			
	20-48	.20	.28			
	48-62	.43	.64			
	62-80	.10	.43			
Tahoe, gravelly	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
7122:						
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Rock outcrop, volcanic.						
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Kneeridge, well drained	0-2	---	---	5	5	56
	2-16	.05	.10			
	16-39	.15	.20			
	39-79	.20	.32			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
Paige	0-3	---	---	5	3	86
	3-20	.20	.24			
	20-48	.20	.28			
	48-62	.43	.64			
	62-80	.10	.43			
7123:						
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Rock outcrop, volcanic.						
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7123:						
Kneeridge, well drained	0-2	---	---	5	5	56
	2-16	.05	.10			
	16-39	.15	.20			
	39-79	.20	.32			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
Paige	0-3	---	---	5	3	86
	3-20	.20	.24			
	20-48	.20	.28			
	48-62	.43	.64			
	62-80	.10	.43			
7131:						
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Rock outcrop.						
Windy	0-2	---	---	4	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-49	.05	.20			
	49-59	---	---			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7132:						
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7132:						
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Rock outcrop.						
Windy	0-2	---	---	4	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-49	.05	.20			
	49-59	---	---			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7133:						
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Rock outcrop.						
Windy	0-2	---	---	4	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-49	.05	.20			
	49-59	---	---			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7141:						
Inville	0-2	---	---	5	5	56
	2-12	.10	.15			
	12-37	.05	.20			
	37-56	.02	.20			
Christopher loamy coarse sand	0-1	---	---	5	2	134
	1-8	.15	.17			
	8-26	.15	.20			
	26-42	.15	.20			
	42-61	.15	.20			
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Jorge very gravelly sandy loam	0-2	---	---	5	6	48
	2-24	.05	.17			
	24-32	.17	.43			
	32-48	.15	.37			
	48-84	.05	.20			
Kingsbeach	0-1	---	---	5	5	56
	1-6	.17	.28			
	6-20	.43	.43			
	20-30	.28	.28			
	30-61	.37	.37			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7142:						
Inville	0-2	---	---	5	5	56
	2-12	.10	.15			
	12-37	.05	.20			
	37-56	.02	.20			
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Christopher gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-5	.10	.15			
	5-32	.15	.15			
	32-41	.10	.15			
	41-71	.05	.17			
Jorge very gravelly sandy loam	0-2	---	---	5	6	48
	2-24	.05	.17			
	24-32	.17	.43			
	32-48	.15	.37			
	48-84	.05	.20			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7142:						
Meeks, extremely bouldery	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7143:						
Inville	0-2	---	---	5	5	56
	2-12	.10	.15			
	12-37	.05	.20			
	37-56	.02	.20			
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Christopher gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-5	.10	.15			
	5-32	.15	.15			
	32-41	.10	.15			
	41-71	.05	.17			
Jorge very gravelly sandy loam	0-2	---	---	5	6	48
	2-24	.05	.17			
	24-32	.17	.43			
	32-48	.15	.37			
	48-84	.05	.20			
Meeks, extremely bouldery	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7151:						
Jorge very cobbly fine sandy loam	0-2	---	---	5	8	0
	2-9	.10	.24			
	9-28	.10	.37			
	28-34	.10	.37			
	34-59	.15	.37			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7151:						
Tahoma	0-3	---	---	5	6	48
	3-14	.05	.15			
	14-22	.05	.17			
	22-38	.17	.37			
	38-59	.15	.24			
	59-71	.32	.37			
	71-81	---	---			
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Jorge very cobbly loam	0-1	---	---	5	7	38
	1-15	.10	.32			
	15-45	.10	.28			
	45-60	.17	.43			
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Sky	0-1	---	---	3	5	56
	1-2	---	---			
	2-3	.15	.24			
	3-5	.15	.28			
	5-24	.10	.37			
	24-34	---	---			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
Rock outcrop.						
7152:						
Jorge very cobbly fine sandy loam	0-2	---	---	5	8	0
	2-9	.10	.24			
	9-28	.10	.37			
	28-34	.10	.37			
	34-59	.15	.37			
Tahoma	0-3	---	---	5	6	48
	3-14	.05	.15			
	14-22	.05	.17			
	22-38	.17	.37			
	38-59	.15	.24			
	59-71	.32	.37			
	71-81	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7152:						
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Jorge very cobbly loam	0-1	---	---	5	7	38
	1-15	.10	.32			
	15-45	.10	.28			
	45-60	.17	.43			
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Sky	0-1	---	---	3	5	56
	1-2	---	---			
	2-3	.15	.24			
	3-5	.15	.28			
	5-24	.10	.37			
	24-34	---	---			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
Rock outcrop.						
7153:						
Jorge very cobbly fine sandy loam	0-2	---	---	5	8	0
	2-9	.10	.24			
	9-28	.10	.37			
	28-34	.10	.37			
	34-59	.15	.37			
Tahoma	0-3	---	---	5	6	48
	3-14	.05	.15			
	14-22	.05	.17			
	22-38	.17	.37			
	38-59	.15	.24			
	59-71	.32	.37			
	71-81	---	---			
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7153:						
Jorge very cobbly loam	0-1	---	---	5	7	38
	1-15	.10	.32			
	15-45	.10	.28			
	45-60	.17	.43			
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Sky	0-1	---	---	3	5	56
	1-2	---	---			
	2-3	.15	.24			
	3-5	.15	.28			
	5-24	.10	.37			
	24-34	---	---			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
Rock outcrop.						
7154:						
Jorge very cobbly loam	0-1	---	---	5	7	38
	1-15	.10	.32			
	15-45	.10	.28			
	45-60	.17	.43			
Rubble land.						
Tahoma	0-3	---	---	5	6	48
	3-14	.05	.15			
	14-22	.05	.17			
	22-38	.17	.37			
	38-59	.15	.24			
	59-71	.32	.37			
	71-81	---	---			
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Rock outcrop.						
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7154:						
Tahoe, gravelly	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
7155:						
Jorge very cobbly loam	0-1	---	---	5	7	38
	1-15	.10	.32			
	15-45	.10	.28			
	45-60	.17	.43			
Rubble land.						
Tahoma	0-3	---	---	5	6	48
	3-14	.05	.15			
	14-22	.05	.17			
	22-38	.17	.37			
	38-59	.15	.24			
	59-71	.32	.37			
	71-81	---	---			
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Rock outcrop.						
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Tahoe, gravelly	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
7156:						
Jorge very gravelly sandy loam	0-2	---	---	5	6	48
	2-24	.05	.17			
	24-32	.17	.43			
	32-48	.15	.37			
	48-84	.05	.20			
Tahoma	0-3	---	---	5	6	48
	3-14	.05	.15			
	14-22	.05	.17			
	22-38	.17	.37			
	38-59	.15	.24			
	59-71	.32	.37			
	71-81	---	---			
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7156:						
Inville	0-2	---	---	5	5	56
	2-12	.10	.15			
	12-37	.05	.20			
	37-56	.02	.20			
Rubble land.						
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Rock outcrop.						
Tahoe, gravelly	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
7157:						
Jorge very gravelly sandy loam	0-2	---	---	5	6	48
	2-24	.05	.17			
	24-32	.17	.43			
	32-48	.15	.37			
	48-84	.05	.20			
Tahoma	0-3	---	---	5	6	48
	3-14	.05	.15			
	14-22	.05	.17			
	22-38	.17	.37			
	38-59	.15	.24			
	59-71	.32	.37			
	71-81	---	---			
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Inville	0-2	---	---	5	5	56
	2-12	.10	.15			
	12-37	.05	.20			
	37-56	.02	.20			
Rubble land.						
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Rock outcrop.						
Tahoe, gravelly	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7161:						
Kingsbeach	0-1	---	---	5	5	56
	1-6	.17	.28			
	6-20	.43	.43			
	20-30	.28	.28			
	30-61	.37	.37			
Tahoma	0-3	---	---	5	6	48
	3-14	.05	.15			
	14-22	.05	.17			
	22-38	.17	.37			
	38-59	.15	.24			
	59-71	.32	.37			
	71-81	---	---			
Jorge very gravelly sandy loam	0-2	---	---	5	6	48
	2-24	.05	.17			
	24-32	.17	.43			
	32-48	.15	.37			
	48-84	.05	.20			
Beaches.						
Dunes.						
7171:						
Kneeridge, extremely stony	0-2	---	---	5	5	56
	2-16	.05	.10			
	16-39	.15	.20			
	39-79	.20	.32			
Jorge very gravelly sandy loam	0-2	---	---	5	6	48
	2-24	.05	.17			
	24-32	.17	.43			
	32-48	.15	.37			
	48-84	.05	.20			
Paige	0-3	---	---	5	3	86
	3-20	.20	.24			
	20-48	.20	.28			
	48-62	.43	.64			
	62-80	.10	.43			
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Tahoe, gravelly	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
7172:						
Kneeridge, well drained	0-2	---	---	5	5	56
	2-16	.05	.10			
	16-39	.15	.20			
	39-79	.20	.32			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7172:						
Jorge very gravelly sandy loam---------	0-2	---	---	5	6	48
	2-24	.05	.17			
	24-32	.17	.43			
	32-48	.15	.37			
	48-84	.05	.20			
Paige----------	0-3	---	---	5	3	86
	3-20	.20	.24			
	20-48	.20	.28			
	48-62	.43	.64			
	62-80	.10	.43			
Waca----------	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Tahoe, gravelly----------	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
7173:						
Kneeridge, very stony----------	0-2	---	---	5	5	56
	2-16	.05	.10			
	16-39	.15	.20			
	39-79	.20	.32			
Jorge very gravelly sandy loam---------	0-2	---	---	5	6	48
	2-24	.05	.17			
	24-32	.17	.43			
	32-48	.15	.37			
	48-84	.05	.20			
Paige----------	0-3	---	---	5	3	86
	3-20	.20	.24			
	20-48	.20	.28			
	48-62	.43	.64			
	62-80	.10	.43			
Waca----------	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Tahoe, gravelly----------	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
7174:						
Kneeridge, very stony----------	0-2	---	---	5	5	56
	2-16	.05	.10			
	16-39	.15	.20			
	39-79	.20	.32			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7174:						
Jorge very gravelly sandy loam---------	0-2	---	---	5	6	48
	2-24	.05	.17			
	24-32	.17	.43			
	32-48	.15	.37			
	48-84	.05	.20			
Paige----------	0-3	---	---	5	3	86
	3-20	.20	.24			
	20-48	.20	.28			
	48-62	.43	.64			
	62-80	.10	.43			
Waca----------	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Tahoe, gravelly----------	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
7181:						
Paige----------	0-3	---	---	5	3	86
	3-20	.20	.24			
	20-48	.20	.28			
	48-62	.43	.64			
	62-80	.10	.43			
Kneeridge, well drained----------	0-2	---	---	5	5	56
	2-16	.05	.10			
	16-39	.15	.20			
	39-79	.20	.32			
Jorge very gravelly sandy loam---------	0-2	---	---	5	6	48
	2-24	.05	.17			
	24-32	.17	.43			
	32-48	.15	.37			
	48-84	.05	.20			
Tahoe, gravelly----------	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
Waca----------	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
7182:						
Paige----------	0-3	---	---	5	3	86
	3-20	.20	.24			
	20-48	.20	.28			
	48-62	.43	.64			
	62-80	.10	.43			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7182:						
Jorge very gravelly sandy loam---------	0-2	---	---	5	6	48
	2-24	.05	.17			
	24-32	.17	.43			
	32-48	.15	.37			
	48-84	.05	.20			
Tahoma----------	0-3	---	---	5	6	48
	3-14	.05	.15			
	14-22	.05	.17			
	22-38	.17	.37			
	38-59	.15	.24			
	59-71	.32	.37			
	71-81	---	---			
Waca----------	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Kneeridge, well drained----------	0-2	---	---	5	5	56
	2-16	.05	.10			
	16-39	.15	.20			
	39-79	.20	.32			
Tahoe, gravelly----------	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
7183:						
Paige----------	0-3	---	---	5	3	86
	3-20	.20	.24			
	20-48	.20	.28			
	48-62	.43	.64			
	62-80	.10	.43			
Jorge very gravelly sandy loam---------	0-2	---	---	5	6	48
	2-24	.05	.17			
	24-32	.17	.43			
	32-48	.15	.37			
	48-84	.05	.20			
Tahoma----------	0-3	---	---	5	6	48
	3-14	.05	.15			
	14-22	.05	.17			
	22-38	.17	.37			
	38-59	.15	.24			
	59-71	.32	.37			
	71-81	---	---			
Waca----------	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7183:						
Tahoe, gravelly	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
7191:						
Rock outcrop, volcanic.						
Glenalpine	0-11	.05	.10	4	8	0
	11-40	.05	.24			
	40-50	.10	.43			
	50-59	.10	.43			
Lithnip	0-2	.05	.28	1	8	0
	2-5	.10	.32			
	5-15	---	---			
Meiss	0-6	.15	.32	1	7	38
	6-13	.17	.32			
	13-23	---	---			
Melody	0-1	---	---	1	8	0
	1-2	.10	.24			
	2-9	.05	.28			
	9-15	.05	.28			
	15-25	---	---			
Rubble land.						
7201:						
Rubble land, talus.						
Glenalpine	0-11	.05	.10	4	8	0
	11-40	.05	.24			
	40-50	.10	.43			
	50-59	.10	.43			
Rock outcrop.						
Rockbound very stony loam	0-2	.05	.15	1	8	0
	2-5	.05	.24			
	5-17	.05	.20			
	17-27	---	---			
7211:						
Southcamp	0-2	---	---	5	6	48
	2-4	.05	.10			
	4-15	.05	.28			
	15-34	.02	.24			
	34-53	.02	.28			
	53-60	.02	.28			
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Genoapeak	0-2	---	---	1	8	0
	2-4	.05	.20			
	4-7	.05	.24			
	7-16	.02	.32			
	16-60	.02	.32			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7211:						
Zephyrcove	0-2	---	---	3	5	56
	2-4	---	---			
	4-7	.15	.20			
	7-16	.20	.32			
	16-35	.20	.32			
	35-44	---	---			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Deerhill	0-1	---	---	5	3	86
	1-9	.15	.17			
	1-9	.15	.17			
	9-35	.20	.32			
	35-51	.37	.37			
	51-65	.05	.37			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7221:						
Tahoma	0-3	---	---	5	6	48
	3-14	.05	.15			
	14-22	.05	.17			
	22-38	.17	.37			
	38-59	.15	.24			
	59-71	.32	.37			
	71-81	---	---			
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Inville	0-2	---	---	5	5	56
	2-12	.10	.15			
	12-37	.05	.20			
	37-56	.02	.20			
Rubble land.						

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7221:						
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Rock outcrop.						
7222:						
Tahoma	0-3	---	---	5	6	48
	3-14	.05	.15			
	14-22	.05	.17			
	22-38	.17	.37			
	38-59	.15	.24			
	59-71	.32	.37			
	71-81	---	---			
Jorge very gravelly sandy loam	0-2	---	---	5	6	48
	2-24	.05	.17			
	24-32	.17	.43			
	32-48	.15	.37			
	48-84	.05	.20			
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Inville	0-2	---	---	5	5	56
	2-12	.10	.15			
	12-37	.05	.20			
	37-56	.02	.20			
Rubble land.						
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Rock outcrop.						
Tahoe, gravelly	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7231:						
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Rock outcrop.						
Windy	0-2	---	---	4	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-49	.05	.20			
	49-59	---	---			
Kneeridge, well drained	0-2	---	---	5	5	56
	2-16	.05	.10			
	16-39	.15	.20			
	39-79	.20	.32			
Paige	0-3	---	---	5	3	86
	3-20	.20	.24			
	20-48	.20	.28			
	48-62	.43	.64			
	62-80	.10	.43			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7232:						
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Rock outcrop.						

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7232:						
Windy	0-2	---	---	4	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-49	.05	.20			
	49-59	---	---			
Kneeridge, well drained	0-2	---	---	5	5	56
	2-16	.05	.10			
	16-39	.15	.20			
	39-79	.20	.32			
Paige	0-3	---	---	5	3	86
	3-20	.20	.24			
	20-48	.20	.28			
	48-62	.43	.64			
	62-80	.10	.43			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
Typic Epiaquents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.10	.10			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7233:						
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Rock outcrop.						
Windy	0-2	---	---	4	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-49	.05	.20			
	49-59	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7233:						
Kneeridge, well drained	0-2	---	---	5	5	56
	2-16	.05	.10			
	16-39	.15	.20			
	39-79	.20	.32			
Paige	0-3	---	---	5	3	86
	3-20	.20	.24			
	20-48	.20	.28			
	48-62	.43	.64			
	62-80	.10	.43			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7241:						
Zephyrcove	0-2	---	---	3	5	56
	2-4	---	---			
	4-7	.15	.20			
	7-16	.20	.32			
	16-35	.20	.32			
	35-44	---	---			
Southcamp	0-2	---	---	5	6	48
	2-4	.05	.10			
	4-15	.05	.28			
	15-34	.02	.24			
	34-53	.02	.28			
	53-60	.02	.28			
Genoapeak	0-2	---	---	1	8	0
	2-4	.05	.20			
	4-7	.05	.24			
	7-16	.02	.32			
	16-60	.02	.32			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Deerhill	0-1	---	---	5	3	86
	1-9	.15	.17			
	1-9	.15	.17			
	9-35	.20	.32			
	35-51	.37	.37			
	51-65	.05	.37			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7241:						
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7242:						
Zephyrcove	0-2	---	---	3	5	56
	2-4	---	---			
	4-7	.15	.20			
	7-16	.20	.32			
	16-35	.20	.32			
	35-44	---	---			
Southcamp	0-2	---	---	5	6	48
	2-4	.05	.10			
	4-15	.05	.28			
	15-34	.02	.24			
	34-53	.02	.28			
	53-60	.02	.28			
Genoapeak	0-2	---	---	1	8	0
	2-4	.05	.20			
	4-7	.05	.24			
	7-16	.02	.32			
	16-60	.02	.32			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Deerhill	0-1	---	---	5	3	86
	1-9	.15	.17			
	1-9	.15	.17			
	9-35	.20	.32			
	35-51	.37	.37			
	51-65	.05	.37			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7401:						
Burnlake	0-2	.05	.15	5	8	0
	2-17	.10	.32			
	17-26	.10	.32			
	26-60	.05	.17			
Roadcat	0-8	.05	.15	5	6	48
	8-19	.05	.15			
	19-36	.05	.15			
	36-60	.05	.15			
Hardtil	0-3	.05	.15	1	3	86
	3-7	.10	.24			
	7-18	.10	.24			
	18-28	---	---			
Aquic Haplocryolls	0-12	.05	.15	5	6	48
	12-30	.10	.32			
	30-39	.10	.32			
	39-60	.05	.17			
Aspetill	0-5	.15	.24	5	6	48
	5-26	.10	.37			
	26-60	.10	.37			
Cumulic Cryaquolls	0-12	.05	.15	5	6	48
	12-30	.10	.32			
	30-39	.10	.32			
	39-60	.05	.17			
Stumpatil	0-6	.05	.20	5	6	48
	6-11	.10	.24			
	11-26	.10	.28			
	26-33	.10	.28			
	33-60	.10	.28			
Typic Haploxerepts	0-8	.05	.15	5	3	86
	8-19	.05	.15			
	19-36	.05	.15			
	36-60	.05	.15			
Rock outcrop.						
7411:						
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Rock outcrop, granitic.						
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Toem	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7411:						
Dagget very gravelly loamy coarse sand	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Temo	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			
Witefels	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
7412:						
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Rock outcrop, granitic.						
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Toem	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
Dagget very gravelly loamy coarse sand	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Temo	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			
Witefels	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7413:						
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Rock outcrop, granitic.						
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Toem	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
Dagget very gravelly loamy coarse sand	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Temo	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			
Witefels	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
7414:						
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Rock outcrop, granitic.						
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Toem	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7414:						
Dagget very gravelly loamy coarse sand	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Temo	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			
Witefels	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
7421:						
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Toem	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
Rock outcrop.						
Christopher gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-5	.10	.15			
	5-32	.15	.15			
	32-41	.10	.15			
	41-71	.05	.17			
Christopher loamy coarse sand	0-1	---	---	5	2	134
	1-8	.15	.17			
	8-26	.15	.20			
	26-42	.15	.20			
	42-61	.15	.20			
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7422:						
Cassenai gravelly loamy coarse sand----	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Cagwin----------	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Dagget very gravelly loamy coarse sand	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Toem----------	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
Aquic Xerorthents----------	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
Christopher gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-5	.10	.15			
	5-32	.15	.15			
	32-41	.10	.15			
	41-71	.05	.17			
Rock outcrop.						
7423:						
Cassenai gravelly loamy coarse sand----	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Cagwin----------	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Toem----------	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
Rock outcrop.						

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7423:						
Christopher gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-5	.10	.15			
	5-32	.15	.15			
	32-41	.10	.15			
	41-71	.05	.17			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7424:						
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Toem	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
Rock outcrop.						
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7425:						
Cassenai, moist	0-3	---	---	5	2	134
	3-11	.05	.10			
	11-20	.10	.17			
	20-63	.05	.15			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Meeks, extremely bouldery	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7425:						
Tallac, very stony	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Rock outcrop.						
Toem	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
7426:						
Cassenai, moist	0-3	---	---	5	2	134
	3-11	.05	.10			
	11-20	.10	.17			
	20-63	.05	.15			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Tallac, very stony	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Meeks, extremely bouldery	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Rock outcrop.						
Toem	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7426:						
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
7427:						
Cassenai, moist	0-3	---	---	5	2	134
	3-11	.05	.10			
	11-20	.10	.17			
	20-63	.05	.15			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Meeks, extremely bouldery	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Toem	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
Rock outcrop.						
Tallac, very stony	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7428:						
Cassenai, moist	0-3	---	---	5	2	134
	3-11	.05	.10			
	11-20	.10	.17			
	20-63	.05	.15			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7428:						
Meeks, extremely bouldery	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Toem	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
Rock outcrop.						
Tallac, very stony	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7431:						
Celio	0-8	.10	.10	4	2	134
	8-16	.05	.15			
	16-23	.05	.15			
	23-45	.02	.05			
	45-56	.15	.15			
	56-80	.02	.10			
Meeks, stony	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Tahoe, gravelly	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
Watah	0-3	---	---	5	8	0
	3-8	---	---			
	8-15	.10	.15			
	15-63	.10	.20			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7441:						
Christopher loamy coarse sand----------	0-1	---	---	5	2	134
	1-8	.15	.17			
	8-26	.15	.20			
	26-42	.15	.20			
	42-61	.15	.20			
Gefo gravelly loamy coarse sand--------	0-15	.05	.10	5	2	134
	15-75	.02	.05			
Jabu----------	0-1	---	---	4	3	86
	1-7	.15	.20			
	7-21	.17	.24			
	21-46	.15	.24			
	46-67	.28	.37			
	67-73	.24	.32			
	73-101	.24	.32			
Oneidas----------	0-1	---	---	3	3	86
	1-9	.17	.24			
	9-12	.24	.28			
	12-65	.20	.28			
	65-79	.15	.20			
Marla----------	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
7442:						
Christopher loamy coarse sand----------	0-1	---	---	5	2	134
	1-8	.15	.17			
	8-26	.15	.20			
	26-42	.15	.20			
	42-61	.15	.20			
Gefo gravelly loamy coarse sand--------	0-15	.05	.10	5	2	134
	15-75	.02	.05			
Jabu----------	0-1	---	---	4	3	86
	1-7	.15	.20			
	7-21	.17	.24			
	21-46	.15	.24			
	46-67	.28	.37			
	67-73	.24	.32			
	73-101	.24	.32			
Oneidas----------	0-1	---	---	3	3	86
	1-9	.17	.24			
	9-12	.24	.28			
	12-65	.20	.28			
	65-79	.15	.20			
Marla----------	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7443:						
Christopher gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-5	.10	.15			
	5-32	.15	.15			
	32-41	.10	.15			
	41-71	.05	.17			
Gefo gravelly loamy coarse sand--------	0-15	.05	.10	5	2	134
	15-75	.02	.05			
Jabu----------	0-1	---	---	4	3	86
	1-7	.15	.20			
	7-21	.17	.24			
	21-46	.15	.24			
	46-67	.28	.37			
	67-73	.24	.32			
	73-101	.24	.32			
Oneidas----------	0-1	---	---	3	3	86
	1-9	.17	.24			
	9-12	.24	.28			
	12-65	.20	.28			
	65-79	.15	.20			
Marla----------	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
7444:						
Christopher loamy coarse sand----------	0-1	---	---	5	2	134
	1-8	.15	.17			
	8-26	.15	.20			
	26-42	.15	.20			
	42-61	.15	.20			
Gefo gravelly loamy coarse sand--------	0-15	.05	.10	5	2	134
	15-75	.02	.05			
Jabu----------	0-1	---	---	4	3	86
	1-7	.15	.20			
	7-21	.17	.24			
	21-46	.15	.24			
	46-67	.28	.37			
	67-73	.24	.32			
	73-101	.24	.32			
Marla----------	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
Oneidas----------	0-1	---	---	3	3	86
	1-9	.17	.24			
	9-12	.24	.28			
	12-65	.20	.28			
	65-79	.15	.20			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7444:						
Ubaj	0	---	---	5	3	86
	0-7	.20	.20			
	7-17	.17	.17			
	17-28	.20	.20			
	28-42	.37	.37			
	42-49	.28	.28			
	49-120	.28	.28			
7451:						
Gefo gravelly loamy coarse sand	0-15	.05	.10	5	2	134
	15-75	.02	.05			
Christopher loamy coarse sand	0-1	---	---	5	2	134
	1-8	.15	.17			
	8-26	.15	.20			
	26-42	.15	.20			
	42-61	.15	.20			
Jabu	0-1	---	---	4	3	86
	1-7	.15	.20			
	7-21	.17	.24			
	21-46	.15	.24			
	46-67	.28	.37			
	67-73	.24	.32			
	73-101	.24	.32			
Oneidas	0-1	---	---	3	3	86
	1-9	.17	.24			
	9-12	.24	.28			
	12-65	.20	.28			
	65-79	.15	.20			
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
7452:						
Gefo gravelly loamy coarse sand	0-15	.05	.10	5	2	134
	15-75	.02	.05			
Christopher loamy coarse sand	0-1	---	---	5	2	134
	1-8	.15	.17			
	8-26	.15	.20			
	26-42	.15	.20			
	42-61	.15	.20			
Jabu	0-1	---	---	4	3	86
	1-7	.15	.20			
	7-21	.17	.24			
	21-46	.15	.24			
	46-67	.28	.37			
	67-73	.24	.32			
	73-101	.24	.32			
Oneidas	0-1	---	---	3	3	86
	1-9	.17	.24			
	9-12	.24	.28			
	12-65	.20	.28			
	65-79	.15	.20			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7452:						
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
7461:						
Jabu	0-1	---	---	4	3	86
	1-7	.15	.20			
	7-21	.17	.24			
	21-46	.15	.24			
	46-67	.28	.37			
	67-73	.24	.32			
	73-101	.24	.32			
Christopher loamy coarse sand	0-1	---	---	5	2	134
	1-8	.15	.17			
	8-26	.15	.20			
	26-42	.15	.20			
	42-61	.15	.20			
Oneidas	0-1	---	---	3	3	86
	1-9	.17	.24			
	9-12	.24	.28			
	12-65	.20	.28			
	65-79	.15	.20			
Gefo gravelly loamy coarse sand	0-15	.05	.10	5	2	134
	15-75	.02	.05			
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
7462:						
Jabu	0-1	---	---	4	3	86
	1-7	.15	.20			
	7-21	.17	.24			
	21-46	.15	.24			
	46-67	.28	.37			
	67-73	.24	.32			
	73-101	.24	.32			
Christopher loamy coarse sand	0-1	---	---	5	2	134
	1-8	.15	.17			
	8-26	.15	.20			
	26-42	.15	.20			
	42-61	.15	.20			
Oneidas	0-1	---	---	3	3	86
	1-9	.17	.24			
	9-12	.24	.28			
	12-65	.20	.28			
	65-79	.15	.20			
Gefo gravelly loamy coarse sand	0-15	.05	.10	5	2	134
	15-75	.02	.05			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7462:						
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
7471:						
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
Christopher loamy coarse sand	0-1	---	---	5	2	134
	1-8	.15	.17			
	8-26	.15	.20			
	26-42	.15	.20			
	42-61	.15	.20			
Gefo gravelly loamy coarse sand	0-15	.05	.10	5	2	134
	15-75	.02	.05			
Tahoe silt loam	0-3	---	---	5	3	86
	3-11	.37	.37			
	11-15	.43	.43			
	15-20	.05	.15			
	20-30	.43	.43			
	30-49	.43	.43			
	49-59	.24	.24			
Ubaj	0	---	---	5	3	86
	0-7	.20	.20			
	7-17	.17	.17			
	17-28	.20	.20			
	28-42	.37	.37			
	42-49	.28	.28			
	49-120	.28	.28			
Watah	0-3	---	---	5	8	0
	3-8	---	---			
	8-15	.10	.15			
	15-63	.10	.20			
7481:						
Meeks, stony	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Celio	0-8	.10	.10	4	2	134
	8-16	.05	.15			
	16-23	.05	.15			
	23-45	.02	.05			
	45-56	.15	.15			
	56-80	.02	.10			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7481:						
Gefo gravelly loamy coarse sand--------	0-15	.05	.10	5	2	134
	15-75	.02	.05			
Tahoe, gravelly------------------------	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
7482:						
Meeks, stony---------------------------	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Cassenai gravelly loamy coarse sand----	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Oneidas--------------------------------	0-1	---	---	3	3	86
	1-9	.17	.24			
	9-12	.24	.28			
	12-65	.20	.28			
	65-79	.15	.20			
Celio----------------------------------	0-8	.10	.10	4	2	134
	8-16	.05	.15			
	16-23	.05	.15			
	23-45	.02	.05			
	45-56	.15	.15			
	56-80	.02	.10			
7483:						
Meeks, very stony----------------------	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Cassenai gravelly loamy coarse sand----	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Celio----------------------------------	0-8	.10	.10	4	2	134
	8-16	.05	.15			
	16-23	.05	.15			
	23-45	.02	.05			
	45-56	.15	.15			
	56-80	.02	.10			
Jabu-----------------------------------	0-1	---	---	4	3	86
	1-7	.15	.20			
	7-21	.17	.24			
	21-46	.15	.24			
	46-67	.28	.37			
	67-73	.24	.32			
	73-101	.24	.32			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7484:						
Meeks, extremely bouldery	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Burnlake	0-2	.05	.20	5	8	0
	2-17	.05	.20			
	17-26	.10	.24			
	26-60	.05	.17			
Meeks, rubbly	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Dagget, moist	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Tallac, very stony	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Roadcat	0-8	.05	.15	5	5	56
	8-19	.05	.15			
	19-36	.05	.15			
	36-60	.05	.15			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
Jabu	0-1	---	---	4	3	86
	1-7	.15	.20			
	7-21	.17	.24			
	21-46	.15	.24			
	46-67	.28	.37			
	67-73	.24	.32			
	73-101	.24	.32			
7485:						
Meeks, extremely bouldery	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Burnlake	0-2	.05	.20	5	8	0
	2-17	.05	.20			
	17-26	.10	.24			
	26-60	.05	.17			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7485:						
Meeks, rubbly	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Dagget, moist	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Tallac, very stony	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Roadcat	0-8	.05	.15	5	5	56
	8-19	.05	.15			
	19-36	.05	.15			
	36-60	.05	.15			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
Jabu	0-1	---	---	4	3	86
	1-7	.15	.20			
	7-21	.17	.24			
	21-46	.15	.24			
	46-67	.28	.37			
	67-73	.24	.32			
	73-101	.24	.32			
7486:						
Meeks, extremely bouldery	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Burnlake	0-2	.05	.20	5	8	0
	2-17	.05	.20			
	17-26	.10	.24			
	26-60	.05	.17			
Meeks, rubbly	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Dagget, moist	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7486:						
Tallac, very stony	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Roadcat	0-8	.05	.15	5	5	56
	8-19	.05	.15			
	19-36	.05	.15			
	36-60	.05	.15			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
Jabu	0-1	---	---	4	3	86
	1-7	.15	.20			
	7-21	.17	.24			
	21-46	.15	.24			
	46-67	.28	.37			
	67-73	.24	.32			
	73-101	.24	.32			
7487:						
Meeks, rubbly	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Burnlake	0-2	.05	.20	5	8	0
	2-17	.05	.20			
	17-26	.10	.24			
	26-60	.05	.17			
Rockbound very gravelly loam	0-6	.05	.17	1	3	86
	6-8	.10	.24			
	8-20	---	---			
Roadcat	0-8	.05	.15	5	5	56
	8-19	.05	.15			
	19-36	.05	.15			
	36-60	.05	.15			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7487:						
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
Rock outcrop.						
Rubble land.						
7488:						
Meeks, rubbly	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Burnlake	0-2	.05	.20	5	8	0
	2-17	.05	.20			
	17-26	.10	.24			
	26-60	.05	.17			
Rockbound very gravelly loam	0-6	.05	.17	1	3	86
	6-8	.10	.24			
	8-20	---	---			
Roadcat	0-8	.05	.15	5	5	56
	8-19	.05	.15			
	19-36	.05	.15			
	36-60	.05	.15			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
Rock outcrop.						
Rubble land.						

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7489:						
Meeks, rubbly	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Burnlake	0-2	.05	.20	5	8	0
	2-17	.05	.20			
	17-26	.10	.24			
	26-60	.05	.17			
Rockbound very stony loam	0-2	.05	.15	1	8	0
	2-5	.05	.24			
	5-17	.05	.20			
	17-27	---	---			
Roadcat	0-8	.05	.15	5	5	56
	8-19	.05	.15			
	19-36	.05	.15			
	36-60	.05	.15			
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Rock outcrop.						
Rubble land.						
Toem	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
7491:						
Oneidas	0-1	---	---	3	3	86
	1-9	.17	.24			
	9-12	.24	.28			
	12-65	.20	.28			
	65-79	.15	.20			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7491:						
Jabu	0-1	---	---	4	3	86
	1-7	.15	.20			
	7-21	.17	.24			
	21-46	.15	.24			
	46-67	.28	.37			
	67-73	.24	.32			
	73-101	.24	.32			
Christopher loamy coarse sand	0-1	---	---	5	2	134
	1-8	.15	.17			
	8-26	.15	.20			
	26-42	.15	.20			
	42-61	.15	.20			
Meeks, stony	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Gefo gravelly loamy coarse sand	0-15	.05	.10	5	2	134
	15-75	.02	.05			
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
7492:						
Oneidas	0-1	---	---	3	3	86
	1-9	.17	.24			
	9-12	.24	.28			
	12-65	.20	.28			
	65-79	.15	.20			
Jabu	0-1	---	---	4	3	86
	1-7	.15	.20			
	7-21	.17	.24			
	21-46	.15	.24			
	46-67	.28	.37			
	67-73	.24	.32			
	73-101	.24	.32			
Christopher loamy coarse sand	0-1	---	---	5	2	134
	1-8	.15	.17			
	8-26	.15	.20			
	26-42	.15	.20			
	42-61	.15	.20			
Meeks, stony	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Gefo gravelly loamy coarse sand	0-15	.05	.10	5	2	134
	15-75	.02	.05			
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7500:						
Rock outcrop, granitic.						
Rockbound very stony loam----------	0-2	.05	.15	1	8	0
	2-5	.05	.24			
	5-17	.05	.20			
	17-27	---	---			
Rubble land.						
Toem----------	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
Windyridge----------	0-2	.05	.17	1	8	0
	2-10	.05	.17			
	10-20	---	---			
Freelpeak----------	0-2	.02	.02	3	8	0
	2-4	.02	.10			
	4-8	.05	.10			
	8-36	.10	.28			
	36-46	---	---			
Jobsis----------	0-1	.10	.20	1	3	86
	1-5	.10	.20			
	5-9	.10	.24			
	9-12	.10	.24			
	12-17	.10	.24			
	17-20	.05	.17			
	20-30	---	---			
7501:						
Rock outcrop, granitic.						
Rockbound very gravelly loam----------	0-6	.05	.17	1	3	86
	6-8	.10	.24			
	8-20	---	---			
Dagget, moist----------	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Meeks, rubbly----------	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Temo----------	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			
Witefels----------	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7502:						
Rock outcrop, granitic.						
Rockbound very stony loam	0-2	.05	.15	1	8	0
	2-5	.05	.24			
	5-17	.05	.20			
	17-27	---	---			
Dagget, moist	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Glenalpine	0-11	.05	.10	4	8	0
	11-40	.05	.24			
	40-50	.10	.43			
	50-59	.10	.43			
Rubble land.						
Temo	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			
Witefels	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			
7511:						
Shalgran	0-3	.05	.17	1	2	134
	3-14	.10	.15			
	14-24	---	---			
Rock outcrop.						
Sofgran	0-3	.10	.15	5	3	86
	3-6	.10	.15			
	6-9	.05	.17			
	9-19	.05	.17			
	19-27	.05	.17			
	27-45	.05	.17			
	45-60	.05	.17			
Dystric Xerorthents	0-3	.05	.17	2	5	56
	3-38	.10	.15			
	38-41	---	---			
Burnlake	0-2	.05	.15	5	8	0
	2-17	.10	.32			
	17-26	.10	.32			
	26-60	.05	.17			
Jobsis	0-5	.05	.17	1	3	86
	5-9	.05	.17			
	9-17	.05	.17			
	17-20	.05	.17			
	20-30	---	---			
Temo	0-10	.05	.17	2	3	86
	10-16	.10	.17			
	16-26	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7521:						
Tallac, very stony	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Tallac, rubbly	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Tallac, moderately well drained	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Meeks, extremely bouldery	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7522:						
Tallac, very stony	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Meeks, extremely bouldery	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7522:						
Cassenai gravelly loamy coarse sand----	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Dagget, moist----------	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Rockbound very gravelly loam----------	0-6	.05	.17	1	3	86
	6-8	.10	.24			
	8-20	---	---			
7523:						
Tallac, very stony----------	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Meeks, extremely bouldery----------	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Aquic Xerorthents----------	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
Cagwin----------	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Cassenai gravelly loamy coarse sand----	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Dagget, moist----------	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Rockbound very stony loam----------	0-2	.05	.15	1	8	0
	2-5	.05	.24			
	5-17	.05	.20			
	17-27	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7524:						
Tallac, moderately well drained--------	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Tallac, moderately well drained, 5 to 9 percent slopes----------	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Meeks, very stony----------	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Callat----------	0	---	---	4	6	48
	0-9	.05	.17			
	9-15	.10	.32			
	15-24	.15	.43			
	24-41	.10	.43			
Tahoe, gravelly----------	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
7525:						
Tallac, moderately well drained--------	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Tallac, moderately well drained, 0 to 5 percent slopes----------	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Meeks, extremely bouldery----------	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Callat----------	0	---	---	4	6	48
	0-9	.05	.17			
	9-15	.10	.32			
	15-24	.15	.43			
	24-41	.10	.43			
Tahoe, gravelly----------	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7526:						
Tallac, rubbly	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Tallac, moderately well drained	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Tallac, very stony	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
7531:						
Toem	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
Rock outcrop, granitic.						
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Cassenai gravelly loamy coarse sand	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
7532:						
Toem	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
Rock outcrop, granitic.						
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7532:						
Cassenai gravelly loamy coarse sand----	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
Dagget very gravelly loamy coarse sand	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
7533:						
Toem----------	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
Rock outcrop, granitic.						
Cagwin----------	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Cassenai gravelly loamy coarse sand----	0-1	---	---	5	2	134
	1-6	.05	.10			
	6-43	.10	.15			
	43-79	.10	.20			
7541:						
Ubaj----------	0	---	---	5	3	86
	0-7	.20	.20			
	7-17	.17	.17			
	17-28	.20	.20			
	28-42	.37	.37			
	42-49	.28	.28			
	49-120	.28	.28			
Christopher loamy coarse sand----------	0-1	---	---	5	2	134
	1-8	.15	.17			
	8-26	.15	.20			
	26-42	.15	.20			
	42-61	.15	.20			
Jabu----------	0-1	---	---	4	3	86
	1-7	.15	.20			
	7-21	.17	.24			
	21-46	.15	.24			
	46-67	.28	.37			
	67-73	.24	.32			
	73-101	.24	.32			
Oneidas----------	0-1	---	---	3	3	86
	1-9	.17	.24			
	9-12	.24	.28			
	12-65	.20	.28			
	65-79	.15	.20			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
7541:						
Gefo gravelly loamy coarse sand--------	0-15	.05	.10	5	2	134
	15-75	.02	.05			
Marla----------	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
9001:						
Bidart mucky silt loam----------	0-3	---	---	5	3	86
	3-9	.32	.37			
	9-16	.37	.37			
	16-17	.02	.10			
	17-39	.32	.32			
	39-59	.15	.17			
Bidart, wet----------	0-3	---	---	5	3	86
	3-9	.32	.37			
	9-16	.37	.37			
	16-17	.02	.10			
	17-39	.32	.32			
	39-59	.15	.17			
Tahoe, gravelly----------	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
Tahoe silt loam----------	0-3	---	---	5	3	86
	3-11	.37	.37			
	11-15	.43	.43			
	15-20	.05	.15			
	20-30	.43	.43			
	30-49	.43	.43			
	49-59	.24	.24			
Watah----------	0-3	---	---	5	8	0
	3-8	---	---			
	8-15	.10	.15			
	15-63	.10	.20			
Water.						
Hellhole----------	0-11	---	---	3	8	0
	11-59	---	---			
	59-118	---	---			
9011:						
Oxyaquic Cryorthents----------	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9011:						
Aquic Xerorthents	0	---	---	4	3	86
	0-1	---	---			
	1-4	.05	.05			
	4-9	.10	.10			
	9-14	.15	.15			
	14-29	.15	.20			
	29-41	.10	.20			
	41-45	.15	.17			
	45-59	.20	.20			
Tahoe, gravelly	0-10	.17	.24	5	7	38
	10-27	.20	.28			
	27-32	.20	.28			
	32-46	.10	.15			
Bidart mucky silt loam	0-3	---	---	5	3	86
	3-9	.32	.37			
	9-16	.37	.37			
	16-17	.02	.10			
	17-39	.32	.32			
	39-59	.15	.17			
Watah	0-3	---	---	5	8	0
	3-8	---	---			
	8-15	.10	.15			
	15-63	.10	.20			
Marla	0-3	---	---	5	2	134
	3-14	.17	.17			
	14-47	.24	.24			
	47-59	.32	.32			
	59-68	.32	.32			
Riverwash.						
9101:						
Callat	0	---	---	4	6	48
	0-9	.05	.17			
	9-15	.10	.32			
	15-24	.15	.43			
	24-41	.10	.43			
Glenalpine	0-11	.05	.10	4	8	0
	11-40	.05	.24			
	40-50	.10	.43			
	50-59	.10	.43			
Meeks, extremely bouldery	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Tallac, very stony	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Rock outcrop.						

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9101:						
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
9102:						
Callat	0	---	---	4	6	48
	0-9	.05	.17			
	9-15	.10	.32			
	15-24	.15	.43			
	24-41	.10	.43			
Glenalpine	0-11	.05	.10	4	8	0
	11-40	.05	.24			
	40-50	.10	.43			
	50-59	.10	.43			
Meeks, extremely bouldery	0-2	---	---	5	2	134
	2-13	.02	.02			
	13-63	.02	.10			
	63-73	.17	.24			
Tallac, very stony	0-1	---	---	4	5	56
	1-22	.10	.17			
	22-32	.05	.28			
	32-43	.15	.37			
	43-66	.17	.37			
Rock outcrop.						
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
9111:						
Florand	0-1	.10	.24	3	6	48
	1-4	.10	.24			
	4-12	.15	.24			
	12-18	.15	.24			
	18-28	.10	.24			
	28-38	.10	.24			
	38-47	.15	.24			
	47-57	---	---			
Lostridge	0-3	.10	.24	2	6	48
	3-11	.10	.24			
	11-23	.10	.24			
	23-29	.10	.24			
	29-39	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9111:						
Fishsnooze	0-1	.10	.24	2	6	48
	1-9	.10	.24			
	9-13	.10	.24			
	13-35	.05	.24			
	35-45	---	---			
Aquic Haplocryolls	0-12	.05	.15	5	6	48
	12-30	.10	.32			
	30-39	.10	.32			
	39-60	.05	.17			
Lithnip, moist	0-1	.05	.28	1	8	0
	1-5	.10	.32			
	5-15	---	---			
Stumpatil	0-6	.05	.20	5	6	48
	6-11	.10	.24			
	11-26	.10	.28			
	26-33	.10	.28			
	33-60	.10	.28			
Lithnip	0-1	.05	.28	1	8	0
	1-5	.10	.32			
	5-15	---	---			
Morscour	0-2	.05	.24	1	8	0
	2-7	.05	.24			
	7-14	---	---			
	14-24	---	---			
Typic Cryaquolls	0-18	.10	.32	3	6	48
	18-60	.02	.17			
9121:						
Watsonlake	0-2	---	---	5	8	0
	2-8	.05	.10			
	8-18	.10	.24			
	18-27	.05	.20			
	27-35	.10	.20			
	35-52	.10	.24			
	52-67	.20	.32			
	67-77	---	---			
Jorge very cobbly fine sandy loam	0-2	---	---	5	8	0
	2-9	.10	.24			
	9-28	.10	.37			
	28-34	.10	.37			
	34-59	.15	.37			
Sky	0-1	---	---	3	5	56
	1-2	---	---			
	2-3	.15	.24			
	3-5	.15	.28			
	5-24	.10	.37			
	24-34	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9121:						
Tahoma	0-3	---	---	5	6	48
	3-14	.05	.15			
	14-22	.05	.17			
	22-38	.17	.37			
	38-59	.15	.24			
	59-71	.32	.37			
	71-81	---	---			
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
Rock outcrop.						
9122:						
Watsonlake	0-2	---	---	5	8	0
	2-8	.05	.10			
	8-18	.10	.24			
	18-27	.05	.20			
	27-35	.10	.20			
	35-52	.10	.24			
	52-67	.20	.32			
	67-77	---	---			
Jorge very cobbly fine sandy loam	0-2	---	---	5	8	0
	2-9	.10	.24			
	9-28	.10	.37			
	28-34	.10	.37			
	34-59	.15	.37			
Tahoma	0-3	---	---	5	6	48
	3-14	.05	.15			
	14-22	.05	.17			
	22-38	.17	.37			
	38-59	.15	.24			
	59-71	.32	.37			
	71-81	---	---			
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9122:						
Sky	0-1	---	---	3	5	56
	1-2	---	---			
	2-3	.15	.24			
	3-5	.15	.28			
	5-24	.10	.37			
	24-34	---	---			
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
Rock outcrop.						
9123:						
Watsonlake	0-2	---	---	5	8	0
	2-8	.05	.10			
	8-18	.10	.24			
	18-27	.05	.20			
	27-35	.10	.20			
	35-52	.10	.24			
	52-67	.20	.32			
	67-77	---	---			
Jorge very cobbly fine sandy loam	0-2	---	---	5	8	0
	2-9	.10	.24			
	9-28	.10	.37			
	28-34	.10	.37			
	34-59	.15	.37			
Tahoma	0-3	---	---	5	6	48
	3-14	.05	.15			
	14-22	.05	.17			
	22-38	.17	.37			
	38-59	.15	.24			
	59-71	.32	.37			
	71-81	---	---			
Waca	0-2	---	---	3	6	48
	2-11	.05	.17			
	11-16	.05	.17			
	16-23	.10	.20			
	23-38	.10	.32			
	38-48	---	---			
Sky	0-1	---	---	3	5	56
	1-2	---	---			
	2-3	.15	.24			
	3-5	.15	.28			
	5-24	.10	.37			
	24-34	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9123:						
Ellispeak	0-2	.15	.28	1	5	56
	2-6	.10	.24			
	6-12	.05	.37			
	12-22	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
Rock outcrop.						
9131:						
Lithnip	0-2	.05	.28	1	8	0
	2-5	.10	.32			
	5-15	---	---			
Meiss	0-6	.02	.02	1	5	56
	6-13	.10	.20			
	13-23	---	---			
Hawkinspeak	0-3	.15	.24	2	6	48
	3-9	.15	.24			
	9-33	.10	.37			
	33-43	---	---			
Lostridge	0-3	.10	.24	2	6	48
	3-11	.10	.24			
	11-23	.10	.24			
	23-29	.10	.24			
	29-39	---	---			
Fishsnooze	0-1	.10	.24	2	6	48
	1-9	.10	.24			
	9-13	.10	.24			
	13-35	.05	.24			
	35-45	---	---			
Rock outcrop.						
Hawkinspeak, moist	0-3	.15	.24	2	6	48
	3-9	.15	.24			
	9-33	.10	.37			
	33-43	---	---			
Aspocket	0-13	.15	.24	3	5	56
	13-38	.20	.32			
	38-54	.20	.32			
	54-64	---	---			
Hawkridge	0-1	.15	.32	1	6	48
	1-7	.15	.28			
	7-14	.10	.32			
	14-24	---	---			
Typic Cryaquolls	0-18	.10	.32	3	6	48
	18-60	.02	.17			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9141:						
Melody	0-1	---	---	1	8	0
	1-2	.10	.24			
	2-9	.05	.28			
	9-15	.05	.28			
	15-25	---	---			
Rock outcrop, volcanic.						
Sky	0-1	---	---	3	5	56
	1-2	---	---			
	2-3	.15	.24			
	3-5	.15	.28			
	5-24	.10	.37			
	24-34	---	---			
Mountrose	0-4	.10	.10	5	8	0
	4-15	.17	.24			
	15-29	.05	.28			
	29-59	.05	.32			
Wardcreek	0-4	.10	.28	2	8	0
	4-12	.10	.20			
	12-18	.10	.32			
	18-25	.15	.37			
	25-35	---	---			
Lithnip	0-2	.05	.28	1	8	0
	2-5	.10	.32			
	5-15	---	---			
Meiss	0-6	.15	.32	1	7	38
	6-13	.17	.32			
	13-23	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
9142:						
Melody	0-1	---	---	1	8	0
	1-2	.10	.24			
	2-9	.05	.28			
	9-15	.05	.28			
	15-25	---	---			
Rock outcrop, volcanic.						
Sky	0-1	---	---	3	5	56
	1-2	---	---			
	2-3	.15	.24			
	3-5	.15	.28			
	5-24	.10	.37			
	24-34	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9142:						
Mountrose	0-4	.10	.10	5	8	0
	4-15	.17	.24			
	15-29	.05	.28			
	29-59	.05	.32			
Wardcreek	0-4	.10	.28	2	8	0
	4-12	.10	.20			
	12-18	.10	.32			
	18-25	.15	.37			
	25-35	---	---			
Lithnip	0-2	.05	.28	1	8	0
	2-5	.10	.32			
	5-15	---	---			
Meiss	0-6	.15	.32	1	7	38
	6-13	.17	.32			
	13-23	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
9143:						
Melody	0-1	---	---	1	8	0
	1-2	.10	.24			
	2-9	.05	.28			
	9-15	.05	.28			
	15-25	---	---			
Rock outcrop, volcanic.						
Sky	0-1	---	---	3	5	56
	1-2	---	---			
	2-3	.15	.24			
	3-5	.15	.28			
	5-24	.10	.37			
	24-34	---	---			
Mountrose	0-4	.10	.10	5	8	0
	4-15	.17	.24			
	15-29	.05	.28			
	29-59	.05	.32			
Wardcreek	0-4	.10	.28	2	8	0
	4-12	.10	.20			
	12-18	.10	.32			
	18-25	.15	.37			
	25-35	---	---			
Lithnip	0-2	.05	.28	1	8	0
	2-5	.10	.32			
	5-15	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9143:						
Meiss	0-6	.15	.32	1	7	38
	6-13	.17	.32			
	13-23	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
9151:						
Shakespeare	0-1	---	---	5	3	86
	1-2	.28	.28			
	2-5	.10	.20			
	5-34	.10	.28			
	34-61	.43	.43			
Deerhill	0-1	---	---	5	3	86
	1-9	.15	.17			
	1-9	.15	.17			
	9-35	.20	.32			
	35-51	.37	.37			
	51-65	.05	.37			
Mountrose	0-4	.10	.10	5	8	0
	4-15	.17	.24			
	15-29	.05	.28			
	29-59	.05	.32			
Melody	0-1	---	---	1	8	0
	1-2	.10	.24			
	2-9	.05	.28			
	9-15	.05	.28			
	15-25	---	---			
Wardcreek	0-4	.10	.28	2	8	0
	4-12	.10	.20			
	12-18	.10	.32			
	18-25	.15	.37			
	25-35	---	---			
Dagget very gravelly loamy coarse sand	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9151:						
Temo	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			
Witefels	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			
9152:						
Shakespeare	0-1	---	---	5	3	86
	1-2	.28	.28			
	2-5	.10	.20			
	5-34	.10	.28			
	34-61	.43	.43			
Deerhill	0-1	---	---	5	3	86
	1-9	.15	.17			
	1-9	.15	.17			
	9-35	.20	.32			
	35-51	.37	.37			
	51-65	.05	.37			
Mountrose	0-4	.10	.10	5	8	0
	4-15	.17	.24			
	15-29	.05	.28			
	29-59	.05	.32			
Melody	0-1	---	---	1	8	0
	1-2	.10	.24			
	2-9	.05	.28			
	9-15	.05	.28			
	15-25	---	---			
Wardcreek	0-4	.10	.28	2	8	0
	4-12	.10	.20			
	12-18	.10	.32			
	18-25	.15	.37			
	25-35	---	---			
Dagget very gravelly loamy coarse sand	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
Temo	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9152:						
Witefels	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			
9161:						
Sky	0-1	---	---	3	5	56
	1-2	---	---			
	2-3	.15	.24			
	3-5	.15	.28			
	5-24	.10	.37			
	24-34	---	---			
Melody	0-1	---	---	1	8	0
	1-2	.10	.24			
	2-9	.05	.28			
	9-15	.05	.28			
	15-25	---	---			
Mountrose	0-4	.10	.10	5	8	0
	4-15	.17	.24			
	15-29	.05	.28			
	29-59	.05	.32			
Wardcreek	0-4	.10	.28	2	8	0
	4-12	.10	.20			
	12-18	.10	.32			
	18-25	.15	.37			
	25-35	---	---			
Lithnip	0-2	.05	.28	1	8	0
	2-5	.10	.32			
	5-15	---	---			
Meiss	0-6	.15	.32	1	7	38
	6-13	.17	.32			
	13-23	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
9162:						
Sky	0-1	---	---	3	5	56
	1-2	---	---			
	2-3	.15	.24			
	3-5	.15	.28			
	5-24	.10	.37			
	24-34	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9162:						
Melody	0-1	---	---	1	8	0
	1-2	.10	.24			
	2-9	.05	.28			
	9-15	.05	.28			
	15-25	---	---			
Mountrose	0-4	.10	.10	5	8	0
	4-15	.17	.24			
	15-29	.05	.28			
	29-59	.05	.32			
Wardcreek	0-4	.10	.28	2	8	0
	4-12	.10	.20			
	12-18	.10	.32			
	18-25	.15	.37			
	25-35	---	---			
Lithnip	0-2	.05	.28	1	8	0
	2-5	.10	.32			
	5-15	---	---			
Meiss	0-6	.15	.32	1	7	38
	6-13	.17	.32			
	13-23	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
9163:						
Sky	0-1	---	---	3	5	56
	1-2	---	---			
	2-3	.15	.24			
	3-5	.15	.28			
	5-24	.10	.37			
	24-34	---	---			
Melody	0-1	---	---	1	8	0
	1-2	.10	.24			
	2-9	.05	.28			
	9-15	.05	.28			
	15-25	---	---			
Mountrose	0-4	.10	.10	5	8	0
	4-15	.17	.24			
	15-29	.05	.28			
	29-59	.05	.32			
Wardcreek	0-4	.10	.28	2	8	0
	4-12	.10	.20			
	12-18	.10	.32			
	18-25	.15	.37			
	25-35	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9163:						
Lithnip	0-2	.05	.28	1	8	0
	2-5	.10	.32			
	5-15	---	---			
Meiss	0-6	.15	.32	1	7	38
	6-13	.17	.32			
	13-23	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
9164:						
Sky	0-1	---	---	3	5	56
	1-2	---	---			
	2-3	.15	.24			
	3-5	.15	.28			
	5-24	.10	.37			
	24-34	---	---			
Melody	0-1	---	---	1	8	0
	1-2	.10	.24			
	2-9	.05	.28			
	9-15	.05	.28			
	15-25	---	---			
Mountrose	0-4	.10	.10	5	8	0
	4-15	.17	.24			
	15-29	.05	.28			
	29-59	.05	.32			
Wardcreek	0-4	.10	.28	2	8	0
	4-12	.10	.20			
	12-18	.10	.32			
	18-25	.15	.37			
	25-35	---	---			
Lithnip	0-2	.05	.28	1	8	0
	2-5	.10	.32			
	5-15	---	---			
Meiss	0-6	.15	.32	1	7	38
	6-13	.17	.32			
	13-23	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9165:						
Sky	0-1	---	---	3	5	56
	1-2	---	---			
	2-3	.15	.24			
	3-5	.15	.28			
	5-24	.10	.37			
	24-34	---	---			
Melody	0-1	---	---	1	8	0
	1-2	.10	.24			
	2-9	.05	.28			
	9-15	.05	.28			
	15-25	---	---			
Mountrose	0-4	.10	.10	5	8	0
	4-15	.17	.24			
	15-29	.05	.28			
	29-59	.05	.32			
Wardcreek	0-4	.10	.28	2	8	0
	4-12	.10	.20			
	12-18	.10	.32			
	18-25	.15	.37			
	25-35	---	---			
Lithnip	0-2	.05	.28	1	8	0
	2-5	.10	.32			
	5-15	---	---			
Meiss	0-6	.15	.32	1	7	38
	6-13	.17	.32			
	13-23	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
9166:						
Sky	0-1	---	---	3	5	56
	1-2	---	---			
	2-3	.15	.24			
	3-5	.15	.28			
	5-24	.10	.37			
	24-34	---	---			
Melody	0-1	---	---	1	8	0
	1-2	.10	.24			
	2-9	.05	.28			
	9-15	.05	.28			
	15-25	---	---			
Mountrose	0-4	.10	.10	5	8	0
	4-15	.17	.24			
	15-29	.05	.28			
	29-59	.05	.32			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9166:						
Wardcreek	0-4	.10	.28	2	8	0
	4-12	.10	.20			
	12-18	.10	.32			
	18-25	.15	.37			
	25-35	---	---			
Lithnip	0-2	.05	.28	1	8	0
	2-5	.10	.32			
	5-15	---	---			
Meiss	0-6	.15	.32	1	7	38
	6-13	.17	.32			
	13-23	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
9171:						
Mountrose	0-4	.10	.10	5	8	0
	4-15	.17	.24			
	15-29	.05	.28			
	29-59	.05	.32			
Wardcreek	0-4	.10	.28	2	8	0
	4-12	.10	.20			
	12-18	.10	.32			
	18-25	.15	.37			
	25-35	---	---			
Melody	0-1	---	---	1	8	0
	1-2	.10	.24			
	2-9	.05	.28			
	9-15	.05	.28			
	15-25	---	---			
Meiss	0-6	.15	.32	1	7	38
	6-13	.17	.32			
	13-23	---	---			
Rock outcrop.						
Rubble land.						
Sky	0-1	---	---	3	5	56
	1-2	---	---			
	2-3	.15	.24			
	3-5	.15	.28			
	5-24	.10	.37			
	24-34	---	---			
9401:						
Dagget very gravelly loamy coarse sand	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9401:						
Temo	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			
Witefels	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			
Jobsis	0-1	.10	.20	1	3	86
	1-5	.10	.20			
	5-9	.10	.24			
	9-12	.10	.24			
	12-17	.10	.24			
	17-20	.05	.17			
	20-30	---	---			
Rock outcrop.						
Whittell	0	---	---	3	8	0
	0-7	.02	.10			
	7-20	.05	.17			
	20-32	.05	.28			
	32-42	---	---			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Cassenai, moist	0-3	---	---	5	2	134
	3-11	.05	.10			
	11-20	.10	.17			
	20-63	.05	.15			
Toem	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
9402:						
Dagget very gravelly loamy coarse sand	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9402:						
Temo	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			
Witefels	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			
Jobsis	0-1	.10	.20	1	3	86
	1-5	.10	.20			
	5-9	.10	.24			
	9-12	.10	.24			
	12-17	.10	.24			
	17-20	.05	.17			
	20-30	---	---			
Rock outcrop.						
Whittell	0	---	---	3	8	0
	0-7	.02	.10			
	7-20	.05	.17			
	20-32	.05	.28			
	32-42	---	---			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Cassenai, moist	0-3	---	---	5	2	134
	3-11	.05	.10			
	11-20	.10	.17			
	20-63	.05	.15			
Toem	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
9403:						
Dagget very gravelly loamy coarse sand	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9403:						
Temo	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			
Witefels	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			
Jobsis	0-1	.10	.20	1	3	86
	1-5	.10	.20			
	5-9	.10	.24			
	9-12	.10	.24			
	12-17	.10	.24			
	17-20	.05	.17			
	20-30	---	---			
Rock outcrop.						
Whittell	0	---	---	3	8	0
	0-7	.02	.10			
	7-20	.05	.17			
	20-32	.05	.28			
	32-42	---	---			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Cassenai, moist	0-3	---	---	5	2	134
	3-11	.05	.10			
	11-20	.10	.17			
	20-63	.05	.15			
Toem	0-1	---	---	2	1	220
	1-10	.05	.10			
	10-18	.15	.20			
	18-32	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
9404:						
Dagget, moist	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9404:						
Cassenai, moist	0-3	---	---	5	2	134
	3-11	.05	.10			
	11-20	.10	.17			
	20-63	.05	.15			
Rockbound very gravelly loam	0-6	.05	.17	1	3	86
	6-8	.10	.24			
	8-20	---	---			
Jobsis	0-1	.10	.20	1	3	86
	1-5	.10	.20			
	5-9	.10	.24			
	9-12	.10	.24			
	12-17	.10	.24			
	17-20	.05	.17			
	20-30	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
Temo	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			
Whittell	0	---	---	3	8	0
	0-7	.02	.10			
	7-20	.05	.17			
	20-32	.05	.28			
	32-42	---	---			
Witefels	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			
9405:						
Dagget, moist	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Cassenai, moist	0-3	---	---	5	2	134
	3-11	.05	.10			
	11-20	.10	.17			
	20-63	.05	.15			
Rockbound very gravelly loam	0-6	.05	.17	1	3	86
	6-8	.10	.24			
	8-20	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9405:						
Jobsis	0-1	.10	.20	1	3	86
	1-5	.10	.20			
	5-9	.10	.24			
	9-12	.10	.24			
	12-17	.10	.24			
	17-20	.05	.17			
	20-30	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
Temo	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			
Whittell	0	---	---	3	8	0
	0-7	.02	.10			
	7-20	.05	.17			
	20-32	.05	.28			
	32-42	---	---			
Witefels	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			
9406:						
Dagget, moist	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Cassenai, moist	0-3	---	---	5	2	134
	3-11	.05	.10			
	11-20	.10	.17			
	20-63	.05	.15			
Rockbound very stony loam	0-2	.05	.15	1	8	0
	2-5	.05	.24			
	5-17	.05	.20			
	17-27	---	---			
Jobsis	0-1	.10	.20	1	3	86
	1-5	.10	.20			
	5-9	.10	.24			
	9-12	.10	.24			
	12-17	.10	.24			
	17-20	.05	.17			
	20-30	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9406:						
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
Temo	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			
Whittell	0	---	---	3	8	0
	0-7	.02	.10			
	7-20	.05	.17			
	20-32	.05	.28			
	32-42	---	---			
Witefels	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			
9407:						
Dagget, moist	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Rock outcrop, granitic.						
Temo	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			
Witefels	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			
Whittell	0	---	---	3	8	0
	0-7	.02	.10			
	7-20	.05	.17			
	20-32	.05	.28			
	32-42	---	---			
Cassenai, moist	0-3	---	---	5	2	134
	3-11	.05	.10			
	11-20	.10	.17			
	20-63	.05	.15			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9407:						
Jobsis	0-1	.10	.20	1	3	86
	1-5	.10	.20			
	5-9	.10	.24			
	9-12	.10	.24			
	12-17	.10	.24			
	17-20	.05	.17			
	20-30	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
9411:						
Freelpeak	0-2	.02	.05	2	8	0
	2-4	.02	.20			
	4-8	.10	.17			
	8-36	.15	.37			
	36-46	---	---			
Windyridge	0-2	.05	.17	1	3	86
	2-10	.05	.17			
	10-20	---	---			
Rock outcrop.						
Jobsis	0-5	.05	.17	1	3	86
	5-9	.05	.17			
	9-17	.05	.17			
	17-20	.05	.17			
	20-30	---	---			
Whittell	0	---	---	2	2	134
	0-7	.05	.20			
	7-20	.05	.24			
	20-32	.05	.24			
	32-42	---	---			
Waterpeak	0-5	.05	.15	5	2	134
	5-18	.05	.15			
	18-27	.05	.15			
	27-60	.15	.32			
Buggin	0-2	.05	.17	1	6	48
	2-7	.05	.17			
	7-10	.05	.17			
	10-16	---	---			
	16-26	---	---			
Glaciers.						

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9421:						
Jobsis	0-5	.05	.17	1	3	86
	5-9	.05	.17			
	9-17	.05	.17			
	17-20	.05	.17			
	20-30	---	---			
Whittell	0	---	---	3	2	134
	0-7	.05	.20			
	7-20	.05	.24			
	20-32	.05	.24			
	32-42	---	---			
Rock outcrop.						
Typic Cryorthents, 8 to 30 percent slopes	0-1	.05	.17	1	6	48
	1-5	.05	.17			
	5-9	.05	.17			
	9-12	.05	.17			
	12-17	.05	.17			
	17-40	.05	.17			
	40-50	---	---			
Windyridge	0-2	.05	.17	1	3	86
	2-10	.05	.17			
	10-20	---	---			
Klauspeak	0-5	.10	.15	5	2	134
	5-16	.10	.15			
	16-22	.10	.15			
	22-40	.10	.15			
	40-60	.10	.15			
Shalgran	0-3	.05	.17	1	2	134
	3-14	.10	.15			
	14-24	---	---			
Buggin	0-2	.05	.17	1	6	48
	2-7	.05	.17			
	7-10	.05	.17			
	10-16	---	---			
	16-26	---	---			
Typic Cryorthents, 4 to 30 percent slopes	0-1	.05	.17	1	6	48
	1-5	.05	.17			
	5-9	.05	.17			
	9-12	.05	.17			
	12-17	.05	.17			
	17-20	.05	.17			
	20-30	---	---			
Waterpeak	0-5	.05	.15	5	2	134
	5-18	.05	.15			
	18-27	.05	.15			
	27-60	.15	.32			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9431:						
Sofgran	0-3	.10	.15	5	3	86
	3-6	.10	.15			
	6-9	.05	.17			
	9-19	.05	.17			
	19-27	.05	.17			
	27-45	.05	.17			
	45-60	.05	.17			
Klauspeak	0-5	.10	.15	5	2	134
	5-16	.10	.15			
	16-22	.10	.15			
	22-40	.10	.15			
	40-60	.10	.15			
Temo	0-10	.05	.17	2	3	86
	10-16	.10	.17			
	16-26	---	---			
Rock outcrop.						
Shalgran	0-3	.05	.17	1	2	134
	3-14	.10	.15			
	14-24	---	---			
Xeric Humicryepts	0-5	.10	.15	5	3	86
	5-16	.10	.15			
	16-22	.10	.15			
	22-40	.10	.15			
	40-63	.10	.15			
Stumpatil	0-6	.05	.20	5	6	48
	6-11	.10	.24			
	11-26	.10	.28			
	26-33	.10	.28			
	33-60	.10	.28			
Aquic Haplocryolls	0-12	.05	.15	5	6	48
	12-30	.10	.32			
	30-39	.10	.32			
	39-60	.05	.17			
Hopeval	0-2	.55	.55	3	3	86
	2-12	.37	.37			
	12-15	.37	.37			
	15-26	.24	.28			
	26-33	.24	.28			
	33-60	.05	.20			
9441:						
Temo	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			
Witefels	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9441:						
Rock outcrop.						
Dagget very gravelly loamy coarse sand	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
9442:						
Temo	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			
Witefels	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			
Rock outcrop.						
Dagget very gravelly loamy coarse sand	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9443:						
Temo	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			
Witefels	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			
Rock outcrop.						
Dagget very gravelly loamy coarse sand	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
9444:						
Temo	0-10	.05	.10	2	1	220
	10-16	.10	.20			
	16-26	---	---			
Witefels	0-1	---	---	3	2	134
	1-9	.05	.10			
	9-14	.10	.17			
	14-36	.10	.24			
	36-39	---	---			
Rock outcrop.						
Dagget very gravelly loamy coarse sand	0-1	---	---	4	3	86
	1-9	.02	.17			
	9-49	.05	.10			
	49-59	---	---			
Cagwin	0-1	---	---	3	2	134
	1-9	.10	.15			
	9-13	.17	.28			
	13-27	.10	.20			
	27-37	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9444:						
Oxyaquic Cryorthents	0	---	---	4	2	134
	0-2	.02	.05			
	2-5	.02	.05			
	5-9	.10	.15			
	9-20	.10	.15			
	20-32	.05	.15			
	32-52	.02	.10			
	52-80	.15	.15			
	80-112	.15	.15			
9451:						
Waterpeak	0-5	.05	.15	5	2	134
	5-18	.05	.15			
	18-27	.05	.15			
	27-60	.15	.32			
Rock outcrop.						
Shalgran	0-3	.05	.17	1	2	134
	3-14	.10	.15			
	14-24	---	---			
Typic Cryorthents	0-1	.05	.17	1	6	48
	1-5	.05	.17			
	5-9	.05	.17			
	9-12	.05	.17			
	12-17	.05	.17			
	17-40	.05	.17			
	40-50	---	---			
Pachic Haplocryolls	0-5	.05	.15	5	2	134
	5-18	.05	.15			
	18-27	.05	.15			
	27-60	.15	.32			
9461:						
Whittell	0	---	---	3	2	134
	0-7	.05	.20			
	7-20	.05	.24			
	20-32	.05	.24			
	32-42	---	---			
Jobsis	0-5	.05	.17	1	3	86
	5-9	.05	.17			
	9-17	.05	.17			
	17-20	.05	.17			
	20-30	---	---			
Rock outcrop.						
Jobsis, 8 to 30 percent slopes	0-5	.05	.17	1	3	86
	5-9	.05	.17			
	9-17	.05	.17			
	17-20	.05	.17			
	20-30	---	---			
Windyridge	0-2	.05	.17	1	3	86
	2-10	.05	.17			
	10-20	---	---			

Table 22.--Erosion Properties of the Soils--Continued

Map symbol and component name	Depth	Erosion factors			Wind erodibility group	Wind erodibility index
		Kw	Kf	T		
	In					
9461:						
Klauspeak	0-5	.10	.15	5	2	134
	5-16	.10	.15			
	16-22	.10	.15			
	22-40	.10	.15			
	40-60	.10	.15			
Shalgran	0-3	.05	.17	1	2	134
	3-14	.10	.15			
	14-24	---	---			
Buggin	0-2	.05	.17	1	6	48
	2-7	.05	.17			
	7-10	.05	.17			
	10-16	---	---			
	16-26	---	---			
Typic Cryorthents	0-1	.05	.17	1	6	48
	1-5	.05	.17			
	5-9	.05	.17			
	9-12	.05	.17			
	12-17	.05	.17			
	17-20	.05	.17			
	20-30	---	---			
Waterpeak	0-5	.05	.15	5	2	134
	5-18	.05	.15			
	18-27	.05	.15			
	27-60	.15	.32			
W.						
Water						

Table 23.--Chemical Properties of the Soils

(Absence of an entry indicates that data were not estimated)

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7011:				
Beaches	0-79	---	---	6.8-7.1
Oxyaquic Xeropsamments	0-6	2.2-7.2	---	5.1-6.5
	6-75	1.2-5.0	---	5.1-6.5
Watah	0-3	---	---	---
	3-8	---	---	---
	8-15	20-42	---	5.1-6.0
	15-63	---	0-5	5.1-6.0
Gefo, barrier beach	0-15	2.2-7.2	---	5.1-6.5
	15-75	1.2-5.0	---	5.1-6.5
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Dunes.				
Jorge very gravelly sandy loam	0-2	---	---	---
	2-24	12-38	---	5.1-6.5
	24-32	7.2-20	---	5.1-6.5
	32-48	7.1-16	---	5.1-6.5
	48-84	7.1-16	---	5.1-6.5
Rock outcrop.				
Tahoe silt loam	0-3	---	---	5.1-7.3
	3-11	28-47	10-20	5.1-7.3
	11-15	28-47	---	5.1-7.3
	15-20	0.0-3.3	---	5.1-7.3
	20-30	5.2-23	---	5.1-7.3
	30-49	0.0-13	---	5.1-7.3
	49-59	0.0-7.4	---	5.1-7.3
Tahoma	0-3	---	---	---
	3-14	14-32	---	5.6-6.5
	14-22	8.3-25	---	5.1-6.0
	22-38	---	2-10	4.5-6.0
	38-59	---	5-15	4.5-6.0
	59-71	---	5-15	4.5-6.0
	71-81	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7011:				
Toem	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
7021:				
Hellhole	0-11	---	36-76	5.1-6.0
	11-59	---	36-76	5.1-6.0
	59-118	---	36-76	5.1-6.0
Bidart, wet	0-3	---	---	4.5-6.0
	3-9	---	1-10	4.5-6.0
	9-16	---	0-9	4.5-6.0
	16-17	---	0-2	4.5-6.0
	17-39	---	1-9	4.5-6.0
	39-59	---	0-9	4.5-6.0
Watah	0-3	---	---	---
	3-8	---	---	---
	8-15	20-42	---	5.1-6.0
	15-63	---	0-5	5.1-6.0
Water.				
7031:				
Pits.				
Dumps.				
Arents.				
Xerorthents.				
7041:				
Tahoe silt loam	0-3	---	---	5.1-7.3
	3-11	28-47	10-20	5.1-7.3
	11-15	28-47	---	5.1-7.3
	15-20	0.0-3.3	---	5.1-7.3
	20-30	5.2-23	---	5.1-7.3
	30-49	0.0-13	---	5.1-7.3
	49-59	0.0-7.4	---	5.1-7.3
Tahoe silt loam, wet	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7041:				
Watah	0-3	---	---	---
	3-8	---	---	---
	8-15	20-42	---	5.1-6.0
	15-63	---	0-5	5.1-6.0
7042:				
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
Tahoe, gravelly, wet	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
Riverwash.				
Tahoe silt loam	0-3	---	---	5.1-7.3
	3-11	28-47	10-20	5.1-7.3
	11-15	28-47	---	5.1-7.3
	15-20	0.0-3.3	---	5.1-7.3
	20-30	5.2-23	---	5.1-7.3
	30-49	0.0-13	---	5.1-7.3
	49-59	0.0-7.4	---	5.1-7.3
Watah	0-3	---	---	---
	3-8	---	---	---
	8-15	20-42	---	5.1-6.0
	15-63	---	0-5	5.1-6.0
7043:				
Tahoe, drained	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
Tahoe silt loam, wet	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7043:				
Watah	0-3	---	---	---
	3-8	---	---	---
	8-15	20-42	---	5.1-6.0
	15-63	---	0-5	5.1-6.0
7051:				
Oxyaquic Xerorthents	0-36	4.0-5.0	---	5.6-6.0
	36-44	28-47	10-20	5.1-7.3
	44-48	28-47	---	5.1-7.3
	48-53	0.0-3.3	---	5.1-7.3
	53-63	5.2-23	---	5.1-7.3
Water.				
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
Watah	0-3	---	---	---
	3-8	---	---	---
	8-15	20-42	---	5.1-6.0
	15-63	---	0-5	5.1-6.0
7061.				
Urban land				
7071:				
Watah	0-3	---	---	---
	3-8	---	---	---
	8-15	20-42	---	5.1-6.0
	15-63	---	0-5	5.1-6.0
Tahoe, gravelly, wet	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
Tahoe silt loam, wet	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
Bidart, wet	0-3	---	---	4.5-6.0
	3-9	---	1-10	4.5-6.0
	9-16	---	0-9	4.5-6.0
	16-17	---	0-2	4.5-6.0
	17-39	---	1-9	4.5-6.0
	39-59	---	0-9	4.5-6.0
Water.				

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7071:				
Hellhole	0-11	---	36-76	5.1-6.0
	11-59	---	36-76	5.1-6.0
	59-118	---	36-76	5.1-6.0
7101:				
Caverock	0-2	---	---	---
	2-4	7.9-30	---	5.6-7.3
	4-11	5.8-20	---	5.6-7.3
	11-19	4.6-17	---	5.6-7.3
	19-26	3.8-14	---	5.6-7.3
	26-36	---	---	6.1-7.3
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Deerhill	0-1	---	---	---
	1-9	4.1-9.6	---	5.6-7.0
	1-9	4.1-9.6	---	5.6-7.0
	9-35	6.4-12	---	5.6-7.0
	35-51	12-22	---	5.6-6.5
	51-65	12-22	---	5.6-6.5
Genoapeak	0-2	---	---	---
	2-4	8.1-22	---	6.1-6.8
	4-7	5.0-14	---	6.1-6.8
	7-16	0.2-1.9	---	6.1-6.8
	16-60	0.2-1.9	---	6.1-6.8
Southcamp	0-2	---	---	---
	2-4	14-35	---	6.1-7.3
	4-15	6.3-18	---	6.1-7.3
	15-34	14-25	---	6.1-7.3
	34-53	12-22	---	6.1-7.3
	53-60	12-22	---	6.1-7.3
Zephyrcove	0-2	---	---	---
	2-4	---	---	---
	4-7	12-27	---	6.1-7.3
	7-16	4.4-15	---	6.1-7.3
	16-35	7.5-20	---	6.1-7.3
	35-44	---	---	---
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7111:				
Deerhill	0-1	---	---	---
	1-9	4.1-9.6	---	5.6-7.0
	1-9	4.1-9.6	---	5.6-7.0
	9-35	6.4-12	---	5.6-7.0
	35-51	12-22	---	5.6-6.5
	51-65	12-22	---	5.6-6.5
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Shakespeare	0-1	---	---	---
	1-2	11-24	---	5.1-6.5
	2-5	11-24	---	5.1-6.5
	5-34	20-28	---	5.1-6.5
	34-61	19-31	---	5.1-6.5
Southcamp	0-2	---	---	---
	2-4	14-35	---	6.1-7.3
	4-15	6.3-18	---	6.1-7.3
	15-34	14-25	---	6.1-7.3
	34-53	12-22	---	6.1-7.3
	53-60	12-22	---	6.1-7.3
Zephyrcove	0-2	---	---	---
	2-4	---	---	---
	4-7	12-27	---	6.1-7.3
	7-16	4.4-15	---	6.1-7.3
	16-35	7.5-20	---	6.1-7.3
	35-44	---	---	---
Genoapeak	0-2	---	---	---
	2-4	8.1-22	---	6.1-6.8
	4-7	5.0-14	---	6.1-6.8
	7-16	0.2-1.9	---	6.1-6.8
	16-60	0.2-1.9	---	6.1-6.8
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7112:				
Deerhill	0-1	---	---	---
	1-9	4.1-9.6	---	5.6-7.0
	1-9	4.1-9.6	---	5.6-7.0
	9-35	6.4-12	---	5.6-7.0
	35-51	12-22	---	5.6-6.5
	51-65	12-22	---	5.6-6.5
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Shakespeare	0-1	---	---	---
	1-2	11-24	---	5.1-6.5
	2-5	11-24	---	5.1-6.5
	5-34	20-28	---	5.1-6.5
	34-61	19-31	---	5.1-6.5
Southcamp	0-2	---	---	---
	2-4	14-35	---	6.1-7.3
	4-15	6.3-18	---	6.1-7.3
	15-34	14-25	---	6.1-7.3
	34-53	12-22	---	6.1-7.3
	53-60	12-22	---	6.1-7.3
Zephyrcove	0-2	---	---	---
	2-4	---	---	---
	4-7	12-27	---	6.1-7.3
	7-16	4.4-15	---	6.1-7.3
	16-35	7.5-20	---	6.1-7.3
	35-44	---	---	---
Genoapeak	0-2	---	---	---
	2-4	8.1-22	---	6.1-6.8
	4-7	5.0-14	---	6.1-6.8
	7-16	0.2-1.9	---	6.1-6.8
	16-60	0.2-1.9	---	6.1-6.8
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
7121:				
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7121:				
Rock outcrop, volcanic.				
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Kneeridge, well drained	0-2	---	---	---
	2-16	14-37	---	6.1-7.8
	16-39	5.0-25	---	6.1-7.8
	39-79	1.5-8.7	---	6.1-7.8
Paige	0-3	---	---	---
	3-20	9.8-25	---	5.6-7.0
	20-48	5.1-16	---	5.6-6.5
	48-62	4.3-14	---	5.6-6.5
	62-80	0.4-9.3	---	5.1-6.5
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
7122:				
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Rock outcrop, volcanic.				
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Kneeridge, well drained	0-2	---	---	---
	2-16	14-37	---	6.1-7.8
	16-39	5.0-25	---	6.1-7.8
	39-79	1.5-8.7	---	6.1-7.8
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
Paige	0-3	---	---	---
	3-20	9.8-25	---	5.6-7.0
	20-48	5.1-16	---	5.6-6.5
	48-62	4.3-14	---	5.6-6.5
	62-80	0.4-9.3	---	5.1-6.5

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7123:				
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Rock outcrop, volcanic.				
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Kneeridge, well drained	0-2	---	---	---
	2-16	14-37	---	6.1-7.8
	16-39	5.0-25	---	6.1-7.8
	39-79	1.5-8.7	---	6.1-7.8
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
Paige	0-3	---	---	---
	3-20	9.8-25	---	5.6-7.0
	20-48	5.1-16	---	5.6-6.5
	48-62	4.3-14	---	5.6-6.5
	62-80	0.4-9.3	---	5.1-6.5
7131:				
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Rock outcrop.				
Windy	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-49	2.8-20	---	5.6-6.5
	49-59	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7131:				
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
7132:				
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Rock outcrop.				
Windy	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-49	2.8-20	---	5.6-6.5
	49-59	---	---	---
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
7133:				
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Rock outcrop.				

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7133:				
Windy	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-49	2.8-20	---	5.6-6.5
	49-59	---	---	---
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
7141:				
Inville	0-2	---	---	---
	2-12	7.9-26	---	5.6-6.5
	12-37	6.0-17	---	5.6-6.5
	37-56	0.2-5.2	---	5.6-6.5
Christopher loamy coarse sand	0-1	---	---	---
	1-8	0.0-4.8	---	5.1-6.0
	8-26	0.0-4.2	---	5.1-6.0
	26-42	0.9-4.2	---	5.1-6.0
	42-61	0.9-4.2	---	5.1-6.0
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Jorge very gravelly sandy loam	0-2	---	---	---
	2-24	12-38	---	5.1-6.5
	24-32	7.2-20	---	5.1-6.5
	32-48	7.1-16	---	5.1-6.5
	48-84	7.1-16	---	5.1-6.5
Kingsbeach	0-1	---	---	---
	1-6	7.6-23	---	5.1-6.5
	6-20	9.1-20	---	5.1-6.5
	20-30	8.6-19	---	5.1-6.5
	30-61	10-20	---	5.1-6.5
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7142:				
Inville	0-2	---	---	---
	2-12	7.9-26	---	5.6-6.5
	12-37	6.0-17	---	5.6-6.5
	37-56	0.2-5.2	---	5.6-6.5
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Christopher gravelly loamy coarse sand	0-1	---	---	---
	1-5	1.0-4.8	---	5.1-6.5
	5-32	1.8-5.8	---	5.1-6.5
	32-41	1.8-5.8	---	5.1-6.5
	41-71	0.9-4.2	---	5.1-6.5
Jorge very gravelly sandy loam	0-2	---	---	---
	2-24	12-38	---	5.1-6.5
	24-32	7.2-20	---	5.1-6.5
	32-48	7.1-16	---	5.1-6.5
	48-84	7.1-16	---	5.1-6.5
Meeks, extremely bouldery	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
7143:				
Inville	0-2	---	---	---
	2-12	7.9-26	---	5.6-6.5
	12-37	6.0-17	---	5.6-6.5
	37-56	0.2-5.2	---	5.6-6.5
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Christopher gravelly loamy coarse sand	0-1	---	---	---
	1-5	1.0-4.8	---	5.1-6.5
	5-32	1.8-5.8	---	5.1-6.5
	32-41	1.8-5.8	---	5.1-6.5
	41-71	0.9-4.2	---	5.1-6.5
Jorge very gravelly sandy loam	0-2	---	---	---
	2-24	12-38	---	5.1-6.5
	24-32	7.2-20	---	5.1-6.5
	32-48	7.1-16	---	5.1-6.5
	48-84	7.1-16	---	5.1-6.5

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7143:				
Meeks, extremely bouldery	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
7151:				
Jorge very cobbly fine sandy loam	0-2	---	---	---
	2-9	15-40	---	6.1-7.3
	9-28	8.0-20	---	5.6-7.3
	28-34	8.0-15	---	5.1-6.5
	34-59	8.0-20	---	5.6-6.5
Tahoma	0-3	---	---	---
	3-14	14-32	---	5.6-6.5
	14-22	8.3-25	---	5.1-6.0
	22-38	---	2-10	4.5-6.0
	38-59	---	5-15	4.5-6.0
	59-71	---	5-15	4.5-6.0
	71-81	---	---	---
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Jorge very cobbly loam	0-1	---	---	---
	1-15	11-40	---	5.1-6.5
	15-45	5.8-20	---	5.1-6.5
	45-60	5.8-17	---	5.1-6.5
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Sky	0-1	---	---	---
	1-2	---	---	---
	2-3	25-50	3-10	4.5-6.0
	3-5	20-30	2-8	5.1-6.0
	5-24	20-30	2-4	5.1-6.0
	24-34	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7151:				
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
Rock outcrop.				
7152:				
Jorge very cobbly fine sandy loam	0-2	---	---	---
	2-9	15-40	---	6.1-7.3
	9-28	8.0-20	---	5.6-7.3
	28-34	8.0-15	---	5.1-6.5
	34-59	8.0-20	---	5.6-6.5
Tahoma	0-3	---	---	---
	3-14	14-32	---	5.6-6.5
	14-22	8.3-25	---	5.1-6.0
	22-38	---	2-10	4.5-6.0
	38-59	---	5-15	4.5-6.0
	59-71	---	5-15	4.5-6.0
	71-81	---	---	---
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Jorge very cobbly loam	0-1	---	---	---
	1-15	11-40	---	5.1-6.5
	15-45	5.8-20	---	5.1-6.5
	45-60	5.8-17	---	5.1-6.5
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Sky	0-1	---	---	---
	1-2	---	---	---
	2-3	25-50	3-10	4.5-6.0
	3-5	20-30	2-8	5.1-6.0
	5-24	20-30	2-4	5.1-6.0
	24-34	---	---	---
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7152:				
Rock outcrop.				
7153:				
Jorge very cobbly fine sandy loam	0-2	---	---	---
	2-9	15-40	---	6.1-7.3
	9-28	8.0-20	---	5.6-7.3
	28-34	8.0-15	---	5.1-6.5
	34-59	8.0-20	---	5.6-6.5
Tahoma	0-3	---	---	---
	3-14	14-32	---	5.6-6.5
	14-22	8.3-25	---	5.1-6.0
	22-38	---	2-10	4.5-6.0
	38-59	---	5-15	4.5-6.0
	59-71	---	5-15	4.5-6.0
	71-81	---	---	---
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Jorge very cobbly loam	0-1	---	---	---
	1-15	11-40	---	5.1-6.5
	15-45	5.8-20	---	5.1-6.5
	45-60	5.8-17	---	5.1-6.5
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Sky	0-1	---	---	---
	1-2	---	---	---
	2-3	25-50	3-10	4.5-6.0
	3-5	20-30	2-8	5.1-6.0
	5-24	20-30	2-4	5.1-6.0
	24-34	---	---	---
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
Rock outcrop.				
7154:				
Jorge very cobbly loam	0-1	---	---	---
	1-15	11-40	---	5.1-6.5
	15-45	5.8-20	---	5.1-6.5
	45-60	5.8-17	---	5.1-6.5

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7154:				
Rubble land.				
Tahoma	0-3	---	---	---
	3-14	14-32	---	5.6-6.5
	14-22	8.3-25	---	5.1-6.0
	22-38	---	2-10	4.5-6.0
	38-59	---	5-15	4.5-6.0
	59-71	---	5-15	4.5-6.0
	71-81	---	---	---
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Rock outcrop.				
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
7155:				
Jorge very cobbly loam	0-1	---	---	---
	1-15	11-40	---	5.1-6.5
	15-45	5.8-20	---	5.1-6.5
	45-60	5.8-17	---	5.1-6.5
Rubble land.				
Tahoma	0-3	---	---	---
	3-14	14-32	---	5.6-6.5
	14-22	8.3-25	---	5.1-6.0
	22-38	---	2-10	4.5-6.0
	38-59	---	5-15	4.5-6.0
	59-71	---	5-15	4.5-6.0
	71-81	---	---	---
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Rock outcrop.				
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7155:				
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
7156:				
Jorge very gravelly sandy loam	0-2	---	---	---
	2-24	12-38	---	5.1-6.5
	24-32	7.2-20	---	5.1-6.5
	32-48	7.1-16	---	5.1-6.5
	48-84	7.1-16	---	5.1-6.5
Tahoma	0-3	---	---	---
	3-14	14-32	---	5.6-6.5
	14-22	8.3-25	---	5.1-6.0
	22-38	---	2-10	4.5-6.0
	38-59	---	5-15	4.5-6.0
	59-71	---	5-15	4.5-6.0
	71-81	---	---	---
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Inville	0-2	---	---	---
	2-12	7.9-26	---	5.6-6.5
	12-37	6.0-17	---	5.6-6.5
	37-56	0.2-5.2	---	5.6-6.5
Rubble land.				
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Rock outcrop.				
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
7157:				
Jorge very gravelly sandy loam	0-2	---	---	---
	2-24	12-38	---	5.1-6.5
	24-32	7.2-20	---	5.1-6.5
	32-48	7.1-16	---	5.1-6.5
	48-84	7.1-16	---	5.1-6.5
Tahoma	0-3	---	---	---
	3-14	14-32	---	5.6-6.5
	14-22	8.3-25	---	5.1-6.0
	22-38	---	2-10	4.5-6.0
	38-59	---	5-15	4.5-6.0
	59-71	---	5-15	4.5-6.0
	71-81	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7157:				
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Inville	0-2	---	---	---
	2-12	7.9-26	---	5.6-6.5
	12-37	6.0-17	---	5.6-6.5
	37-56	0.2-5.2	---	5.6-6.5
Rubble land.				
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Rock outcrop.				
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
7161:				
Kingsbeach	0-1	---	---	---
	1-6	7.6-23	---	5.1-6.5
	6-20	9.1-20	---	5.1-6.5
	20-30	8.6-19	---	5.1-6.5
	30-61	10-20	---	5.1-6.5
Tahoma	0-3	---	---	---
	3-14	14-32	---	5.6-6.5
	14-22	8.3-25	---	5.1-6.0
	22-38	---	2-10	4.5-6.0
	38-59	---	5-15	4.5-6.0
	59-71	---	5-15	4.5-6.0
	71-81	---	---	---
Jorge very gravelly sandy loam	0-2	---	---	---
	2-24	12-38	---	5.1-6.5
	24-32	7.2-20	---	5.1-6.5
	32-48	7.1-16	---	5.1-6.5
	48-84	7.1-16	---	5.1-6.5
Beaches	0-79	---	---	6.8-7.1
Dunes.				
7171:				
Kneeridge, extremely stony	0-2	---	---	---
	2-16	14-37	---	6.1-7.8
	16-39	5.0-25	---	6.1-7.8
	39-79	1.5-8.7	---	6.1-7.8

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7171:				
Jorge very gravelly sandy loam	0-2	---	---	---
	2-24	12-38	---	5.1-6.5
	24-32	7.2-20	---	5.1-6.5
	32-48	7.1-16	---	5.1-6.5
	48-84	7.1-16	---	5.1-6.5
Paige	0-3	---	---	---
	3-20	9.8-25	---	5.6-7.0
	20-48	5.1-16	---	5.6-6.5
	48-62	4.3-14	---	5.6-6.5
	62-80	0.4-9.3	---	5.1-6.5
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
7172:				
Kneeridge, well drained	0-2	---	---	---
	2-16	14-37	---	6.1-7.8
	16-39	5.0-25	---	6.1-7.8
	39-79	1.5-8.7	---	6.1-7.8
Jorge very gravelly sandy loam	0-2	---	---	---
	2-24	12-38	---	5.1-6.5
	24-32	7.2-20	---	5.1-6.5
	32-48	7.1-16	---	5.1-6.5
	48-84	7.1-16	---	5.1-6.5
Paige	0-3	---	---	---
	3-20	9.8-25	---	5.6-7.0
	20-48	5.1-16	---	5.6-6.5
	48-62	4.3-14	---	5.6-6.5
	62-80	0.4-9.3	---	5.1-6.5
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
7173:				
Kneeridge, very stony	0-2	---	---	---
	2-16	14-37	---	6.1-7.8
	16-39	5.0-25	---	6.1-7.8
	39-79	1.5-8.7	---	6.1-7.8

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7173:				
Jorge very gravelly sandy loam	0-2	---	---	---
	2-24	12-38	---	5.1-6.5
	24-32	7.2-20	---	5.1-6.5
	32-48	7.1-16	---	5.1-6.5
	48-84	7.1-16	---	5.1-6.5
Paige	0-3	---	---	---
	3-20	9.8-25	---	5.6-7.0
	20-48	5.1-16	---	5.6-6.5
	48-62	4.3-14	---	5.6-6.5
	62-80	0.4-9.3	---	5.1-6.5
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
7174:				
Kneeridge, very stony	0-2	---	---	---
	2-16	14-37	---	6.1-7.8
	16-39	5.0-25	---	6.1-7.8
	39-79	1.5-8.7	---	6.1-7.8
Jorge very gravelly sandy loam	0-2	---	---	---
	2-24	12-38	---	5.1-6.5
	24-32	7.2-20	---	5.1-6.5
	32-48	7.1-16	---	5.1-6.5
	48-84	7.1-16	---	5.1-6.5
Paige	0-3	---	---	---
	3-20	9.8-25	---	5.6-7.0
	20-48	5.1-16	---	5.6-6.5
	48-62	4.3-14	---	5.6-6.5
	62-80	0.4-9.3	---	5.1-6.5
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
7181:				
Paige	0-3	---	---	---
	3-20	9.8-25	---	5.6-7.0
	20-48	5.1-16	---	5.6-6.5
	48-62	4.3-14	---	5.6-6.5
	62-80	0.4-9.3	---	5.1-6.5

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7181:				
Kneeridge, well drained	0-2	---	---	---
	2-16	14-37	---	6.1-7.8
	16-39	5.0-25	---	6.1-7.8
	39-79	1.5-8.7	---	6.1-7.8
Jorge very gravelly sandy loam	0-2	---	---	---
	2-24	12-38	---	5.1-6.5
	24-32	7.2-20	---	5.1-6.5
	32-48	7.1-16	---	5.1-6.5
	48-84	7.1-16	---	5.1-6.5
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
7182:				
Paige	0-3	---	---	---
	3-20	9.8-25	---	5.6-7.0
	20-48	5.1-16	---	5.6-6.5
	48-62	4.3-14	---	5.6-6.5
	62-80	0.4-9.3	---	5.1-6.5
Jorge very gravelly sandy loam	0-2	---	---	---
	2-24	12-38	---	5.1-6.5
	24-32	7.2-20	---	5.1-6.5
	32-48	7.1-16	---	5.1-6.5
	48-84	7.1-16	---	5.1-6.5
Tahoma	0-3	---	---	---
	3-14	14-32	---	5.6-6.5
	14-22	8.3-25	---	5.1-6.0
	22-38	---	2-10	4.5-6.0
	38-59	---	5-15	4.5-6.0
	59-71	---	5-15	4.5-6.0
	71-81	---	---	---
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Kneeridge, well drained	0-2	---	---	---
	2-16	14-37	---	6.1-7.8
	16-39	5.0-25	---	6.1-7.8
	39-79	1.5-8.7	---	6.1-7.8
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7183:				
Paige	0-3	---	---	---
	3-20	9.8-25	---	5.6-7.0
	20-48	5.1-16	---	5.6-6.5
	48-62	4.3-14	---	5.6-6.5
	62-80	0.4-9.3	---	5.1-6.5
Jorge very gravelly sandy loam	0-2	---	---	---
	2-24	12-38	---	5.1-6.5
	24-32	7.2-20	---	5.1-6.5
	32-48	7.1-16	---	5.1-6.5
	48-84	7.1-16	---	5.1-6.5
Tahoma	0-3	---	---	---
	3-14	14-32	---	5.6-6.5
	14-22	8.3-25	---	5.1-6.0
	22-38	---	2-10	4.5-6.0
	38-59	---	5-15	4.5-6.0
	59-71	---	5-15	4.5-6.0
	71-81	---	---	---
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
7191:				
Rock outcrop, volcanic.				
Glenalpine	0-11	11-28	---	6.6-7.3
	11-40	6.6-22	---	6.6-7.3
	40-50	3.4-13	---	6.6-7.3
	50-59	0.4-9.3	---	5.1-6.5
Lithnip	0-2	9.0-16	---	6.1-7.3
	2-5	9.0-16	---	6.1-7.3
	5-15	---	---	---
Meiss	0-6	---	10-25	5.0-6.0
	6-13	---	5-15	5.0-6.0
	13-23	---	---	---
Melody	0-1	---	---	---
	1-2	20-35	---	5.1-6.0
	2-9	15-30	---	5.1-6.0
	9-15	12-25	---	5.1-6.0
	15-25	---	---	---
Rubble land.				
7201:				
Rubble land, talus.				

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7201:				
Glenalpine	0-11	11-28	---	6.6-7.3
	11-40	6.6-22	---	6.6-7.3
	40-50	3.4-13	---	6.6-7.3
	50-59	0.4-9.3	---	5.1-6.5
Rock outcrop.				
Rockbound very stony loam	0-2	---	1-6	5.1-6.0
	2-5	---	0-4	5.1-6.0
	5-17	4.0-12	---	5.1-6.0
	17-27	---	---	---
7211:				
Southcamp	0-2	---	---	---
	2-4	14-35	---	6.1-7.3
	4-15	6.3-18	---	6.1-7.3
	15-34	14-25	---	6.1-7.3
	34-53	12-22	---	6.1-7.3
	53-60	12-22	---	6.1-7.3
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Genoapeak	0-2	---	---	---
	2-4	8.1-22	---	6.1-6.8
	4-7	5.0-14	---	6.1-6.8
	7-16	0.2-1.9	---	6.1-6.8
	16-60	0.2-1.9	---	6.1-6.8
Zephyrcove	0-2	---	---	---
	2-4	---	---	---
	4-7	12-27	---	6.1-7.3
	7-16	4.4-15	---	6.1-7.3
	16-35	7.5-20	---	6.1-7.3
	35-44	---	---	---
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Deerhill	0-1	---	---	---
	1-9	4.1-9.6	---	5.6-7.0
	1-9	4.1-9.6	---	5.6-7.0
	9-35	6.4-12	---	5.6-7.0
	35-51	12-22	---	5.6-6.5
	51-65	12-22	---	5.6-6.5
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7221:				
Tahoma	0-3	---	---	---
	3-14	14-32	---	5.6-6.5
	14-22	8.3-25	---	5.1-6.0
	22-38	---	2-10	4.5-6.0
	38-59	---	5-15	4.5-6.0
	59-71	---	5-15	4.5-6.0
	71-81	---	---	---
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Inville	0-2	---	---	---
	2-12	7.9-26	---	5.6-6.5
	12-37	6.0-17	---	5.6-6.5
	37-56	0.2-5.2	---	5.6-6.5
Rubble land.				
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Rock outcrop.				
7222:				
Tahoma	0-3	---	---	---
	3-14	14-32	---	5.6-6.5
	14-22	8.3-25	---	5.1-6.0
	22-38	---	2-10	4.5-6.0
	38-59	---	5-15	4.5-6.0
	59-71	---	5-15	4.5-6.0
	71-81	---	---	---
Jorge very gravelly sandy loam	0-2	---	---	---
	2-24	12-38	---	5.1-6.5
	24-32	7.2-20	---	5.1-6.5
	32-48	7.1-16	---	5.1-6.5
	48-84	7.1-16	---	5.1-6.5
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7222:				
Inville	0-2	---	---	---
	2-12	7.9-26	---	5.6-6.5
	12-37	6.0-17	---	5.6-6.5
	37-56	0.2-5.2	---	5.6-6.5
Rubble land.				
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Rock outcrop.				
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
7231:				
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Rock outcrop.				
Windy	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-49	2.8-20	---	5.6-6.5
	49-59	---	---	---
Kneeridge, well drained	0-2	---	---	---
	2-16	14-37	---	6.1-7.8
	16-39	5.0-25	---	6.1-7.8
	39-79	1.5-8.7	---	6.1-7.8
Paige	0-3	---	---	---
	3-20	9.8-25	---	5.6-7.0
	20-48	5.1-16	---	5.6-6.5
	48-62	4.3-14	---	5.6-6.5
	62-80	0.4-9.3	---	5.1-6.5
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7232:				
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Rock outcrop.				
Windy	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-49	2.8-20	---	5.6-6.5
	49-59	---	---	---
Kneeridge, well drained	0-2	---	---	---
	2-16	14-37	---	6.1-7.8
	16-39	5.0-25	---	6.1-7.8
	39-79	1.5-8.7	---	6.1-7.8
Paige	0-3	---	---	---
	3-20	9.8-25	---	5.6-7.0
	20-48	5.1-16	---	5.6-6.5
	48-62	4.3-14	---	5.6-6.5
	62-80	0.4-9.3	---	5.1-6.5
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
Typic Epiaquents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	4.6-28	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
7233:				
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7233:				
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Rock outcrop.				
Windy	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-49	2.8-20	---	5.6-6.5
	49-59	---	---	---
Kneeridge, well drained	0-2	---	---	---
	2-16	14-37	---	6.1-7.8
	16-39	5.0-25	---	6.1-7.8
	39-79	1.5-8.7	---	6.1-7.8
Paige	0-3	---	---	---
	3-20	9.8-25	---	5.6-7.0
	20-48	5.1-16	---	5.6-6.5
	48-62	4.3-14	---	5.6-6.5
	62-80	0.4-9.3	---	5.1-6.5
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
7241:				
Zephyrcove	0-2	---	---	---
	2-4	---	---	---
	4-7	12-27	---	6.1-7.3
	7-16	4.4-15	---	6.1-7.3
	16-35	7.5-20	---	6.1-7.3
	35-44	---	---	---
Southcamp	0-2	---	---	---
	2-4	14-35	---	6.1-7.3
	4-15	6.3-18	---	6.1-7.3
	15-34	14-25	---	6.1-7.3
	34-53	12-22	---	6.1-7.3
	53-60	12-22	---	6.1-7.3
Genoapeak	0-2	---	---	---
	2-4	8.1-22	---	6.1-6.8
	4-7	5.0-14	---	6.1-6.8
	7-16	0.2-1.9	---	6.1-6.8
	16-60	0.2-1.9	---	6.1-6.8
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7241:				
Cassenai gravelly loamy coarse sand---------	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Deerhill-----------------------------------	0-1	---	---	---
	1-9	4.1-9.6	---	5.6-7.0
	1-9	4.1-9.6	---	5.6-7.0
	9-35	6.4-12	---	5.6-7.0
	35-51	12-22	---	5.6-6.5
	51-65	12-22	---	5.6-6.5
Aquic Xerorthents---------------------------	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
7242:				
Zephyrcove----------------------------------	0-2	---	---	---
	2-4	---	---	---
	4-7	12-27	---	6.1-7.3
	7-16	4.4-15	---	6.1-7.3
	16-35	7.5-20	---	6.1-7.3
	35-44	---	---	---
Southcamp-----------------------------------	0-2	---	---	---
	2-4	14-35	---	6.1-7.3
	4-15	6.3-18	---	6.1-7.3
	15-34	14-25	---	6.1-7.3
	34-53	12-22	---	6.1-7.3
	53-60	12-22	---	6.1-7.3
Genoapeak-----------------------------------	0-2	---	---	---
	2-4	8.1-22	---	6.1-6.8
	4-7	5.0-14	---	6.1-6.8
	7-16	0.2-1.9	---	6.1-6.8
	16-60	0.2-1.9	---	6.1-6.8
Cagwin--------------------------------------	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Cassenai gravelly loamy coarse sand---------	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Deerhill-----------------------------------	0-1	---	---	---
	1-9	4.1-9.6	---	5.6-7.0
	1-9	4.1-9.6	---	5.6-7.0
	9-35	6.4-12	---	5.6-7.0
	35-51	12-22	---	5.6-6.5
	51-65	12-22	---	5.6-6.5

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7242:				
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
7401:				
Burnlake	0-2	9.0-15	---	6.1-7.3
	2-17	9.0-16	---	6.1-7.3
	17-26	9.0-16	---	6.1-7.3
	26-60	0.0-10	---	6.1-7.3
Roadcat	0-8	4.0-10	---	5.6-6.5
	8-19	9.0-16	---	5.6-7.3
	19-36	2.0-6.0	---	5.6-7.3
	36-60	2.0-6.0	---	5.6-7.3
Hardtil	0-3	5.0-15	---	5.6-6.5
	3-7	5.0-15	---	5.6-6.5
	7-18	5.0-15	---	5.6-6.5
	18-28	---	---	---
Aquic Haplocryolls	0-12	18-26	---	5.6-6.5
	12-30	15-22	---	5.6-6.5
	30-39	9.0-16	---	5.6-6.5
	39-60	0.0-10	---	5.6-6.5
Aspetill	0-5	10-24	---	6.1-7.3
	5-26	17-27	---	6.1-7.3
	26-60	17-27	---	6.1-7.3
Cumulic Cryaquolls	0-12	18-26	---	5.6-6.5
	12-30	15-22	---	5.6-6.5
	30-39	9.0-16	---	5.6-6.5
	39-60	0.0-10	---	5.6-6.5
Stumpatil	0-6	9.0-19	---	5.1-6.0
	6-11	5.0-15	---	5.1-6.0
	11-26	5.0-15	---	5.1-6.0
	26-33	5.0-15	---	5.1-6.0
	33-60	5.0-15	---	5.1-6.0
Typic Haploxerepts	0-8	4.0-10	---	5.6-6.5
	8-19	9.0-16	---	5.6-7.3
	19-36	2.0-6.0	---	5.6-7.3
	36-60	2.0-6.0	---	5.6-7.3
Rock outcrop.				
7411:				
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Rock outcrop, granitic.				

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7411:				
Cassenai gravelly loamy coarse sand---------	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Toem----------	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Dagget very gravelly loamy coarse sand------	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Temo----------	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---
Witefels----------	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---
Marla----------	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
7412:				
Cagwin----------	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Rock outcrop, granitic.				
Cassenai gravelly loamy coarse sand---------	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Toem----------	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Dagget very gravelly loamy coarse sand------	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Temo----------	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7412:				
Witefels	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
7413:				
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Rock outcrop, granitic.				
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Toem	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Dagget very gravelly loamy coarse sand	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Temo	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---
Witefels	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
7414:				
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Rock outcrop, granitic.				

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7414:				
Cassenai gravelly loamy coarse sand---------	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Toem----------	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Dagget very gravelly loamy coarse sand------	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Temo----------	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---
Witefels----------	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---
Marla----------	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
7421:				
Cassenai gravelly loamy coarse sand---------	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Cagwin----------	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Toem----------	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Rock outcrop.				
Christopher gravelly loamy coarse sand------	0-1	---	---	---
	1-5	1.0-4.8	---	5.1-6.5
	5-32	1.8-5.8	---	5.1-6.5
	32-41	1.8-5.8	---	5.1-6.5
	41-71	0.9-4.2	---	5.1-6.5

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7421:				
Christopher loamy coarse sand	0-1	---	---	---
	1-8	0.0-4.8	---	5.1-6.0
	8-26	0.0-4.2	---	5.1-6.0
	26-42	0.9-4.2	---	5.1-6.0
	42-61	0.9-4.2	---	5.1-6.0
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
7422:				
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Dagget very gravelly loamy coarse sand	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Toem	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
Christopher gravelly loamy coarse sand	0-1	---	---	---
	1-5	1.0-4.8	---	5.1-6.5
	5-32	1.8-5.8	---	5.1-6.5
	32-41	1.8-5.8	---	5.1-6.5
	41-71	0.9-4.2	---	5.1-6.5
Rock outcrop.				
7423:				
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7423:				
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Toem	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Rock outcrop.				
Christopher gravelly loamy coarse sand	0-1	---	---	---
	1-5	1.0-4.8	---	5.1-6.5
	5-32	1.8-5.8	---	5.1-6.5
	32-41	1.8-5.8	---	5.1-6.5
	41-71	0.9-4.2	---	5.1-6.5
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
7424:				
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Toem	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Rock outcrop.				
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7425:				
Cassenai, moist	0-3	---	---	---
	3-11	0.0-5.9	---	5.6-7.0
	11-20	0.0-5.3	---	5.6-7.0
	20-63	0.0-4.2	---	5.6-7.0
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Meeks, extremely bouldery	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Tallac, very stony	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Rock outcrop.				
Toem	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
7426:				
Cassenai, moist	0-3	---	---	---
	3-11	0.0-5.9	---	5.6-7.0
	11-20	0.0-5.3	---	5.6-7.0
	20-63	0.0-4.2	---	5.6-7.0
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Tallac, very stony	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Meeks, extremely bouldery	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Rock outcrop.				

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7426:				
Toem	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
7427:				
Cassenai, moist	0-3	---	---	---
	3-11	0.0-5.9	---	5.6-7.0
	11-20	0.0-5.3	---	5.6-7.0
	20-63	0.0-4.2	---	5.6-7.0
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Meeks, extremely bouldery	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Toem	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Rock outcrop.				
Tallac, very stony	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7428:				
Cassenai, moist	0-3	---	---	---
	3-11	0.0-5.9	---	5.6-7.0
	11-20	0.0-5.3	---	5.6-7.0
	20-63	0.0-4.2	---	5.6-7.0
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Meeks, extremely bouldery	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Toem	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Rock outcrop.				
Tallac, very stony	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
7431:				
Celio	0-8	0.0-17	---	5.6-6.5
	8-16	0.0-12	---	5.6-6.5
	16-23	0.0-10	---	5.6-6.5
	23-45	0.0-4.5	---	5.6-7.3
	45-56	---	---	---
	56-80	0.0-3.9	---	5.6-7.3
Meeks, stony	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7431:				
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
Watah	0-3	---	---	---
	3-8	---	---	---
	8-15	20-42	---	5.1-6.0
	15-63	---	0-5	5.1-6.0
7441:				
Christopher loamy coarse sand	0-1	---	---	---
	1-8	0.0-4.8	---	5.1-6.0
	8-26	0.0-4.2	---	5.1-6.0
	26-42	0.9-4.2	---	5.1-6.0
	42-61	0.9-4.2	---	5.1-6.0
Gefo gravelly loamy coarse sand	0-15	2.2-7.2	---	5.1-6.5
	15-75	1.2-5.0	---	5.1-6.5
Jabu	0-1	---	---	---
	1-7	4.0-8.7	---	5.1-6.5
	7-21	6.3-11	---	5.1-6.5
	21-46	6.9-13	---	5.1-6.5
	46-67	2.7-8.6	---	5.1-6.5
	67-73	1.9-15	---	5.1-6.5
	73-101	1.9-12	---	5.1-6.5
Oneidas	0-1	---	---	5.1-6.5
	1-9	2.2-15	---	5.1-6.5
	9-12	3.8-9.5	---	5.1-6.5
	12-65	3.6-9.5	---	5.1-6.5
	65-79	1.1-8.0	---	6.1-7.0
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
7442:				
Christopher loamy coarse sand	0-1	---	---	---
	1-8	0.0-4.8	---	5.1-6.0
	8-26	0.0-4.2	---	5.1-6.0
	26-42	0.9-4.2	---	5.1-6.0
	42-61	0.9-4.2	---	5.1-6.0
Gefo gravelly loamy coarse sand	0-15	2.2-7.2	---	5.1-6.5
	15-75	1.2-5.0	---	5.1-6.5
Jabu	0-1	---	---	---
	1-7	4.0-8.7	---	5.1-6.5
	7-21	6.3-11	---	5.1-6.5
	21-46	6.9-13	---	5.1-6.5
	46-67	2.7-8.6	---	5.1-6.5
	67-73	1.9-15	---	5.1-6.5
	73-101	1.9-12	---	5.1-6.5

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7442:				
Oneidas	0-1	---	---	5.1-6.5
	1-9	2.2-15	---	5.1-6.5
	9-12	3.8-9.5	---	5.1-6.5
	12-65	3.6-9.5	---	5.1-6.5
	65-79	1.1-8.0	---	6.1-7.0
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
7443:				
Christopher gravelly loamy coarse sand	0-1	---	---	---
	1-5	1.0-4.8	---	5.1-6.5
	5-32	1.8-5.8	---	5.1-6.5
	32-41	1.8-5.8	---	5.1-6.5
	41-71	0.9-4.2	---	5.1-6.5
Gefo gravelly loamy coarse sand	0-15	2.2-7.2	---	5.1-6.5
	15-75	1.2-5.0	---	5.1-6.5
Jabu	0-1	---	---	---
	1-7	4.0-8.7	---	5.1-6.5
	7-21	6.3-11	---	5.1-6.5
	21-46	6.9-13	---	5.1-6.5
	46-67	2.7-8.6	---	5.1-6.5
	67-73	1.9-15	---	5.1-6.5
	73-101	1.9-12	---	5.1-6.5
Oneidas	0-1	---	---	5.1-6.5
	1-9	2.2-15	---	5.1-6.5
	9-12	3.8-9.5	---	5.1-6.5
	12-65	3.6-9.5	---	5.1-6.5
	65-79	1.1-8.0	---	6.1-7.0
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
7444:				
Christopher loamy coarse sand	0-1	---	---	---
	1-8	0.0-4.8	---	5.1-6.0
	8-26	0.0-4.2	---	5.1-6.0
	26-42	0.9-4.2	---	5.1-6.0
	42-61	0.9-4.2	---	5.1-6.0
Gefo gravelly loamy coarse sand	0-15	2.2-7.2	---	5.1-6.5
	15-75	1.2-5.0	---	5.1-6.5
Jabu	0-1	---	---	---
	1-7	4.0-8.7	---	5.1-6.5
	7-21	6.3-11	---	5.1-6.5
	21-46	6.9-13	---	5.1-6.5
	46-67	2.7-8.6	---	5.1-6.5
	67-73	1.9-15	---	5.1-6.5
	73-101	1.9-12	---	5.1-6.5

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7444:				
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
Oneidas	0-1	---	---	5.1-6.5
	1-9	2.2-15	---	5.1-6.5
	9-12	3.8-9.5	---	5.1-6.5
	12-65	3.6-9.5	---	5.1-6.5
	65-79	1.1-8.0	---	6.1-7.0
Ubaj	0	---	---	---
	0-7	5.5-11	---	5.1-6.0
	7-17	5.4-11	---	5.1-6.0
	17-28	11-16	---	5.1-6.0
	28-42	14-21	---	5.1-6.0
	42-49	20-26	---	5.1-6.0
	49-120	20-26	---	6.0-7.0
7451:				
Gefo gravelly loamy coarse sand	0-15	2.2-7.2	---	5.1-6.5
	15-75	1.2-5.0	---	5.1-6.5
Christopher loamy coarse sand	0-1	---	---	---
	1-8	0.0-4.8	---	5.1-6.0
	8-26	0.0-4.2	---	5.1-6.0
	26-42	0.9-4.2	---	5.1-6.0
	42-61	0.9-4.2	---	5.1-6.0
Jabu	0-1	---	---	---
	1-7	4.0-8.7	---	5.1-6.5
	7-21	6.3-11	---	5.1-6.5
	21-46	6.9-13	---	5.1-6.5
	46-67	2.7-8.6	---	5.1-6.5
	67-73	1.9-15	---	5.1-6.5
	73-101	1.9-12	---	5.1-6.5
Oneidas	0-1	---	---	5.1-6.5
	1-9	2.2-15	---	5.1-6.5
	9-12	3.8-9.5	---	5.1-6.5
	12-65	3.6-9.5	---	5.1-6.5
	65-79	1.1-8.0	---	6.1-7.0
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
7452:				
Gefo gravelly loamy coarse sand	0-15	2.2-7.2	---	5.1-6.5
	15-75	1.2-5.0	---	5.1-6.5
Christopher loamy coarse sand	0-1	---	---	---
	1-8	0.0-4.8	---	5.1-6.0
	8-26	0.0-4.2	---	5.1-6.0
	26-42	0.9-4.2	---	5.1-6.0
	42-61	0.9-4.2	---	5.1-6.0

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7452:				
Jabu	0-1	---	---	---
	1-7	4.0-8.7	---	5.1-6.5
	7-21	6.3-11	---	5.1-6.5
	21-46	6.9-13	---	5.1-6.5
	46-67	2.7-8.6	---	5.1-6.5
	67-73	1.9-15	---	5.1-6.5
	73-101	1.9-12	---	5.1-6.5
Oneidas	0-1	---	---	5.1-6.5
	1-9	2.2-15	---	5.1-6.5
	9-12	3.8-9.5	---	5.1-6.5
	12-65	3.6-9.5	---	5.1-6.5
	65-79	1.1-8.0	---	6.1-7.0
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
7461:				
Jabu	0-1	---	---	---
	1-7	4.0-8.7	---	5.1-6.5
	7-21	6.3-11	---	5.1-6.5
	21-46	6.9-13	---	5.1-6.5
	46-67	2.7-8.6	---	5.1-6.5
	67-73	1.9-15	---	5.1-6.5
	73-101	1.9-12	---	5.1-6.5
Christopher loamy coarse sand	0-1	---	---	---
	1-8	0.0-4.8	---	5.1-6.0
	8-26	0.0-4.2	---	5.1-6.0
	26-42	0.9-4.2	---	5.1-6.0
	42-61	0.9-4.2	---	5.1-6.0
Oneidas	0-1	---	---	5.1-6.5
	1-9	2.2-15	---	5.1-6.5
	9-12	3.8-9.5	---	5.1-6.5
	12-65	3.6-9.5	---	5.1-6.5
	65-79	1.1-8.0	---	6.1-7.0
Gefo gravelly loamy coarse sand	0-15	2.2-7.2	---	5.1-6.5
	15-75	1.2-5.0	---	5.1-6.5
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
7462:				
Jabu	0-1	---	---	---
	1-7	4.0-8.7	---	5.1-6.5
	7-21	6.3-11	---	5.1-6.5
	21-46	6.9-13	---	5.1-6.5
	46-67	2.7-8.6	---	5.1-6.5
	67-73	1.9-15	---	5.1-6.5
	73-101	1.9-12	---	5.1-6.5

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7462:				
Christopher loamy coarse sand	0-1	---	---	---
	1-8	0.0-4.8	---	5.1-6.0
	8-26	0.0-4.2	---	5.1-6.0
	26-42	0.9-4.2	---	5.1-6.0
	42-61	0.9-4.2	---	5.1-6.0
Oneidas	0-1	---	---	5.1-6.5
	1-9	2.2-15	---	5.1-6.5
	9-12	3.8-9.5	---	5.1-6.5
	12-65	3.6-9.5	---	5.1-6.5
	65-79	1.1-8.0	---	6.1-7.0
Gefo gravelly loamy coarse sand	0-15	2.2-7.2	---	5.1-6.5
	15-75	1.2-5.0	---	5.1-6.5
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
7471:				
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
Christopher loamy coarse sand	0-1	---	---	---
	1-8	0.0-4.8	---	5.1-6.0
	8-26	0.0-4.2	---	5.1-6.0
	26-42	0.9-4.2	---	5.1-6.0
	42-61	0.9-4.2	---	5.1-6.0
Gefo gravelly loamy coarse sand	0-15	2.2-7.2	---	5.1-6.5
	15-75	1.2-5.0	---	5.1-6.5
Tahoe silt loam	0-3	---	---	5.1-7.3
	3-11	28-47	10-20	5.1-7.3
	11-15	28-47	---	5.1-7.3
	15-20	0.0-3.3	---	5.1-7.3
	20-30	5.2-23	---	5.1-7.3
	30-49	0.0-13	---	5.1-7.3
	49-59	0.0-7.4	---	5.1-7.3
Ubaj	0	---	---	---
	0-7	5.5-11	---	5.1-6.0
	7-17	5.4-11	---	5.1-6.0
	17-28	11-16	---	5.1-6.0
	28-42	14-21	---	5.1-6.0
	42-49	20-26	---	5.1-6.0
	49-120	20-26	---	6.0-7.0
Watah	0-3	---	---	---
	3-8	---	---	---
	8-15	20-42	---	5.1-6.0
	15-63	---	0-5	5.1-6.0

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7481:				
Meeks, stony	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Celio	0-8	0.0-17	---	5.6-6.5
	8-16	0.0-12	---	5.6-6.5
	16-23	0.0-10	---	5.6-6.5
	23-45	0.0-4.5	---	5.6-7.3
	45-56	---	---	---
	56-80	0.0-3.9	---	5.6-7.3
Gefo gravelly loamy coarse sand	0-15	2.2-7.2	---	5.1-6.5
	15-75	1.2-5.0	---	5.1-6.5
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
7482:				
Meeks, stony	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Oneidas	0-1	---	---	5.1-6.5
	1-9	2.2-15	---	5.1-6.5
	9-12	3.8-9.5	---	5.1-6.5
	12-65	3.6-9.5	---	5.1-6.5
	65-79	1.1-8.0	---	6.1-7.0
Celio	0-8	0.0-17	---	5.6-6.5
	8-16	0.0-12	---	5.6-6.5
	16-23	0.0-10	---	5.6-6.5
	23-45	0.0-4.5	---	5.6-7.3
	45-56	---	---	---
	56-80	0.0-3.9	---	5.6-7.3
7483:				
Meeks, very stony	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7483:				
Celio	0-8	0.0-17	---	5.6-6.5
	8-16	0.0-12	---	5.6-6.5
	16-23	0.0-10	---	5.6-6.5
	23-45	0.0-4.5	---	5.6-7.3
	45-56	---	---	---
	56-80	0.0-3.9	---	5.6-7.3
Jabu	0-1	---	---	---
	1-7	4.0-8.7	---	5.1-6.5
	7-21	6.3-11	---	5.1-6.5
	21-46	6.9-13	---	5.1-6.5
	46-67	2.7-8.6	---	5.1-6.5
	67-73	1.9-15	---	5.1-6.5
	73-101	1.9-12	---	5.1-6.5
7484:				
Meeks, extremely bouldery	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Burnlake	0-2	9.0-15	---	6.1-7.3
	2-17	9.0-16	---	6.1-7.3
	17-26	9.0-16	---	6.1-7.3
	26-60	0.0-10	---	6.1-7.3
Meeks, rubbly	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Dagget, moist	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Tallac, very stony	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Roadcat	0-8	4.0-10	---	5.6-6.5
	8-19	9.0-16	---	5.6-7.3
	19-36	2.0-6.0	---	5.6-7.3
	36-60	2.0-6.0	---	5.6-7.3
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7484:				
Jabu	0-1	---	---	---
	1-7	4.0-8.7	---	5.1-6.5
	7-21	6.3-11	---	5.1-6.5
	21-46	6.9-13	---	5.1-6.5
	46-67	2.7-8.6	---	5.1-6.5
	67-73	1.9-15	---	5.1-6.5
	73-101	1.9-12	---	5.1-6.5
7485:				
Meeks, extremely bouldery	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Burnlake	0-2	9.0-15	---	6.1-7.3
	2-17	9.0-16	---	6.1-7.3
	17-26	9.0-16	---	6.1-7.3
	26-60	0.0-10	---	6.1-7.3
Meeks, rubbly	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Dagget, moist	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Tallac, very stony	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Roadcat	0-8	4.0-10	---	5.6-6.5
	8-19	9.0-16	---	5.6-7.3
	19-36	2.0-6.0	---	5.6-7.3
	36-60	2.0-6.0	---	5.6-7.3
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
Jabu	0-1	---	---	---
	1-7	4.0-8.7	---	5.1-6.5
	7-21	6.3-11	---	5.1-6.5
	21-46	6.9-13	---	5.1-6.5
	46-67	2.7-8.6	---	5.1-6.5
	67-73	1.9-15	---	5.1-6.5
	73-101	1.9-12	---	5.1-6.5

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7486:				
Meeks, extremely bouldery	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Burnlake	0-2	9.0-15	---	6.1-7.3
	2-17	9.0-16	---	6.1-7.3
	17-26	9.0-16	---	6.1-7.3
	26-60	0.0-10	---	6.1-7.3
Meeks, rubbly	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Dagget, moist	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Tallac, very stony	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Roadcat	0-8	4.0-10	---	5.6-6.5
	8-19	9.0-16	---	5.6-7.3
	19-36	2.0-6.0	---	5.6-7.3
	36-60	2.0-6.0	---	5.6-7.3
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
Jabu	0-1	---	---	---
	1-7	4.0-8.7	---	5.1-6.5
	7-21	6.3-11	---	5.1-6.5
	21-46	6.9-13	---	5.1-6.5
	46-67	2.7-8.6	---	5.1-6.5
	67-73	1.9-15	---	5.1-6.5
	73-101	1.9-12	---	5.1-6.5
7487:				
Meeks, rubbly	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Burnlake	0-2	9.0-15	---	6.1-7.3
	2-17	9.0-16	---	6.1-7.3
	17-26	9.0-16	---	6.1-7.3
	26-60	0.0-10	---	6.1-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7487:				
Rockbound very gravelly loam	0-6	3.2-12	---	5.5-6.5
	6-8	3.1-11	---	5.5-6.5
	8-20	---	---	---
Roadcat	0-8	4.0-10	---	5.6-6.5
	8-19	9.0-16	---	5.6-7.3
	19-36	2.0-6.0	---	5.6-7.3
	36-60	2.0-6.0	---	5.6-7.3
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
Rock outcrop.				
Rubble land.				
7488:				
Meeks, rubbly	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Burnlake	0-2	9.0-15	---	6.1-7.3
	2-17	9.0-16	---	6.1-7.3
	17-26	9.0-16	---	6.1-7.3
	26-60	0.0-10	---	6.1-7.3
Rockbound very gravelly loam	0-6	3.2-12	---	5.5-6.5
	6-8	3.1-11	---	5.5-6.5
	8-20	---	---	---
Roadcat	0-8	4.0-10	---	5.6-6.5
	8-19	9.0-16	---	5.6-7.3
	19-36	2.0-6.0	---	5.6-7.3
	36-60	2.0-6.0	---	5.6-7.3
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7488:				
Cassenai gravelly loamy coarse sand---------	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Aquic Xerorthents----------	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
Rock outcrop.				
Rubble land.				
7489:				
Meeks, rubbly----------	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Burnlake----------	0-2	9.0-15	---	6.1-7.3
	2-17	9.0-16	---	6.1-7.3
	17-26	9.0-16	---	6.1-7.3
	26-60	0.0-10	---	6.1-7.3
Rockbound very stony loam----------	0-2	---	1-6	5.1-6.0
	2-5	---	0-4	5.1-6.0
	5-17	4.0-12	---	5.1-6.0
	17-27	---	---	---
Roadcat----------	0-8	4.0-10	---	5.6-6.5
	8-19	9.0-16	---	5.6-7.3
	19-36	2.0-6.0	---	5.6-7.3
	36-60	2.0-6.0	---	5.6-7.3
Cassenai gravelly loamy coarse sand---------	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Aquic Xerorthents----------	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
Cagwin----------	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7489:				
Rock outcrop.				
Rubble land.				
Toem	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
7491:				
Oneidas	0-1	---	---	5.1-6.5
	1-9	2.2-15	---	5.1-6.5
	9-12	3.8-9.5	---	5.1-6.5
	12-65	3.6-9.5	---	5.1-6.5
	65-79	1.1-8.0	---	6.1-7.0
Jabu	0-1	---	---	---
	1-7	4.0-8.7	---	5.1-6.5
	7-21	6.3-11	---	5.1-6.5
	21-46	6.9-13	---	5.1-6.5
	46-67	2.7-8.6	---	5.1-6.5
	67-73	1.9-15	---	5.1-6.5
	73-101	1.9-12	---	5.1-6.5
Christopher loamy coarse sand	0-1	---	---	---
	1-8	0.0-4.8	---	5.1-6.0
	8-26	0.0-4.2	---	5.1-6.0
	26-42	0.9-4.2	---	5.1-6.0
	42-61	0.9-4.2	---	5.1-6.0
Meeks, stony	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Gefo gravelly loamy coarse sand	0-15	2.2-7.2	---	5.1-6.5
	15-75	1.2-5.0	---	5.1-6.5
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
7492:				
Oneidas	0-1	---	---	5.1-6.5
	1-9	2.2-15	---	5.1-6.5
	9-12	3.8-9.5	---	5.1-6.5
	12-65	3.6-9.5	---	5.1-6.5
	65-79	1.1-8.0	---	6.1-7.0
Jabu	0-1	---	---	---
	1-7	4.0-8.7	---	5.1-6.5
	7-21	6.3-11	---	5.1-6.5
	21-46	6.9-13	---	5.1-6.5
	46-67	2.7-8.6	---	5.1-6.5
	67-73	1.9-15	---	5.1-6.5
	73-101	1.9-12	---	5.1-6.5

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7492:				
Christopher loamy coarse sand	0-1	---	---	---
	1-8	0.0-4.8	---	5.1-6.0
	8-26	0.0-4.2	---	5.1-6.0
	26-42	0.9-4.2	---	5.1-6.0
	42-61	0.9-4.2	---	5.1-6.0
Meeks, stony	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Gefo gravelly loamy coarse sand	0-15	2.2-7.2	---	5.1-6.5
	15-75	1.2-5.0	---	5.1-6.5
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
7500:				
Rock outcrop, granitic.				
Rockbound very stony loam	0-2	---	1-6	5.1-6.0
	2-5	---	0-4	5.1-6.0
	5-17	4.0-12	---	5.1-6.0
	17-27	---	---	---
Rubble land.				
Toem	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Windyridge	0-2	---	2-6	4.5-6.0
	2-10	---	0-3	4.5-6.0
	10-20	---	---	---
Freelpeak	0-2	0.0-0.5	---	---
	2-4	0.0-1.9	---	5.1-6.0
	4-8	0.0-2.2	---	5.1-6.0
	8-36	0.0-2.9	---	5.1-6.0
	36-46	---	---	---
Jobsis	0-1	2.0-10	---	4.5-5.5
	1-5	0.0-10	---	4.5-5.5
	5-9	0.0-10	---	4.5-5.5
	9-12	0.0-10	---	4.5-5.5
	12-17	0.0-10	---	4.5-5.5
	17-20	0.0-10	---	4.5-5.5
	20-30	---	---	---
7501:				
Rock outcrop, granitic.				
Rockbound very gravelly loam	0-6	3.2-12	---	5.5-6.5
	6-8	3.1-11	---	5.5-6.5
	8-20	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7501:				
Dagget, moist	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Meeks, rubbly	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Temo	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---
Witefels	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---
7502:				
Rock outcrop, granitic.				
Rockbound very stony loam	0-2	---	1-6	5.1-6.0
	2-5	---	0-4	5.1-6.0
	5-17	4.0-12	---	5.1-6.0
	17-27	---	---	---
Dagget, moist	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Glenalpine	0-11	11-28	---	6.6-7.3
	11-40	6.6-22	---	6.6-7.3
	40-50	3.4-13	---	6.6-7.3
	50-59	0.4-9.3	---	5.1-6.5
Rubble land.				
Temo	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---
Witefels	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---
7511:				
Shalgran	0-3	2.0-10	---	5.1-6.5
	3-14	5.0-20	---	5.1-6.5
	14-24	---	---	---
Rock outcrop.				

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7511:				
Sofgran	0-3	---	2-6	4.5-5.5
	3-6	---	2-6	4.5-5.5
	6-9	---	1-4	4.5-5.5
	9-19	---	1-4	4.5-5.5
	19-27	---	1-4	4.5-5.5
	27-45	---	0-3	4.5-5.5
	45-60	---	0-3	4.5-5.5
Dystric Xerorthents	0-3	2.0-10	---	5.1-6.5
	3-38	5.0-20	---	5.1-6.5
	38-41	---	---	---
Burnlake	0-2	9.0-15	---	6.1-7.3
	2-17	9.0-16	---	6.1-7.3
	17-26	9.0-16	---	6.1-7.3
	26-60	0.0-10	---	6.1-7.3
Jobsis	0-5	---	2-6	4.5-5.5
	5-9	---	1-4	4.5-5.5
	9-17	---	0-3	4.5-5.5
	17-20	---	0-2	4.5-5.5
	20-30	---	---	---
Temo	0-10	---	1-3	5.1-6.5
	10-16	---	0-2	5.1-6.0
	16-26	---	---	---
7521:				
Tallac, very stony	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Tallac, rubbly	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Tallac, moderately well drained	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Meeks, extremely bouldery	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7522:				
Tallac, very stony	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	2-5	5.1-5.5
Meeks, extremely bouldery	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Dagget, moist	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Rockbound very gravelly loam	0-6	3.2-12	---	5.5-6.5
	6-8	3.1-11	---	5.5-6.5
	8-20	---	---	---
7523:				
Tallac, very stony	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Meeks, extremely bouldery	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7523:				
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Dagget, moist	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Rockbound very stony loam	0-2	---	1-6	5.1-6.0
	2-5	---	0-4	5.1-6.0
	5-17	4.0-12	---	5.1-6.0
	17-27	---	---	---
7524:				
Tallac, moderately well drained	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Tallac, moderately well drained, 5 to 9 percent slopes	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Meeks, very stony	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Callat	0	---	---	---
	0-9	6.7-27	---	5.1-6.5
	9-15	5.0-20	---	5.1-6.5
	15-24	1.8-9.9	---	5.1-6.5
	24-41	0.4-9.3	---	5.1-6.5
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7525:				
Tallac, moderately well drained	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Tallac, moderately well drained, 0 to 5 percent slopes	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Meeks, extremely bouldery	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Callat	0	---	---	---
	0-9	6.7-27	---	5.1-6.5
	9-15	5.0-20	---	5.1-6.5
	15-24	1.8-9.9	---	5.1-6.5
	24-41	0.4-9.3	---	5.1-6.5
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
7526:				
Tallac, rubbly	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Tallac, moderately well drained	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Tallac, very stony	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7531:				
Toem	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Rock outcrop, granitic.				
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
7532:				
Toem	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Rock outcrop, granitic.				
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5
Dagget very gravelly loamy coarse sand	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
7533:				
Toem	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Rock outcrop, granitic.				
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Cassenai gravelly loamy coarse sand	0-1	---	---	---
	1-6	0.0-5.2	---	5.6-6.5
	6-43	0.0-4.8	---	5.6-6.5
	43-79	0.0-4.2	---	5.6-6.5

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
7541:				
Ubaj	0	---	---	---
	0-7	5.5-11	---	5.1-6.0
	7-17	5.4-11	---	5.1-6.0
	17-28	11-16	---	5.1-6.0
	28-42	14-21	---	5.1-6.0
	42-49	20-26	---	5.1-6.0
	49-120	20-26	---	6.0-7.0
Christopher loamy coarse sand	0-1	---	---	---
	1-8	0.0-4.8	---	5.1-6.0
	8-26	0.0-4.2	---	5.1-6.0
	26-42	0.9-4.2	---	5.1-6.0
	42-61	0.9-4.2	---	5.1-6.0
Jabu	0-1	---	---	---
	1-7	4.0-8.7	---	5.1-6.5
	7-21	6.3-11	---	5.1-6.5
	21-46	6.9-13	---	5.1-6.5
	46-67	2.7-8.6	---	5.1-6.5
	67-73	1.9-15	---	5.1-6.5
	73-101	1.9-12	---	5.1-6.5
Oneidas	0-1	---	---	5.1-6.5
	1-9	2.2-15	---	5.1-6.5
	9-12	3.8-9.5	---	5.1-6.5
	12-65	3.6-9.5	---	5.1-6.5
	65-79	1.1-8.0	---	6.1-7.0
Gefo gravelly loamy coarse sand	0-15	2.2-7.2	---	5.1-6.5
	15-75	1.2-5.0	---	5.1-6.5
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
9001:				
Bidart mucky silt loam	0-3	---	---	4.5-6.0
	3-9	---	1-10	4.5-6.0
	9-16	---	0-9	4.5-6.0
	16-17	---	0-2	4.5-6.0
	17-39	---	1-9	4.5-6.0
	39-59	---	0-9	4.5-6.0
Bidart, wet	0-3	---	---	4.5-6.0
	3-9	---	1-10	4.5-6.0
	9-16	---	0-9	4.5-6.0
	16-17	---	0-2	4.5-6.0
	17-39	---	1-9	4.5-6.0
	39-59	---	0-9	4.5-6.0
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9001:				
Tahoe silt loam	0-3	---	---	5.1-7.3
	3-11	28-47	10-20	5.1-7.3
	11-15	28-47	---	5.1-7.3
	15-20	0.0-3.3	---	5.1-7.3
	20-30	5.2-23	---	5.1-7.3
	30-49	0.0-13	---	5.1-7.3
	49-59	0.0-7.4	---	5.1-7.3
Watah	0-3	---	---	---
	3-8	---	---	---
	8-15	20-42	---	5.1-6.0
	15-63	---	0-5	5.1-6.0
Water.				
Hellhole	0-11	---	36-76	5.1-6.0
	11-59	---	36-76	5.1-6.0
	59-118	---	36-76	5.1-6.0
9011:				
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
Aquic Xerorthents	0	---	---	---
	0-1	---	---	5.0-6.5
	1-4	0.0-30	---	5.0-6.5
	4-9	0.0-17	---	5.0-6.5
	9-14	0.0-16	---	5.0-6.5
	14-29	0.0-16	---	5.0-6.5
	29-41	0.0-15	---	5.0-6.5
	41-45	0.0-11	---	5.0-6.5
	45-59	0.0-25	---	5.0-7.3
Tahoe, gravelly	0-10	25-47	10-20	5.1-7.3
	10-27	7.8-22	---	5.1-7.3
	27-32	0.0-11	---	5.1-7.3
	32-46	0.0-7.5	---	5.1-7.3
Bidart mucky silt loam	0-3	---	---	4.5-6.0
	3-9	---	1-10	4.5-6.0
	9-16	---	0-9	4.5-6.0
	16-17	---	0-2	4.5-6.0
	17-39	---	1-9	4.5-6.0
	39-59	---	0-9	4.5-6.0
Watah	0-3	---	---	---
	3-8	---	---	---
	8-15	20-42	---	5.1-6.0
	15-63	---	0-5	5.1-6.0

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9011:				
Marla	0-3	---	---	---
	3-14	2.0-7.3	---	5.1-6.5
	14-47	1.7-5.5	---	5.6-6.5
	47-59	9.4-18	---	5.6-6.5
	59-68	0.0-12	---	6.1-7.3
Riverwash.				
9101:				
Callat	0	---	---	---
	0-9	6.7-27	---	5.1-6.5
	9-15	5.0-20	---	5.1-6.5
	15-24	1.8-9.9	---	5.1-6.5
	24-41	0.4-9.3	---	5.1-6.5
Glenalpine	0-11	11-28	---	6.6-7.3
	11-40	6.6-22	---	6.6-7.3
	40-50	3.4-13	---	6.6-7.3
	50-59	0.4-9.3	---	5.1-6.5
Meeks, extremely bouldery	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0
Tallac, very stony	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Rock outcrop.				
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
9102:				
Callat	0	---	---	---
	0-9	6.7-27	---	5.1-6.5
	9-15	5.0-20	---	5.1-6.5
	15-24	1.8-9.9	---	5.1-6.5
	24-41	0.4-9.3	---	5.1-6.5
Glenalpine	0-11	11-28	---	6.6-7.3
	11-40	6.6-22	---	6.6-7.3
	40-50	3.4-13	---	6.6-7.3
	50-59	0.4-9.3	---	5.1-6.5
Meeks, extremely bouldery	0-2	---	---	---
	2-13	0.0-9.7	---	5.6-6.5
	13-63	0.0-8.5	---	5.6-6.5
	63-73	0.0-8.1	---	5.1-6.0

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9102:				
Tallac, very stony	0-1	---	---	---
	1-22	3.3-9.2	---	5.6-6.0
	22-32	2.8-7.8	---	5.6-6.0
	32-43	2.6-7.1	---	5.6-6.0
	43-66	---	0-7	5.1-5.5
Rock outcrop.				
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
9111:				
Florand	0-1	20-40	---	5.1-6.0
	1-4	---	---	4.5-6.0
	4-12	---	---	4.5-6.0
	12-18	---	---	4.5-6.0
	18-28	7.0-13	---	5.1-6.0
	28-38	7.0-13	---	5.1-6.0
	38-47	6.0-12	---	5.1-6.0
	47-57	---	---	---
Lostridge	0-3	---	---	4.5-5.5
	3-11	---	---	4.5-5.5
	11-23	---	---	4.5-5.5
	23-29	---	---	4.5-5.5
	29-39	---	---	---
Fishsnooze	0-1	---	7-19	4.5-5.5
	1-9	---	---	4.5-5.5
	9-13	---	---	4.5-5.5
	13-35	---	---	4.5-5.5
	35-45	---	---	---
Aquic Haplocryolls	0-12	18-26	---	5.6-6.5
	12-30	15-22	---	5.6-6.5
	30-39	9.0-16	---	5.6-6.5
	39-60	0.0-10	---	5.6-6.5
Lithnip, moist	0-1	9.0-16	---	6.1-7.3
	1-5	9.0-16	---	6.1-7.3
	5-15	---	---	---
Stumpatil	0-6	9.0-19	---	5.1-6.0
	6-11	5.0-15	---	5.1-6.0
	11-26	5.0-15	---	5.1-6.0
	26-33	5.0-15	---	5.1-6.0
	33-60	5.0-15	---	5.1-6.0
Lithnip	0-1	9.0-16	---	6.1-7.3
	1-5	9.0-16	---	6.1-7.3
	5-15	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9111:				
Morscour	0-2	9.0-19	---	5.6-7.3
	2-7	9.0-19	---	5.6-7.3
	7-14	---	---	---
	14-24	---	---	---
Typic Cryaquolls	0-18	9.0-16	---	5.6-6.5
	18-60	1.0-5.0	---	5.6-6.5
9121:				
Watsonlake	0-2	---	---	---
	2-8	13-33	---	5.6-6.5
	8-18	7.9-28	---	5.6-6.5
	18-27	11-19	---	5.6-6.5
	27-35	11-19	---	5.6-6.5
	35-52	8.6-18	---	5.1-6.5
	52-67	8.6-17	---	5.1-6.5
	67-77	---	---	---
Jorge very cobbly fine sandy loam	0-2	---	---	---
	2-9	15-40	---	6.1-7.3
	9-28	8.0-20	---	5.6-7.3
	28-34	8.0-15	---	5.1-6.5
	34-59	8.0-20	---	5.6-6.5
Sky	0-1	---	---	---
	1-2	---	---	---
	2-3	25-50	3-10	4.5-6.0
	3-5	20-30	2-8	5.1-6.0
	5-24	20-30	2-4	5.1-6.0
	24-34	---	---	---
Tahoma	0-3	---	---	---
	3-14	14-32	---	5.6-6.5
	14-22	8.3-25	---	5.1-6.0
	22-38	---	2-10	4.5-6.0
	38-59	---	5-15	4.5-6.0
	59-71	---	5-15	4.5-6.0
	71-81	---	---	---
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9121:				
Rock outcrop.				
9122:				
Watsonlake	0-2	---	---	---
	2-8	13-33	---	5.6-6.5
	8-18	7.9-28	---	5.6-6.5
	18-27	11-19	---	5.6-6.5
	27-35	11-19	---	5.6-6.5
	35-52	8.6-18	---	5.1-6.5
	52-67	8.6-17	---	5.1-6.5
	67-77	---	---	---
Jorge very cobbly fine sandy loam	0-2	---	---	---
	2-9	15-40	---	6.1-7.3
	9-28	8.0-20	---	5.6-7.3
	28-34	8.0-15	---	5.1-6.5
	34-59	8.0-20	---	5.6-6.5
Tahoma	0-3	---	---	---
	3-14	14-32	---	5.6-6.5
	14-22	8.3-25	---	5.1-6.0
	22-38	---	2-10	4.5-6.0
	38-59	---	5-15	4.5-6.0
	59-71	---	5-15	4.5-6.0
	71-81	---	---	---
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Sky	0-1	---	---	---
	1-2	---	---	---
	2-3	25-50	3-10	4.5-6.0
	3-5	20-30	2-8	5.1-6.0
	5-24	20-30	2-4	5.1-6.0
	24-34	---	---	---
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
Rock outcrop.				

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9123:				
Watsonlake	0-2	---	---	---
	2-8	13-33	---	5.6-6.5
	8-18	7.9-28	---	5.6-6.5
	18-27	11-19	---	5.6-6.5
	27-35	11-19	---	5.6-6.5
	35-52	8.6-18	---	5.1-6.5
	52-67	8.6-17	---	5.1-6.5
	67-77	---	---	---
Jorge very cobbly fine sandy loam	0-2	---	---	---
	2-9	15-40	---	6.1-7.3
	9-28	8.0-20	---	5.6-7.3
	28-34	8.0-15	---	5.1-6.5
	34-59	8.0-20	---	5.6-6.5
Tahoma	0-3	---	---	---
	3-14	14-32	---	5.6-6.5
	14-22	8.3-25	---	5.1-6.0
	22-38	---	2-10	4.5-6.0
	38-59	---	5-15	4.5-6.0
	59-71	---	5-15	4.5-6.0
	71-81	---	---	---
Waca	0-2	---	---	---
	2-11	24-55	---	5.6-6.5
	11-16	4.6-43	---	5.6-6.5
	16-23	4.6-34	---	5.6-6.5
	23-38	2.8-20	---	5.6-6.5
	38-48	---	---	---
Sky	0-1	---	---	---
	1-2	---	---	---
	2-3	25-50	3-10	4.5-6.0
	3-5	20-30	2-8	5.1-6.0
	5-24	20-30	2-4	5.1-6.0
	24-34	---	---	---
Ellispeak	0-2	15-25	---	5.6-6.5
	2-6	15-25	---	5.6-6.5
	6-12	15-25	---	5.6-6.5
	12-22	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
Rock outcrop.				
9131:				
Lithnip	0-2	9.0-16	---	6.1-7.3
	2-5	9.0-16	---	6.1-7.3
	5-15	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9131:				
Meiss	0-6	---	---	5.0-6.0
	6-13	---	---	5.0-6.0
	13-23	---	---	---
Hawkinspeak	0-3	10-24	---	6.1-7.3
	3-9	10-24	---	6.1-7.3
	9-33	17-27	---	6.1-7.3
	33-43	---	---	---
Lostridge	0-3	---	---	4.5-5.5
	3-11	---	---	4.5-5.5
	11-23	---	---	4.5-5.5
	23-29	---	---	4.5-5.5
	29-39	---	---	---
Fishsnooze	0-1	---	---	4.5-5.5
	1-9	---	---	4.5-5.5
	9-13	---	---	4.5-5.5
	13-35	---	---	4.5-5.5
	35-45	---	---	---
Rock outcrop.				
Hawkinspeak, moist	0-3	10-24	---	6.1-7.3
	3-9	10-24	---	6.1-7.3
	9-33	17-27	---	6.1-7.3
	33-43	---	---	---
Aspocket	0-13	13-25	---	6.1-7.3
	13-38	15-25	---	6.1-7.3
	38-54	21-30	---	6.1-7.3
	54-64	---	---	---
Hawkridge	0-1	14-22	---	6.1-7.3
	1-7	14-22	---	6.1-7.3
	7-14	17-27	---	6.1-7.3
	14-24	---	---	---
Typic Cryaquolls	0-18	9.0-16	---	5.6-6.5
	18-60	1.0-5.0	---	5.6-6.5
9141:				
Melody	0-1	---	---	---
	1-2	20-35	---	5.1-6.0
	2-9	15-30	---	5.1-6.0
	9-15	12-25	---	5.1-6.0
	15-25	---	---	---
Rock outcrop, volcanic.				
Sky	0-1	---	---	---
	1-2	---	---	---
	2-3	25-50	3-10	4.5-6.0
	3-5	20-30	2-8	5.1-6.0
	5-24	20-30	2-4	5.1-6.0
	24-34	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9141:				
Mountrose	0-4	8.6-34	---	5.6-6.8
	4-15	5.7-26	---	5.6-6.8
	15-29	4.2-18	---	5.6-6.8
	29-59	4.2-18	---	5.6-6.8
Wardcreek	0-4	---	5-15	5.1-6.5
	4-12	---	2-12	5.1-6.5
	12-18	---	2-12	5.1-6.5
	18-25	---	2-10	5.1-6.5
	25-35	---	---	---
Lithnip	0-2	9.0-16	---	6.1-7.3
	2-5	9.0-16	---	6.1-7.3
	5-15	---	---	---
Meiss	0-6	---	10-25	5.0-6.0
	6-13	---	5-15	5.0-6.0
	13-23	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
9142:				
Melody	0-1	---	---	---
	1-2	20-35	---	5.1-6.0
	2-9	15-30	---	5.1-6.0
	9-15	12-25	---	5.1-6.0
	15-25	---	---	---
Rock outcrop, volcanic.				
Sky	0-1	---	---	---
	1-2	---	---	---
	2-3	25-50	3-10	4.5-6.0
	3-5	20-30	2-8	5.1-6.0
	5-24	20-30	2-4	5.1-6.0
	24-34	---	---	---
Mountrose	0-4	8.6-34	---	5.6-6.8
	4-15	5.7-26	---	5.6-6.8
	15-29	4.2-18	---	5.6-6.8
	29-59	4.2-18	---	5.6-6.8
Wardcreek	0-4	---	5-15	5.1-6.5
	4-12	---	2-12	5.1-6.5
	12-18	---	2-12	5.1-6.5
	18-25	---	2-10	5.1-6.5
	25-35	---	---	---
Lithnip	0-2	9.0-16	---	6.1-7.3
	2-5	9.0-16	---	6.1-7.3
	5-15	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9142:				
Meiss	0-6	---	10-25	5.0-6.0
	6-13	---	5-15	5.0-6.0
	13-23	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
9143:				
Melody	0-1	---	---	---
	1-2	20-35	---	5.1-6.0
	2-9	15-30	---	5.1-6.0
	9-15	12-25	---	5.1-6.0
	15-25	---	---	---
Rock outcrop, volcanic.				
Sky	0-1	---	---	---
	1-2	---	---	---
	2-3	25-50	3-10	4.5-6.0
	3-5	20-30	2-8	5.1-6.0
	5-24	20-30	2-4	5.1-6.0
	24-34	---	---	---
Mountrose	0-4	8.6-34	---	5.6-6.8
	4-15	5.7-26	---	5.6-6.8
	15-29	4.2-18	---	5.6-6.8
	29-59	4.2-18	---	5.6-6.8
Wardcreek	0-4	---	5-15	5.1-6.5
	4-12	---	2-12	5.1-6.5
	12-18	---	2-12	5.1-6.5
	18-25	---	2-10	5.1-6.5
	25-35	---	---	---
Lithnip	0-2	9.0-16	---	6.1-7.3
	2-5	9.0-16	---	6.1-7.3
	5-15	---	---	---
Meiss	0-6	---	10-25	5.0-6.0
	6-13	---	5-15	5.0-6.0
	13-23	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9151:				
Shakespeare	0-1	---	---	---
	1-2	11-24	---	5.1-6.5
	2-5	11-24	---	5.1-6.5
	5-34	20-28	---	5.1-6.5
	34-61	19-31	---	5.1-6.5
Deerhill	0-1	---	---	---
	1-9	4.1-9.6	---	5.6-7.0
	1-9	4.1-9.6	---	5.6-7.0
	9-35	6.4-12	---	5.6-7.0
	35-51	12-22	---	5.6-6.5
	51-65	12-22	---	5.6-6.5
Mountrose	0-4	8.6-34	---	5.6-6.8
	4-15	5.7-26	---	5.6-6.8
	15-29	4.2-18	---	5.6-6.8
	29-59	4.2-18	---	5.6-6.8
Melody	0-1	---	---	---
	1-2	20-35	---	5.1-6.0
	2-9	15-30	---	5.1-6.0
	9-15	12-25	---	5.1-6.0
	15-25	---	---	---
Wardcreek	0-4	---	5-15	5.1-6.5
	4-12	---	2-12	5.1-6.5
	12-18	---	2-12	5.1-6.5
	18-25	---	2-10	5.1-6.5
	25-35	---	---	---
Dagget very gravelly loamy coarse sand	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
Temo	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---
Witefels	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9152:				
Shakespeare	0-1	---	---	---
	1-2	11-24	---	5.1-6.5
	2-5	11-24	---	5.1-6.5
	5-34	20-28	---	5.1-6.5
	34-61	19-31	---	5.1-6.5
Deerhill	0-1	---	---	---
	1-9	4.1-9.6	---	5.6-7.0
	1-9	4.1-9.6	---	5.6-7.0
	9-35	6.4-12	---	5.6-7.0
	35-51	12-22	---	5.6-6.5
	51-65	12-22	---	5.6-6.5
Mountrose	0-4	8.6-34	---	5.6-6.8
	4-15	5.7-26	---	5.6-6.8
	15-29	4.2-18	---	5.6-6.8
	29-59	4.2-18	---	5.6-6.8
Melody	0-1	---	---	---
	1-2	20-35	---	5.1-6.0
	2-9	15-30	---	5.1-6.0
	9-15	12-25	---	5.1-6.0
	15-25	---	---	---
Wardcreek	0-4	---	5-15	5.1-6.5
	4-12	---	2-12	5.1-6.5
	12-18	---	2-12	5.1-6.5
	18-25	---	2-10	5.1-6.5
	25-35	---	---	---
Dagget very gravelly loamy coarse sand	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
Temo	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---
Witefels	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9161:				
Sky	0-1	---	---	---
	1-2	---	---	---
	2-3	25-50	3-10	4.5-6.0
	3-5	20-30	2-8	5.1-6.0
	5-24	20-30	2-4	5.1-6.0
	24-34	---	---	---
Melody	0-1	---	---	---
	1-2	20-35	---	5.1-6.0
	2-9	15-30	---	5.1-6.0
	9-15	12-25	---	5.1-6.0
	15-25	---	---	---
Mountrose	0-4	8.6-34	---	5.6-6.8
	4-15	5.7-26	---	5.6-6.8
	15-29	4.2-18	---	5.6-6.8
	29-59	4.2-18	---	5.6-6.8
Wardcreek	0-4	---	5-15	5.1-6.5
	4-12	---	2-12	5.1-6.5
	12-18	---	2-12	5.1-6.5
	18-25	---	2-10	5.1-6.5
	25-35	---	---	---
Lithnip	0-2	9.0-16	---	6.1-7.3
	2-5	9.0-16	---	6.1-7.3
	5-15	---	---	---
Meiss	0-6	---	10-25	5.0-6.0
	6-13	---	5-15	5.0-6.0
	13-23	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
9162:				
Sky	0-1	---	---	---
	1-2	---	---	---
	2-3	25-50	3-10	4.5-6.0
	3-5	20-30	2-8	5.1-6.0
	5-24	20-30	2-4	5.1-6.0
	24-34	---	---	---
Melody	0-1	---	---	---
	1-2	20-35	---	5.1-6.0
	2-9	15-30	---	5.1-6.0
	9-15	12-25	---	5.1-6.0
	15-25	---	---	---
Mountrose	0-4	8.6-34	---	5.6-6.8
	4-15	5.7-26	---	5.6-6.8
	15-29	4.2-18	---	5.6-6.8
	29-59	4.2-18	---	5.6-6.8

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9162:				
Wardcreek	0-4	---	5-15	5.1-6.5
	4-12	---	2-12	5.1-6.5
	12-18	---	2-12	5.1-6.5
	18-25	---	2-10	5.1-6.5
	25-35	---	---	---
Lithnip	0-2	9.0-16	---	6.1-7.3
	2-5	9.0-16	---	6.1-7.3
	5-15	---	---	---
Meiss	0-6	---	10-25	5.0-6.0
	6-13	---	5-15	5.0-6.0
	13-23	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
9163:				
Sky	0-1	---	---	---
	1-2	---	---	---
	2-3	25-50	3-10	4.5-6.0
	3-5	20-30	2-8	5.1-6.0
	5-24	20-30	2-4	5.1-6.0
	24-34	---	---	---
Melody	0-1	---	---	---
	1-2	20-35	---	5.1-6.0
	2-9	15-30	---	5.1-6.0
	9-15	12-25	---	5.1-6.0
	15-25	---	---	---
Mountrose	0-4	8.6-34	---	5.6-6.8
	4-15	5.7-26	---	5.6-6.8
	15-29	4.2-18	---	5.6-6.8
	29-59	4.2-18	---	5.6-6.8
Wardcreek	0-4	---	5-15	5.1-6.5
	4-12	---	2-12	5.1-6.5
	12-18	---	2-12	5.1-6.5
	18-25	---	2-10	5.1-6.5
	25-35	---	---	---
Lithnip	0-2	9.0-16	---	6.1-7.3
	2-5	9.0-16	---	6.1-7.3
	5-15	---	---	---
Meiss	0-6	---	10-25	5.0-6.0
	6-13	---	5-15	5.0-6.0
	13-23	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9163:				
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
9164:				
Sky	0-1	---	---	---
	1-2	---	---	---
	2-3	25-50	3-10	4.5-6.0
	3-5	20-30	2-8	5.1-6.0
	5-24	20-30	2-4	5.1-6.0
	24-34	---	---	---
Melody	0-1	---	---	---
	1-2	20-35	---	5.1-6.0
	2-9	15-30	---	5.1-6.0
	9-15	12-25	---	5.1-6.0
	15-25	---	---	---
Mountrose	0-4	8.6-34	---	5.6-6.8
	4-15	5.7-26	---	5.6-6.8
	15-29	4.2-18	---	5.6-6.8
	29-59	4.2-18	---	5.6-6.8
Wardcreek	0-4	---	5-15	5.1-6.5
	4-12	---	2-12	5.1-6.5
	12-18	---	2-12	5.1-6.5
	18-25	---	2-10	5.1-6.5
	25-35	---	---	---
Lithnip	0-2	9.0-16	---	6.1-7.3
	2-5	9.0-16	---	6.1-7.3
	5-15	---	---	---
Meiss	0-6	---	10-25	5.0-6.0
	6-13	---	5-15	5.0-6.0
	13-23	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
9165:				
Sky	0-1	---	---	---
	1-2	---	---	---
	2-3	25-50	3-10	4.5-6.0
	3-5	20-30	2-8	5.1-6.0
	5-24	20-30	2-4	5.1-6.0
	24-34	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9165:				
Melody	0-1	---	---	---
	1-2	20-35	---	5.1-6.0
	2-9	15-30	---	5.1-6.0
	9-15	12-25	---	5.1-6.0
	15-25	---	---	---
Mountrose	0-4	8.6-34	---	5.6-6.8
	4-15	5.7-26	---	5.6-6.8
	15-29	4.2-18	---	5.6-6.8
	29-59	4.2-18	---	5.6-6.8
Wardcreek	0-4	---	5-15	5.1-6.5
	4-12	---	2-12	5.1-6.5
	12-18	---	2-12	5.1-6.5
	18-25	---	2-10	5.1-6.5
	25-35	---	---	---
Lithnip	0-2	9.0-16	---	6.1-7.3
	2-5	9.0-16	---	6.1-7.3
	5-15	---	---	---
Meiss	0-6	---	10-25	5.0-6.0
	6-13	---	5-15	5.0-6.0
	13-23	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
9166:				
Sky	0-1	---	---	---
	1-2	---	---	---
	2-3	25-50	3-10	4.5-6.0
	3-5	20-30	2-8	5.1-6.0
	5-24	20-30	2-4	5.1-6.0
	24-34	---	---	---
Melody	0-1	---	---	---
	1-2	20-35	---	5.1-6.0
	2-9	15-30	---	5.1-6.0
	9-15	12-25	---	5.1-6.0
	15-25	---	---	---
Mountrose	0-4	8.6-34	---	5.6-6.8
	4-15	5.7-26	---	5.6-6.8
	15-29	4.2-18	---	5.6-6.8
	29-59	4.2-18	---	5.6-6.8
Wardcreek	0-4	---	5-15	5.1-6.5
	4-12	---	2-12	5.1-6.5
	12-18	---	2-12	5.1-6.5
	18-25	---	2-10	5.1-6.5
	25-35	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9166:				
Lithnip	0-2	9.0-16	---	6.1-7.3
	2-5	9.0-16	---	6.1-7.3
	5-15	---	---	---
Meiss	0-6	---	10-25	5.0-6.0
	6-13	---	5-15	5.0-6.0
	13-23	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
9171:				
Mountrose	0-4	8.6-34	---	5.6-6.8
	4-15	5.7-26	---	5.6-6.8
	15-29	4.2-18	---	5.6-6.8
	29-59	4.2-18	---	5.6-6.8
Wardcreek	0-4	---	5-15	5.1-6.5
	4-12	---	2-12	5.1-6.5
	12-18	---	2-12	5.1-6.5
	18-25	---	2-10	5.1-6.5
	25-35	---	---	---
Melody	0-1	---	---	---
	1-2	20-35	---	5.1-6.0
	2-9	15-30	---	5.1-6.0
	9-15	12-25	---	5.1-6.0
	15-25	---	---	---
Meiss	0-6	---	10-25	5.0-6.0
	6-13	---	5-15	5.0-6.0
	13-23	---	---	---
Rock outcrop.				
Rubble land.				
Sky	0-1	---	---	---
	1-2	---	---	---
	2-3	25-50	3-10	4.5-6.0
	3-5	20-30	2-8	5.1-6.0
	5-24	20-30	2-4	5.1-6.0
	24-34	---	---	---
9401:				
Dagget very gravelly loamy coarse sand	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Temo	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9401:				
Witefels	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---
Jobsis	0-1	2.0-10	---	4.5-5.5
	1-5	0.0-10	---	4.5-5.5
	5-9	0.0-10	---	4.5-5.5
	9-12	0.0-10	---	4.5-5.5
	12-17	0.0-10	---	4.5-5.5
	17-20	0.0-10	---	4.5-5.5
	20-30	---	---	---
Rock outcrop.				
Whittell	0	---	---	---
	0-7	---	0-3	5.1-6.5
	7-20	---	0-2	5.1-6.5
	20-32	---	0-4	5.1-6.5
	32-42	---	---	5.1-6.5
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Cassenai, moist	0-3	---	---	---
	3-11	0.0-5.9	---	5.6-7.0
	11-20	0.0-5.3	---	5.6-7.0
	20-63	0.0-4.2	---	5.6-7.0
Toem	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
9402:				
Dagget very gravelly loamy coarse sand	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Temo	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9402:				
Witefels	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---
Jobsis	0-1	2.0-10	---	4.5-5.5
	1-5	0.0-10	---	4.5-5.5
	5-9	0.0-10	---	4.5-5.5
	9-12	0.0-10	---	4.5-5.5
	12-17	0.0-10	---	4.5-5.5
	17-20	0.0-10	---	4.5-5.5
	20-30	---	---	---
Rock outcrop.				
Whittell	0	---	---	---
	0-7	---	0-3	5.1-6.5
	7-20	---	0-2	5.1-6.5
	20-32	---	0-4	5.1-6.5
	32-42	---	---	5.1-6.5
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Cassenai, moist	0-3	---	---	---
	3-11	0.0-5.9	---	5.6-7.0
	11-20	0.0-5.3	---	5.6-7.0
	20-63	0.0-4.2	---	5.6-7.0
Toem	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
9403:				
Dagget very gravelly loamy coarse sand	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Temo	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9403:				
Witefels	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---
Jobsis	0-1	2.0-10	---	4.5-5.5
	1-5	0.0-10	---	4.5-5.5
	5-9	0.0-10	---	4.5-5.5
	9-12	0.0-10	---	4.5-5.5
	12-17	0.0-10	---	4.5-5.5
	17-20	0.0-10	---	4.5-5.5
	20-30	---	---	---
Rock outcrop.				
Whittell	0	---	---	---
	0-7	---	0-3	5.1-6.5
	7-20	---	0-2	5.1-6.5
	20-32	---	0-4	5.1-6.5
	32-42	---	---	5.1-6.5
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Cassenai, moist	0-3	---	---	---
	3-11	0.0-5.9	---	5.6-7.0
	11-20	0.0-5.3	---	5.6-7.0
	20-63	0.0-4.2	---	5.6-7.0
Toem	0-1	---	---	---
	1-10	0.0-4.9	---	5.6-6.5
	10-18	0.0-4.2	---	5.6-6.5
	18-32	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
9404:				
Dagget, moist	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Cassenai, moist	0-3	---	---	---
	3-11	0.0-5.9	---	5.6-7.0
	11-20	0.0-5.3	---	5.6-7.0
	20-63	0.0-4.2	---	5.6-7.0

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9404:				
Rockbound very gravelly loam	0-6	3.2-12	---	5.5-6.5
	6-8	3.1-11	---	5.5-6.5
	8-20	---	---	---
Jobsis	0-1	2.0-10	---	4.5-5.5
	1-5	0.0-10	---	4.5-5.5
	5-9	0.0-10	---	4.5-5.5
	9-12	0.0-10	---	4.5-5.5
	12-17	0.0-10	---	4.5-5.5
	17-20	0.0-10	---	4.5-5.5
	20-30	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
Temo	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---
Whittell	0	---	---	---
	0-7	---	0-3	5.1-6.5
	7-20	---	0-2	5.1-6.5
	20-32	---	0-4	5.1-6.5
	32-42	---	---	5.1-6.5
Witefels	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---
9405:				
Dagget, moist	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Cassenai, moist	0-3	---	---	---
	3-11	0.0-5.9	---	5.6-7.0
	11-20	0.0-5.3	---	5.6-7.0
	20-63	0.0-4.2	---	5.6-7.0
Rockbound very gravelly loam	0-6	3.2-12	---	5.5-6.5
	6-8	3.1-11	---	5.5-6.5
	8-20	---	---	---
Jobsis	0-1	2.0-10	---	4.5-5.5
	1-5	0.0-10	---	4.5-5.5
	5-9	0.0-10	---	4.5-5.5
	9-12	0.0-10	---	4.5-5.5
	12-17	0.0-10	---	4.5-5.5
	17-20	0.0-10	---	4.5-5.5
	20-30	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9405:				
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
Temo	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---
Whittell	0	---	---	---
	0-7	---	0-3	5.1-6.5
	7-20	---	0-2	5.1-6.5
	20-32	---	0-4	5.1-6.5
	32-42	---	---	5.1-6.5
Witefels	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---
9406:				
Dagget, moist	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Cassenai, moist	0-3	---	---	---
	3-11	0.0-5.9	---	5.6-7.0
	11-20	0.0-5.3	---	5.6-7.0
	20-63	0.0-4.2	---	5.6-7.0
Rockbound very stony loam	0-2	---	1-6	5.1-6.0
	2-5	---	0-4	5.1-6.0
	5-17	4.0-12	---	5.1-6.0
	17-27	---	---	---
Jobsis	0-1	2.0-10	---	4.5-5.5
	1-5	0.0-10	---	4.5-5.5
	5-9	0.0-10	---	4.5-5.5
	9-12	0.0-10	---	4.5-5.5
	12-17	0.0-10	---	4.5-5.5
	17-20	0.0-10	---	4.5-5.5
	20-30	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9406:				
Temo	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---
Whittell	0	---	---	---
	0-7	---	0-3	5.1-6.5
	7-20	---	0-2	5.1-6.5
	20-32	---	0-4	5.1-6.5
	32-42	---	---	5.1-6.5
Witefels	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---
9407:				
Dagget, moist	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Rock outcrop, granitic.				
Temo	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---
Witefels	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---
Whittell	0	---	---	---
	0-7	---	0-3	5.1-6.5
	7-20	---	0-2	5.1-6.5
	20-32	---	0-4	5.1-6.5
	32-42	---	---	5.1-6.5
Cassenai, moist	0-3	---	---	---
	3-11	0.0-5.9	---	5.6-7.0
	11-20	0.0-5.3	---	5.6-7.0
	20-63	0.0-4.2	---	5.6-7.0
Jobsis	0-1	2.0-10	---	4.5-5.5
	1-5	0.0-10	---	4.5-5.5
	5-9	0.0-10	---	4.5-5.5
	9-12	0.0-10	---	4.5-5.5
	12-17	0.0-10	---	4.5-5.5
	17-20	0.0-10	---	4.5-5.5
	20-30	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9407:				
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
9411:				
Freelpeak	0-2	0.0-0.5	---	---
	2-4	0.0-1.9	---	5.1-6.0
	4-8	0.0-2.2	---	5.1-6.0
	8-36	0.0-2.9	---	5.1-6.0
	36-46	---	---	---
Windyridge	0-2	---	2-6	4.5-6.0
	2-10	---	0-3	4.5-6.0
	10-20	---	---	---
Rock outcrop.				
Jobsis	0-5	---	2-6	4.5-5.5
	5-9	---	1-4	4.5-5.5
	9-17	---	0-3	4.5-5.5
	17-20	---	0-2	4.5-5.5
	20-30	---	---	---
Whittell	0	---	---	---
	0-7	---	0-3	5.1-6.5
	7-20	---	0-2	5.1-6.5
	20-32	---	0-4	5.1-6.5
	32-42	---	---	5.1-6.5
Waterpeak	0-5	5.0-15	---	6.1-7.3
	5-18	5.0-15	---	6.1-7.3
	18-27	5.0-15	---	6.1-7.3
	27-60	10-16	---	6.1-7.3
Buggin	0-2	10-16	---	5.6-6.5
	2-7	6.0-12	---	5.6-6.5
	7-10	5.0-11	---	5.6-6.5
	10-16	---	---	---
	16-26	---	---	---
Glaciers.				
9421:				
Jobsis	0-5	---	2-6	4.5-5.5
	5-9	---	1-4	4.5-5.5
	9-17	---	0-3	4.5-5.5
	17-20	---	0-2	4.5-5.5
	20-30	---	---	---
Whittell	0	---	---	---
	0-7	---	0-3	5.1-6.5
	7-20	---	0-2	5.1-6.5
	20-32	---	0-4	5.1-6.5
	32-42	---	---	5.1-6.5

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9421:				
Rock outcrop.				
Typic Cryorthents, 8 to 30 percent slopes---	0-1	---	2-6	4.5-5.5
	1-5	---	2-6	4.5-5.5
	5-9	---	1-4	4.5-5.5
	9-12	---	0-3	4.5-5.5
	12-17	---	0-3	4.5-5.5
	17-40	---	0-3	4.5-5.5
	40-50	---	---	---
Windyridge----------	0-2	---	2-6	4.5-6.0
	2-10	---	0-3	4.5-6.0
	10-20	---	---	---
Klauspeak----------	0-5	5.0-20	---	5.1-6.0
	5-16	5.0-15	---	5.1-6.0
	16-22	5.0-20	---	5.1-6.0
	22-40	5.0-20	---	5.1-6.0
	40-60	5.0-20	---	5.1-6.0
Shalgran----------	0-3	2.0-10	---	5.1-6.5
	3-14	5.0-20	---	5.1-6.5
	14-24	---	---	---
Buggin----------	0-2	10-16	---	5.6-6.5
	2-7	6.0-12	---	5.6-6.5
	7-10	5.0-11	---	5.6-6.5
	10-16	---	---	---
	16-26	---	---	---
Typic Cryorthents, 4 to 30 percent slopes---	0-1	---	2-6	4.5-5.5
	1-5	---	2-6	4.5-5.5
	5-9	---	1-4	4.5-5.5
	9-12	---	0-3	4.5-5.5
	12-17	---	0-3	4.5-5.5
	17-20	---	0-3	4.5-5.5
	20-30	---	---	---
Waterpeak----------	0-5	5.0-15	---	6.1-7.3
	5-18	5.0-15	---	6.1-7.3
	18-27	5.0-15	---	6.1-7.3
	27-60	10-16	---	6.1-7.3
9431:				
Sofgran----------	0-3	---	2-6	4.5-5.5
	3-6	---	2-6	4.5-5.5
	6-9	---	1-4	4.5-5.5
	9-19	---	1-4	4.5-5.5
	19-27	---	1-4	4.5-5.5
	27-45	---	0-3	4.5-5.5
	45-60	---	0-3	4.5-5.5
Klauspeak----------	0-5	5.0-20	---	5.1-6.0
	5-16	5.0-15	---	5.1-6.0
	16-22	5.0-20	---	5.1-6.0
	22-40	5.0-20	---	5.1-6.0
	40-60	5.0-20	---	5.1-6.0

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9431:				
Temo	0-10	---	1-3	5.1-6.5
	10-16	---	0-2	5.1-6.0
	16-26	---	---	---
Rock outcrop.				
Shalgran	0-3	2.0-10	---	5.1-6.5
	3-14	5.0-20	---	5.1-6.5
	14-24	---	---	---
Xeric Humicryepts	0-5	5.0-20	---	5.1-6.0
	5-16	5.0-15	---	5.1-6.0
	16-22	5.0-20	---	5.1-6.0
	22-40	5.0-20	---	5.1-6.0
	40-63	5.0-20	---	5.1-6.0
Stumpatil	0-6	9.0-19	---	5.1-6.0
	6-11	5.0-15	---	5.1-6.0
	11-26	5.0-15	---	5.1-6.0
	26-33	5.0-15	---	5.1-6.0
	33-60	5.0-15	---	5.1-6.0
Aquic Haplocryolls	0-12	18-26	---	5.6-6.5
	12-30	15-22	---	5.6-6.5
	30-39	9.0-16	---	5.6-6.5
	39-60	0.0-10	---	5.6-6.5
Hopeval	0-2	13-26	---	5.6-6.5
	2-12	13-26	---	5.6-6.5
	12-15	11-20	---	5.6-6.5
	15-26	9.0-18	---	5.6-6.5
	26-33	6.0-12	---	5.6-6.5
	33-60	3.0-8.0	---	5.6-6.5
9441:				
Temo	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---
Witefels	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---
Rock outcrop.				
Dagget very gravelly loamy coarse sand	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9441:				
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
9442:				
Temo	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---
Witefels	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---
Rock outcrop.				
Dagget very gravelly loamy coarse sand	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Cagwin	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Oxyaquic Cryorthents	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
9443:				
Temo	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---
Witefels	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---
Rock outcrop.				

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9443:				
Dagget very gravelly loamy coarse sand------	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Cagwin----------	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Oxyaquic Cryorthents----------	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
9444:				
Temo----------	0-10	2.0-5.0	---	5.1-6.5
	10-16	1.4-4.5	---	5.1-6.5
	16-26	---	---	---
Witefels----------	0-1	---	---	---
	1-9	1.1-5.0	---	5.1-6.5
	9-14	1.0-4.7	---	5.1-6.5
	14-36	0.8-4.2	---	5.1-6.5
	36-39	---	---	---
Rock outcrop.				
Dagget very gravelly loamy coarse sand------	0-1	---	---	---
	1-9	1.1-5.0	---	5.6-6.5
	9-49	1.0-4.6	---	5.6-6.5
	49-59	---	---	---
Cagwin----------	0-1	---	---	---
	1-9	1.1-13	---	5.1-6.5
	9-13	1.0-10	---	5.1-6.5
	13-27	0.9-6.6	---	5.1-6.5
	27-37	---	---	---
Oxyaquic Cryorthents----------	0	---	---	---
	0-2	0.0-14	---	5.1-6.5
	2-5	0.0-14	---	5.1-6.5
	5-9	0.0-12	---	5.1-6.5
	9-20	0.0-11	---	5.1-6.5
	20-32	0.0-11	---	5.1-6.5
	32-52	0.0-10	---	5.1-6.5
	52-80	0.0-10	---	5.1-6.5
	80-112	0.0-10	---	5.1-6.5
9451:				
Waterpeak----------	0-5	5.0-15	---	6.1-7.3
	5-18	5.0-15	---	6.1-7.3
	18-27	5.0-15	---	6.1-7.3
	27-60	10-16	---	6.1-7.3

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9451:				
Rock outcrop.				
Shalgran	0-3	2.0-10	---	5.1-6.5
	3-14	5.0-20	---	5.1-6.5
	14-24	---	---	---
Typic Cryorthents	0-1	---	2-6	4.5-5.5
	1-5	---	2-6	4.5-5.5
	5-9	---	1-4	4.5-5.5
	9-12	---	0-3	4.5-5.5
	12-17	---	0-3	4.5-5.5
	17-40	---	0-3	4.5-5.5
	40-50	---	---	---
Pachic Haplocryolls	0-5	5.0-15	---	6.1-7.3
	5-18	5.0-15	---	6.1-7.3
	18-27	5.0-15	---	6.1-7.3
	27-60	10-16	---	6.1-7.3
9461:				
Whittell	0	---	---	---
	0-7	---	0-3	5.1-6.5
	7-20	---	0-2	5.1-6.5
	20-32	---	0-4	5.1-6.5
	32-42	---	---	5.1-6.5
Jobsis	0-5	---	2-6	4.5-5.5
	5-9	---	1-4	4.5-5.5
	9-17	---	0-3	4.5-5.5
	17-20	---	0-2	4.5-5.5
	20-30	---	---	---
Rock outcrop.				
Jobsis, 8 to 30 percent slopes	0-5	---	2-6	4.5-5.5
	5-9	---	1-4	4.5-5.5
	9-17	---	0-3	4.5-5.5
	17-20	---	0-2	4.5-5.5
	20-30	---	---	---
Windyridge	0-2	---	2-6	4.5-6.0
	2-10	---	0-3	4.5-6.0
	10-20	---	---	---
Klauspeak	0-5	5.0-20	---	5.1-6.0
	5-16	5.0-15	---	5.1-6.0
	16-22	5.0-20	---	5.1-6.0
	22-40	5.0-20	---	5.1-6.0
	40-60	5.0-20	---	5.1-6.0
Shalgran	0-3	2.0-10	---	5.1-6.5
	3-14	5.0-20	---	5.1-6.5
	14-24	---	---	---
Buggin	0-2	10-16	---	5.6-6.5
	2-7	6.0-12	---	5.6-6.5
	7-10	5.0-11	---	5.6-6.5
	10-16	---	---	---
	16-26	---	---	---

Table 23.--Chemical Properties of the Soils--Continued

Map symbol and component name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction
	In	meq/100g	meq/100g	pH
9461:				
Typic Cryorthents	0-1	---	2-6	4.5-5.5
	1-5	---	2-6	4.5-5.5
	5-9	---	1-4	4.5-5.5
	9-12	---	0-3	4.5-5.5
	12-17	---	0-3	4.5-5.5
	17-20	---	0-3	4.5-5.5
	20-30	---	---	---
Waterpeak	0-5	5.0-15	---	6.1-7.3
	5-18	5.0-15	---	6.1-7.3
	18-27	5.0-15	---	6.1-7.3
	27-60	10-16	---	6.1-7.3
W.				
Water				

Table 24.--Water Features

(See text for definitions of terms used in this table. Estimates of the frequency of ponding and flooding apply to the whole year rather than to individual months. Absence of an entry indicates that the feature is not a concern or that data were not estimated)

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
7011.									
Beaches									
7021:									
Hellhole	A/D								
		January	0.0-0.8	---	---	---	---	---	---
		February	0.0-0.8	---	---	---	---	---	---
		March	0.0-0.8	---	---	---	---	---	---
		April	0.0-0.8	---	---	Very long	Frequent	Brief	Rare
		May	0.0-0.8	---	---	Very long	Frequent	Brief	Rare
		June	0.0-0.8	---	---	Very long	Frequent	Brief	Rare
		July	0.0-0.8	---	---	Very long	Frequent	---	---
		August	0.0-0.8	---	---	Very long	Frequent	---	---
		September	0.0-0.8	---	---	Very long	Frequent	---	---
		October	0.0-0.8	---	---	Very long	Frequent	---	---
		November	0.0-0.8	---	---	Very long	Frequent	---	---
		December	0.0-0.8	---	---	---	---	---	---
7031:									
Pits.									
Dumps.									
7041:									
Tahoe silt loam	C/D								
		January	0.8-2.5	---	0.1-0.3	Brief	Occasional	Brief	Occasional
		February	0.8-2.5	---	0.1-0.3	Brief	Occasional	Brief	Occasional
		March	0.0-1.0	---	0.1-0.3	Long	Occasional	Long	Occasional
		April	0.0-1.0	---	0.1-0.3	Long	Occasional	Long	Occasional
		May	0.0-1.0	---	0.1-0.3	Long	Occasional	Long	Occasional
		June	0.8-2.5	---	---	---	---	---	---
		July	2.5-4.1	---	---	---	---	---	---
		August	2.5-4.1	---	---	---	---	---	---
		September	2.5-4.1	---	---	---	---	---	---
		October	0.8-2.5	---	---	---	---	---	---
		November	0.8-2.5	---	---	---	---	---	---
		December	0.8-2.5	---	---	---	---	---	---

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
7041:									
Tahoe silt loam, wet----------	A/D								
		January	0.8-2.5	---	0.0-1.0	Very long	Frequent	---	---
		February	0.8-2.5	---	0.0-1.0	Very long	Frequent	---	---
		March	0.0-0.8	---	0.0-1.0	Very long	Frequent	Very long	Frequent
		April	0.0-0.8	---	0.0-1.0	Very long	Frequent	Very long	Frequent
		May	0.0-0.8	---	0.0-1.0	Very long	Frequent	Very long	Frequent
		June	0.0-1.6	---	0.0-1.0	Very long	Frequent	Very long	Frequent
		July	0.8-2.5	---	0.0-1.0	Very long	Frequent	---	---
		August	1.6-3.3	---	0.0-1.0	Very long	Frequent	---	---
		September	1.6-3.3	---	---	---	---	---	---
		October	1.6-3.3	---	---	---	---	---	---
		November	0.8-3.3	---	0.0-1.0	Very long	Frequent	---	---
		December	0.8-3.3	---	0.0-1.0	Very long	Frequent	---	---
7042:									
Tahoe, gravelly----------	A/D								
		January	0.8-2.5	---	0.1-0.3	Brief	Occasional	Brief	Occasional
		February	0.8-2.5	---	0.1-0.3	Brief	Occasional	Brief	Occasional
		March	0.0-1.0	---	0.1-0.3	Long	Occasional	Long	Occasional
		April	0.0-1.0	---	0.1-0.3	Long	Occasional	Long	Occasional
		May	0.0-1.0	---	0.1-0.3	Long	Occasional	Long	Occasional
		June	0.8-2.5	---	---	---	---	---	---
		July	2.5-4.1	---	---	---	---	---	---
		August	2.5-4.1	---	---	---	---	---	---
		September	2.5-4.1	---	---	---	---	---	---
		October	0.8-2.5	---	---	---	---	---	---
		November	0.8-2.5	---	---	---	---	---	---
		December	0.8-2.5	---	---	---	---	---	---
Tahoe, gravelly, wet----------	A/D								
		January	0.8-2.5	---	0.0-1.0	Very long	Frequent	---	---
		February	0.8-2.5	---	0.0-1.0	Very long	Frequent	---	---
		March	0.0-0.8	---	0.0-1.0	Very long	Frequent	Very long	Frequent
		April	0.0-0.8	---	0.0-1.0	Very long	Frequent	Very long	Frequent
		May	0.0-0.8	---	0.0-1.0	Very long	Frequent	Very long	Frequent
		June	0.0-1.6	---	0.0-1.0	Very long	Frequent	Very long	Frequent
		July	0.8-2.5	---	0.0-1.0	Very long	Frequent	---	---
		August	1.6-3.3	---	0.0-1.0	Very long	Frequent	---	---
		September	1.6-3.3	---	---	---	---	---	---
		October	1.6-3.3	---	---	---	---	---	---
		November	0.8-3.3	---	0.0-1.0	Very long	Frequent	---	---
		December	0.8-3.3	---	0.0-1.0	Very long	Frequent	---	---

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
7043:									
Tahoe, drained	A/D								
		January	1.6-3.3	---	0.1-0.3	Brief	Occasional	Brief	Occasional
		February	1.6-3.3	---	0.1-0.3	Brief	Occasional	Brief	Occasional
		March	0.8-2.5	---	0.1-0.3	Long	Occasional	Long	Occasional
		April	0.8-2.5	---	0.1-0.3	Long	Occasional	Long	Occasional
		May	0.8-2.5	---	0.1-0.3	Long	Occasional	Long	Occasional
		June	1.6-3.3	---	---	---	---	---	---
		July	3.3-6.6	---	---	---	---	---	---
		August	3.3-6.6	---	---	---	---	---	---
		September	3.3-6.6	---	---	---	---	---	---
		October	1.6-4.9	---	---	---	---	---	---
		November	1.6-4.9	---	---	---	---	---	---
		December	1.6-4.9	---	---	---	---	---	---
7051:									
Oxyaquic Xerorthents	C								
		January	1.0-6.0	---	---	---	None	---	None
		February	1.0-6.0	---	---	---	None	---	None
		March	1.0-6.0	---	---	---	None	---	None
		April	1.0-6.0	---	---	---	None	---	None
		May	1.0-6.0	---	---	---	None	---	None
		June	1.0-6.0	---	---	---	None	---	None
		July	1.0-6.0	---	---	---	None	---	None
		August	1.0-6.0	---	---	---	None	---	None
		September	1.0-6.0	---	---	---	None	---	None
		October	1.0-6.0	---	---	---	None	---	None
		November	1.0-6.0	---	---	---	None	---	None
		December	1.0-6.0	---	---	---	None	---	None
Water.									
7061.									
Urban land									

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
7071:									
Watah	A/D								
		January	0.8-2.5	---	---	---	---	---	---
		February	0.8-2.5	---	---	---	---	---	---
		March	0.0-0.8	---	0.0-1.0	Very long	Frequent	Very long	Frequent
		April	0.0-0.8	---	0.0-1.0	Very long	Frequent	Very long	Frequent
		May	0.0-0.8	---	0.0-1.0	Very long	Frequent	Very long	Frequent
		June	0.0-1.6	---	0.0-1.0	Very long	Frequent	Very long	Frequent
		July	0.8-2.5	---	---	---	---	---	---
		August	1.6-3.3	---	---	---	---	---	---
		September	1.6-3.3	---	---	---	---	---	---
		October	1.6-3.3	---	---	---	---	---	---
		November	0.8-3.3	---	---	---	---	---	---
		December	0.8-3.3	---	---	---	---	---	---
7101:									
Caverock	C								
		Jan-Dec	---	---	---	---	None	---	None
7111:									
Deerhill	B								
		Jan-Dec	---	---	---	---	None	---	None
7112:									
Deerhill	B								
		Jan-Dec	---	---	---	---	None	---	None
7121:									
Ellispeak	D								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop, volcanic.									
7122:									
Ellispeak	D								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop, volcanic.									
7123:									
Ellispeak	D								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop, volcanic.									

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
7131:									
Ellispeak	D								
		Jan-Dec	---	---	---	---	None	---	None
Waca	B								
		Jan-Dec	---	---	---	---	None	---	None
7132:									
Ellispeak	D								
		Jan-Dec	---	---	---	---	None	---	None
Waca	B								
		Jan-Dec	---	---	---	---	None	---	None
7133:									
Ellispeak	D								
		Jan-Dec	---	---	---	---	None	---	None
Waca	B								
		Jan-Dec	---	---	---	---	None	---	None
7141:									
Inville	A								
		Jan-Dec	---	---	---	---	None	---	None
7142:									
Inville	A								
		Jan-Dec	---	---	---	---	None	---	None
7143:									
Inville	A								
		Jan-Dec	---	---	---	---	None	---	None
7151:									
Jorge very cobbly fine sandy loam	B								
		Jan-Dec	---	---	---	---	None	---	None
7152:									
Jorge very cobbly fine sandy loam	B								
		Jan-Dec	---	---	---	---	None	---	None
7153:									
Jorge very cobbly fine sandy loam	B								
		Jan-Dec	---	---	---	---	None	---	None

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
7154:									
Jorge very cobbly loam	B								
		Jan-Dec	---	---	---	---	None	---	None
7155:									
Jorge very cobbly loam	B								
		Jan-Dec	---	---	---	---	None	---	None
7156:									
Jorge very gravelly sandy loam	A								
		Jan-Dec	---	---	---	---	None	---	None
Tahoma	B								
		Jan-Dec	---	---	---	---	None	---	None
7157:									
Jorge very gravelly sandy loam	A								
		Jan-Dec	---	---	---	---	None	---	None
Tahoma	B								
		Jan-Dec	---	---	---	---	None	---	None
7161:									
Kingsbeach	C								
		January	---	---	---	---	None	---	None
		February	---	---	---	---	None	---	None
		March	---	---	---	---	None	---	None
		April	---	---	---	---	None	---	None
		May	4.0-6.0	>6.0	---	---	None	---	None
		June	4.0-6.0	>6.0	---	---	None	---	None
		July	---	---	---	---	None	---	None
		August	---	---	---	---	None	---	None
		September	---	---	---	---	None	---	None
		October	---	---	---	---	None	---	None
		November	---	---	---	---	None	---	None
		December	---	---	---	---	None	---	None
7171:									
Kneeridge, extremely stony	A								
		Jan-Dec	---	---	---	---	None	---	None
7172:									
Kneeridge, well drained	A								
		Jan-Dec	---	---	---	---	None	---	None

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
7173:									
Kneeridge, very stony	A								
		Jan-Dec	---	---	---	---	None	---	None
7174:									
Kneeridge, very stony	A								
		Jan-Dec	---	---	---	---	None	---	None
7181:									
Paige	A								
		Jan-Dec	---	---	---	---	None	---	None
7182:									
Paige	A								
		Jan-Dec	---	---	---	---	None	---	None
7183:									
Paige	A								
		Jan-Dec	---	---	---	---	None	---	None
7191.									
Rock outcrop, volcanic									
7201:									
Rubble land, talus.									
Glenalpine	A								
		Jan-Dec	---	---	---	---	None	---	None
7211:									
Southcamp	B								
		Jan-Dec	---	---	---	---	None	---	None
7221:									
Tahoma	B								
		Jan-Dec	---	---	---	---	None	---	None
7222:									
Tahoma	B								
		Jan-Dec	---	---	---	---	None	---	None
Jorge very gravelly sandy loam	A								
		Jan-Dec	---	---	---	---	None	---	None

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
7231:									
Waca	B								
		Jan-Dec	---	---	---	---	None	---	None
7232:									
Waca	B								
		Jan-Dec	---	---	---	---	None	---	None
7233:									
Waca	B								
		Jan-Dec	---	---	---	---	None	---	None
7241:									
Zephyrcove	C								
		Jan-Dec	---	---	---	---	None	---	None
Southcamp	B								
		Jan-Dec	---	---	---	---	None	---	None
Genoapeak	A								
		Jan-Dec	---	---	---	---	None	---	None
7242:									
Zephyrcove	C								
		Jan-Dec	---	---	---	---	None	---	None
Southcamp	B								
		Jan-Dec	---	---	---	---	None	---	None
Genoapeak	A								
		Jan-Dec	---	---	---	---	None	---	None
7401:									
Burnlake	A								
		Jan-Dec	---	---	---	---	None	---	None
Roadcat	A								
		Jan-Dec	---	---	---	---	None	---	None
7411:									
Cagwin	B								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop, granitic.									

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
7412:									
Cagwin	B								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop, granitic.									
7413:									
Cagwin	B								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop, granitic.									
7414:									
Cagwin	B								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop, granitic.									
7421:									
Cassenai gravelly loamy coarse sand	A								
		Jan-Dec	---	---	---	---	None	---	None
7422:									
Cassenai gravelly loamy coarse sand	A								
		Jan-Dec	---	---	---	---	None	---	None
7423:									
Cassenai gravelly loamy coarse sand	A								
		Jan-Dec	---	---	---	---	None	---	None
7424:									
Cassenai gravelly loamy coarse sand	A								
		Jan-Dec	---	---	---	---	None	---	None
7425:									
Cassenai, moist	A								
		Jan-Dec	---	---	---	---	None	---	None
7426:									
Cassenai, moist	A								
		Jan-Dec	---	---	---	---	None	---	None

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
7427:									
Cassenai, moist	A								
		Jan-Dec	---	---	---	---	None	---	None
7428:									
Cassenai, moist	A								
		Jan-Dec	---	---	---	---	None	---	None
7431:									
Celio	A/D								
		January	1.0-2.5	3.3-5.0	---	---	---	---	---
		February	1.0-2.5	3.3-5.0	---	---	---	---	---
		March	1.0-2.5	3.3-5.0	0.1-0.5	Long	Occasional	Brief	Rare
		April	1.0-2.5	3.3-5.0	0.1-0.5	Long	Occasional	Brief	Rare
		May	1.0-2.5	3.3-5.0	0.1-0.5	Long	Occasional	Brief	Rare
		June	1.0-2.5	3.3-5.0	0.1-0.5	Long	Occasional	Brief	Rare
7441:									
Christopher loamy coarse sand	A								
		Jan-Dec	---	---	---	---	None	---	None
7442:									
Christopher loamy coarse sand	A								
		Jan-Dec	---	---	---	---	None	---	None
7443:									
Christopher gravelly loamy coarse sand	A								
		Jan-Dec	---	---	---	---	None	---	None
7444:									
Christopher loamy coarse sand	A								
		Jan-Dec	---	---	---	---	None	---	None
Gefo gravelly loamy coarse sand	A								
		Jan-Dec	---	---	---	---	None	---	None
7451:									
Gefo gravelly loamy coarse sand	A								
		Jan-Dec	---	---	---	---	None	---	None
7452:									
Gefo gravelly loamy coarse sand	A								
		Jan-Dec	---	---	---	---	None	---	None

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
7461:									
Jabu	A								
		January	---	---	---	---	None	---	None
		February	---	---	---	---	None	---	None
		March	3.3-6.6	---	---	---	None	---	None
		April	3.3-6.6	---	---	---	None	---	None
		May	3.3-6.6	---	---	---	None	---	None
		June	---	---	---	---	None	---	None
		July	---	---	---	---	None	---	None
		August	---	---	---	---	None	---	None
		September	---	---	---	---	None	---	None
		October	---	---	---	---	None	---	None
		November	---	---	---	---	None	---	None
		December	---	---	---	---	None	---	None
7462:									
Jabu	A								
		January	---	---	---	---	None	---	None
		February	---	---	---	---	None	---	None
		March	3.3-6.6	---	---	---	None	---	None
		April	3.3-6.6	---	---	---	None	---	None
		May	3.3-6.6	---	---	---	None	---	None
		June	---	---	---	---	None	---	None
		July	---	---	---	---	None	---	None
		August	---	---	---	---	None	---	None
		September	---	---	---	---	None	---	None
		October	---	---	---	---	None	---	None
		November	---	---	---	---	None	---	None
		December	---	---	---	---	None	---	None
7471:									
Marla	A/D								
		January	1.0-2.5	---	0.0-0.7	Brief	Frequent	Brief	Rare
		February	1.0-2.5	---	0.0-0.7	Brief	Frequent	Brief	Rare
		March	1.0-2.5	---	0.0-0.7	Brief	Frequent	Brief	Rare
		April	1.0-2.5	---	0.0-0.7	Brief	Frequent	Brief	Rare
		May	1.0-2.5	---	---	---	---	---	---
		June	1.0-2.5	---	---	---	---	---	---
		July	1.6-4.9	---	---	---	---	---	---
		August	2.5-6.6	---	---	---	---	---	---
		September	2.5-6.6	---	---	---	---	---	---
		October	1.6-4.9	---	---	---	---	---	---
		November	1.6-3.3	---	0.0-0.7	Brief	Frequent	Brief	Rare
		December	1.6-3.3	---	0.0-0.7	Brief	Frequent	Brief	Rare

Table 24.--Water Features--Continued

Map symbol and component name	Hydro-logic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
7481:									
Meeks, stony	A								
		Jan-Dec	---	---	---	---	None	---	None
7482:									
Meeks, stony	A								
		Jan-Dec	---	---	---	---	None	---	None
7483:									
Meeks, very stony	A								
		Jan-Dec	---	---	---	---	None	---	None
7484:									
Meeks, extremely bouldery	A								
		Jan-Dec	---	---	---	---	None	---	None
7485:									
Meeks, extremely bouldery	A								
		Jan-Dec	---	---	---	---	None	---	None
7486:									
Meeks, extremely bouldery	A								
		Jan-Dec	---	---	---	---	None	---	None
7487:									
Meeks, rubbly	A								
		Jan-Dec	---	---	---	---	None	---	None
7488:									
Meeks, rubbly	A								
		Jan-Dec	---	---	---	---	None	---	None
7489:									
Meeks, rubbly	A								
		Jan-Dec	---	---	---	---	None	---	None

Table 24.--Water Features--Continued

Map symbol and component name	Hydro-logic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
7491:									
Oneidas	D								
		January	---	---	---	---	None	---	None
		February	---	---	---	---	None	---	None
		March	0.7-1.5	0.8-1.6	---	---	None	---	None
		April	0.7-1.5	0.8-1.6	---	---	None	---	None
		May	0.7-1.5	0.8-1.6	---	---	None	---	None
		June	---	---	---	---	None	---	None
		July	---	---	---	---	None	---	None
		August	---	---	---	---	None	---	None
		September	---	---	---	---	None	---	None
		October	---	---	---	---	None	---	None
		November	---	---	---	---	None	---	None
		December	---	---	---	---	None	---	None
7492:									
Oneidas	D								
		January	---	---	---	---	None	---	None
		February	---	---	---	---	None	---	None
		March	0.7-1.5	0.8-1.6	---	---	None	---	None
		April	0.7-1.5	0.8-1.6	---	---	None	---	None
		May	0.7-1.5	0.8-1.6	---	---	None	---	None
		June	---	---	---	---	None	---	None
		July	---	---	---	---	None	---	None
		August	---	---	---	---	None	---	None
		September	---	---	---	---	None	---	None
		October	---	---	---	---	None	---	None
		November	---	---	---	---	None	---	None
		December	---	---	---	---	None	---	None
7500.									
Rock outcrop, granitic									
7501:									
Rock outcrop, granitic.									
Rockbound very gravelly loam	D								
		Jan-Dec	---	---	---	---	None	---	None
7502:									
Rock outcrop, granitic.									
Rockbound very stony loam	D								
		Jan-Dec	---	---	---	---	None	---	None

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
7511:									
Shalgran	D								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop.									
7521:									
Tallac, very stony	A								
		January	---	---	---	---	None	---	None
		February	---	---	---	---	None	---	None
		March	3.5-5.0	3.3-5.8	---	---	None	---	None
		April	3.5-5.0	3.3-5.8	---	---	None	---	None
		May	3.5-5.0	3.3-5.8	---	---	None	---	None
		June	---	---	---	---	None	---	None
		July	---	---	---	---	None	---	None
		August	---	---	---	---	None	---	None
		September	---	---	---	---	None	---	None
		October	---	---	---	---	None	---	None
		November	---	---	---	---	None	---	None
		December	---	---	---	---	None	---	None
7522:									
Tallac, very stony	A								
		January	---	---	---	---	None	---	None
		February	---	---	---	---	None	---	None
		March	3.5-5.0	3.3-5.8	---	---	None	---	None
		April	3.5-5.0	3.3-5.8	---	---	None	---	None
		May	3.5-5.0	3.3-5.8	---	---	None	---	None
		June	---	---	---	---	None	---	None
		July	---	---	---	---	None	---	None
		August	---	---	---	---	None	---	None
		September	---	---	---	---	None	---	None
		October	---	---	---	---	None	---	None
		November	---	---	---	---	None	---	None
		December	---	---	---	---	None	---	None

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
7523:									
Tallac, very stony----------	A								
		January	---	---	---	---	None	---	None
		February	---	---	---	---	None	---	None
		March	3.5-5.0	3.3-5.8	---	---	None	---	None
		April	3.5-5.0	3.3-5.8	---	---	None	---	None
		May	3.5-5.0	3.3-5.8	---	---	None	---	None
		June	---	---	---	---	None	---	None
		July	---	---	---	---	None	---	None
		August	---	---	---	---	None	---	None
		September	---	---	---	---	None	---	None
		October	---	---	---	---	None	---	None
		November	---	---	---	---	None	---	None
		December	---	---	---	---	None	---	None
7524:									
Tallac, moderately well drained----------	A								
		January	---	---	---	---	None	---	None
		February	---	---	---	---	None	---	None
		March	3.5-5.0	3.3-5.8	---	---	None	---	None
		April	3.5-5.0	3.3-5.8	---	---	None	---	None
		May	3.5-5.0	3.3-5.8	---	---	None	---	None
		June	---	---	---	---	None	---	None
		July	---	---	---	---	None	---	None
		August	---	---	---	---	None	---	None
		September	---	---	---	---	None	---	None
		October	---	---	---	---	None	---	None
		November	---	---	---	---	None	---	None
		December	---	---	---	---	None	---	None
7525:									
Tallac, moderately well drained----------	A								
		January	---	---	---	---	None	---	None
		February	---	---	---	---	None	---	None
		March	3.5-5.0	3.3-5.8	---	---	None	---	None
		April	3.5-5.0	3.3-5.8	---	---	None	---	None
		May	3.5-5.0	3.3-5.8	---	---	None	---	None
		June	---	---	---	---	None	---	None
		July	---	---	---	---	None	---	None
		August	---	---	---	---	None	---	None
		September	---	---	---	---	None	---	None
		October	---	---	---	---	None	---	None
		November	---	---	---	---	None	---	None
		December	---	---	---	---	None	---	None

Table 24.--Water Features--Continued

Map symbol and component name	Hydro-logic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
7526:									
Tallac, rubbly	A								
		January	---	---	---	---	None	---	None
		February	---	---	---	---	None	---	None
		March	3.5-5.0	3.3-5.8	---	---	None	---	None
		April	3.5-5.0	3.3-5.8	---	---	None	---	None
		May	3.5-5.0	3.3-5.8	---	---	None	---	None
		June	---	---	---	---	None	---	None
		July	---	---	---	---	None	---	None
		August	---	---	---	---	None	---	None
		September	---	---	---	---	None	---	None
		October	---	---	---	---	None	---	None
		November	---	---	---	---	None	---	None
		December	---	---	---	---	None	---	None
7531:									
Toem	D								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop, granitic.									
7532:									
Toem	D								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop, granitic.									
7533:									
Toem	D								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop, granitic.									

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
7541:									
Ubaj	B								
		January	---	---	---	---	None	---	None
		February	---	---	---	---	None	---	None
		March	---	---	---	---	None	---	None
		April	---	---	---	---	None	---	None
		May	4.0-6.0	>6.0	---	---	None	---	None
		June	4.0-6.0	>6.0	---	---	None	---	None
		July	---	---	---	---	None	---	None
		August	---	---	---	---	None	---	None
		September	---	---	---	---	None	---	None
		October	---	---	---	---	None	---	None
		November	---	---	---	---	None	---	None
		December	---	---	---	---	None	---	None
9001:									
Bidart mucky silt loam	A/D								
		January	0.8-2.5	---	0.1-0.3	Brief	Occasional	Brief	Occasional
		February	0.8-2.5	---	0.1-0.3	Brief	Occasional	Brief	Occasional
		March	0.0-1.0	---	0.1-0.3	Long	Occasional	Long	Occasional
		April	0.0-1.0	---	0.1-0.3	Long	Occasional	Long	Occasional
		May	0.0-1.0	---	0.1-0.3	Long	Occasional	Long	Occasional
		June	0.8-2.5	---	---	---	---	---	---
		July	2.5-4.1	---	---	---	---	---	---
		August	2.5-4.1	---	---	---	---	---	---
		September	2.5-4.1	---	---	---	---	---	---
		October	0.8-2.5	---	---	---	---	---	---
		November	0.8-2.5	---	---	---	---	---	---
		December	0.8-2.5	---	---	---	---	---	---
Bidart, wet	A/D								
		January	0.3-1.6	---	---	---	---	---	---
		February	0.3-1.6	---	---	---	---	---	---
		March	0.0-0.8	---	0.2-0.5	Very long	Frequent	Very long	Frequent
		April	0.0-0.8	---	0.2-0.5	Very long	Frequent	Very long	Frequent
		May	0.0-0.8	---	0.2-0.5	Very long	Frequent	Very long	Frequent
		June	0.3-1.6	---	---	---	---	---	---
		July	0.8-2.5	---	---	---	---	---	---
		August	0.8-2.5	---	---	---	---	---	---
		September	0.8-2.5	---	---	---	---	---	---
		October	0.3-1.6	---	---	---	---	---	---
		November	0.3-1.6	---	---	---	---	---	---
		December	0.3-1.6	---	---	---	---	---	---

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
9011:									
Oxyaquic Cryorthents	A								
		March	1.6-3.3	---	---	---	None	Brief	Frequent
		April	1.6-3.3	---	---	---	None	Brief	Frequent
		May	1.6-3.3	---	---	---	None	Brief	Frequent
Aquic Xerorthents	A								
		March	1.6-3.3	---	---	---	None	Brief	Frequent
		April	1.6-3.3	---	---	---	None	Brief	Frequent
		May	1.6-3.3	---	---	---	None	Brief	Frequent
Tahoe, gravelly	A/D								
		January	0.8-2.5	---	0.1-0.3	Brief	Occasional	Brief	Occasional
		February	0.8-2.5	---	0.1-0.3	Brief	Occasional	Brief	Occasional
		March	0.0-1.0	---	0.1-0.3	Long	Occasional	Long	Occasional
		April	0.0-1.0	---	0.1-0.3	Long	Occasional	Long	Occasional
		May	0.0-1.0	---	0.1-0.3	Long	Occasional	Long	Occasional
		June	0.8-2.5	---	---	---	---	---	---
		July	2.5-4.1	---	---	---	---	---	---
		August	2.5-4.1	---	---	---	---	---	---
		September	2.5-4.1	---	---	---	---	---	---
		October	0.8-2.5	---	---	---	---	---	---
		November	0.8-2.5	---	---	---	---	---	---
		December	0.8-2.5	---	---	---	---	---	---
9101:									
Callat	B								
		Jan-Dec	---	---	---	---	None	---	None
9102:									
Callat	B								
		Jan-Dec	---	---	---	---	None	---	None
9111:									
Florand	A								
		Jan-Dec	---	---	---	---	None	---	None
Lostridge	B								
		Jan-Dec	---	---	---	---	None	---	None
Fishsnooze	B								
		Jan-Dec	---	---	---	---	None	---	None

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
9121:									
Watsonlake	B								
		Jan-Dec	---	---	---	---	None	---	None
9122:									
Watsonlake	B								
		Jan-Dec	---	---	---	---	None	---	None
9123:									
Watsonlake	B								
		Jan-Dec	---	---	---	---	None	---	None
9131:									
Lithnip	D								
		Jan-Dec	---	---	---	---	None	---	None
Meiss	D								
		Jan-Dec	---	---	---	---	None	---	None
Hawkinspeak	B								
		Jan-Dec	---	---	---	---	None	---	None
9141:									
Melody	D								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop, volcanic.									
9142:									
Melody	D								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop, volcanic.									
9143:									
Melody	D								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop, volcanic.									

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
9151:									
Shakespeare	C								
		January	3.0-5.0	>6.0	---	---	None	---	None
		February	3.0-5.0	>6.0	---	---	None	---	None
		March	3.0-5.0	>6.0	---	---	None	---	None
		April	3.0-5.0	>6.0	---	---	None	---	None
		May	3.0-5.0	>6.0	---	---	None	---	None
		June	---	---	---	---	None	---	None
		July	---	---	---	---	None	---	None
		August	---	---	---	---	None	---	None
		September	---	---	---	---	None	---	None
		October	---	---	---	---	None	---	None
		November	---	---	---	---	None	---	None
		December	3.0-5.0	>6.0	---	---	None	---	None
9152:									
Shakespeare	C								
		January	3.0-5.0	>6.0	---	---	None	---	None
		February	3.0-5.0	>6.0	---	---	None	---	None
		March	3.0-5.0	>6.0	---	---	None	---	None
		April	3.0-5.0	>6.0	---	---	None	---	None
		May	3.0-5.0	>6.0	---	---	None	---	None
		June	---	---	---	---	None	---	None
		July	---	---	---	---	None	---	None
		August	---	---	---	---	None	---	None
		September	---	---	---	---	None	---	None
		October	---	---	---	---	None	---	None
		November	---	---	---	---	None	---	None
		December	3.0-5.0	>6.0	---	---	None	---	None
9161:									
Sky	B								
		Jan-Dec	---	---	---	---	None	---	None
9162:									
Sky	B								
		Jan-Dec	---	---	---	---	None	---	None
9163:									
Sky	B								
		Jan-Dec	---	---	---	---	None	---	None

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
9164:									
Sky	B								
		Jan-Dec	---	---	---	---	None	---	None
Melody	D								
		Jan-Dec	---	---	---	---	None	---	None
9165:									
Sky	B								
		Jan-Dec	---	---	---	---	None	---	None
Melody	D								
		Jan-Dec	---	---	---	---	None	---	None
9166:									
Sky	B								
		Jan-Dec	---	---	---	---	None	---	None
Melody	D								
		Jan-Dec	---	---	---	---	None	---	None
9171:									
Mountrose	B								
		Jan-Dec	---	---	---	---	None	---	None
Wardcreek	A								
		Jan-Dec	---	---	---	---	None	---	None
Melody	D								
		Jan-Dec	---	---	---	---	None	---	None
9401:									
Dagget very gravelly loamy coarse sand	A								
		Jan-Dec	---	---	---	---	None	---	None
9402:									
Dagget very gravelly loamy coarse sand	A								
		Jan-Dec	---	---	---	---	None	---	None
9403:									
Dagget very gravelly loamy coarse sand	A								
		Jan-Dec	---	---	---	---	None	---	None

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
9404:									
Dagget, moist	A								
		Jan-Dec	---	---	---	---	None	---	None
9405:									
Dagget, moist	A								
		Jan-Dec	---	---	---	---	None	---	None
9406:									
Dagget, moist	A								
		Jan-Dec	---	---	---	---	None	---	None
9407:									
Dagget, moist	A								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop, granitic.									
9411:									
Freelpeak	B								
		Jan-Dec	---	---	---	---	None	---	None
Windyridge	D								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop.									
9421:									
Jobsis	D								
		Jan-Dec	---	---	---	---	None	---	None
Whittell	C								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop.									
9431:									
Sofgran	A								
		Jan-Dec	---	---	---	---	None	---	None
Klauspeak	A								
		Jan-Dec	---	---	---	---	None	---	None

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
9431:									
Temo	D								
		Jan-Dec	---	---	---	---	None	---	None
9441:									
Temo	D								
		Jan-Dec	---	---	---	---	None	---	None
Witefels	A								
		Jan-Dec	---	---	---	---	None	---	None
9442:									
Temo	D								
		Jan-Dec	---	---	---	---	None	---	None
Witefels	A								
		Jan-Dec	---	---	---	---	None	---	None
9443:									
Temo	D								
		Jan-Dec	---	---	---	---	None	---	None
Witefels	A								
		Jan-Dec	---	---	---	---	None	---	None
9444:									
Temo	D								
		Jan-Dec	---	---	---	---	None	---	None
Witefels	A								
		Jan-Dec	---	---	---	---	None	---	None
9451:									
Waterpeak	A								
		Jan-Dec	---	---	---	---	None	---	None
Rock outcrop.									
9461:									
Whittell	C								
		Jan-Dec	---	---	---	---	None	---	None

Table 24.--Water Features--Continued

Map symbol and component name	Hydrologic group	Months	Water table		Ponding			Flooding	
			Upper limit	Lower limit	Surface water depth	Duration	Frequency	Duration	Frequency
			Ft	Ft	Ft				
9461:									
Jobsis	D	Jan-Dec	---	---	---	---	None	---	None
Rock outcrop.									
W.									
Water									

Table 25.--Soil Features

(See text for definitions of terms used in this table. Absence of an entry indicates that the feature is not a concern or that data were not estimated)

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7011:									
Beaches	---	---	---	---	---	---	Low	High	High
Oxyaquic Xeropsamments	---	---	---	---	---	---	Low	High	Moderate
Watah	---	---	---	---	4-8	8-16	High	High	Low
Gefo, barrier beach	---	---	---	---	---	---	Low	Low	Moderate
Marla	---	---	---	---	---	---	Moderate	High	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Dunes.									
Jorge very gravelly sandy loam	---	---	---	---	---	---	Moderate	High	Moderate
Rock outcrop.									
Tahoe silt loam	---	---	---	---	---	---	High	High	High
Tahoma	Lithic bedrock	40-80	---	Very strongly cemented	---	---	Moderate	High	Moderate
Toem	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
7021:									
Hellhole	---	---	---	---	39-79	98-138	High	Moderate	High
Bidart, wet	---	---	---	---	---	---	High	High	High
Watah	---	---	---	---	4-8	8-16	High	High	Low
Water.									

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7031:									
Pits.									
Dumps.									
Arents.									
Xerorthents.									
7041:									
Tahoe silt loam	---	---	---	---	---	---	High	High	High
Tahoe silt loam, wet	---	---	---	---	---	---	High	High	High
Marla	---	---	---	---	---	---	Moderate	High	Moderate
Tahoe, gravelly	---	---	---	---	---	---	High	High	High
Watah	---	---	---	---	4-8	8-16	High	High	Low
7042:									
Tahoe, gravelly	---	---	---	---	---	---	High	High	High
Tahoe, gravelly, wet	---	---	---	---	---	---	High	High	High
Marla	---	---	---	---	---	---	Moderate	High	Moderate
Riverwash.									
Tahoe silt loam	---	---	---	---	---	---	High	High	High
Watah	---	---	---	---	4-8	8-16	High	High	Low
7043:									
Tahoe, drained	---	---	---	---	---	---	High	High	High
Marla	---	---	---	---	---	---	Moderate	High	Moderate
Tahoe, gravelly	---	---	---	---	---	---	High	High	High
Tahoe silt loam, wet	---	---	---	---	---	---	High	High	High
Watah	---	---	---	---	4-8	8-16	High	High	Low

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7051:									
Oxyaquic Xerorthents	---	---	---	---	---	---	Low	Low	Moderate
Water.									
Marla	---	---	---	---	---	---	Moderate	High	Moderate
Watah	---	---	---	---	4-8	8-16	High	High	Low
7061.									
Urban land									
7071:									
Watah	---	---	---	---	4-8	8-16	High	High	Low
Tahoe, gravelly, wet	---	---	---	---	---	---	High	High	High
Tahoe silt loam, wet	---	---	---	---	---	---	High	High	High
Marla	---	---	---	---	---	---	Moderate	High	Moderate
Bidart, wet	---	---	---	---	---	---	High	High	High
Water.									
Hellhole	---	---	---	---	39-79	98-138	High	Moderate	High
7101:									
Caverock	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Deerhill	---	---	---	---	---	---	Moderate	Low	Low
Genoapeak	---	---	---	---	---	---	Moderate	Low	Moderate
Southcamp	---	---	---	---	---	---	Moderate	Low	Low
Zephyrcove	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7101:									
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
7111:									
Deerhill	---	---	---	---	---	---	Moderate	Low	Low
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Shakespeare	---	---	---	---	---	---	Moderate	Moderate	Moderate
Southcamp	---	---	---	---	---	---	Moderate	Low	Low
Zephyrcove	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Genoapeak	---	---	---	---	---	---	Moderate	Low	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
7112:									
Deerhill	---	---	---	---	---	---	Moderate	Low	Low
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Shakespeare	---	---	---	---	---	---	Moderate	Moderate	Moderate
Southcamp	---	---	---	---	---	---	Moderate	Low	Low
Zephyrcove	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Genoapeak	---	---	---	---	---	---	Moderate	Low	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
7121:									
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7121:									
Rock outcrop, volcanic	Lithic bedrock	0	---	Very strongly cemented	---	---	---	---	---
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Kneeridge, well drained	---	---	---	---	---	---	Moderate	High	Moderate
Paige	Dense material	59-79	---	Noncemented	---	---	Moderate	Low	Moderate
Tahoe, gravelly	---	---	---	---	---	---	High	High	High
7122:									
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Rock outcrop, volcanic	Lithic bedrock	0	---	Very strongly cemented	---	---	---	---	---
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Kneeridge, well drained	---	---	---	---	---	---	Moderate	High	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
Paige	Dense material	59-79	---	Noncemented	---	---	Moderate	Low	Moderate
7123:									
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Rock outcrop, volcanic	Lithic bedrock	0	---	Very strongly cemented	---	---	---	---	---
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Kneeridge, well drained	---	---	---	---	---	---	Moderate	High	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
Paige	Dense material	59-79	---	Noncemented	---	---	Moderate	Low	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7131:									
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Rock outcrop.									
Windy	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Moderate	Low	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
7132:									
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Rock outcrop.									
Windy	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Moderate	Low	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
7133:									
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Rock outcrop.									
Windy	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Moderate	Low	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
7141:									
Inville	---	---	---	---	---	---	Moderate	Moderate	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7141:									
Christopher loamy coarse sand---------	---	---	---	---	---	---	Low	Low	Moderate
Cassenai gravelly loamy coarse sand---	---	---	---	---	---	---	Low	Low	Moderate
Jorge very gravelly sandy loam--------	---	---	---	---	---	---	Moderate	High	Moderate
Kingsbeach----------	---	---	---	---	---	---	Moderate	Moderate	Moderate
Aquic Xerorthents----------	---	---	---	---	---	---	Moderate	High	Moderate
7142:									
Inville----------	---	---	---	---	---	---	Moderate	Moderate	Moderate
Cassenai gravelly loamy coarse sand---	---	---	---	---	---	---	Low	Low	Moderate
Christopher gravelly loamy coarse sand----------	---	---	---	---	---	---	Low	Low	Moderate
Jorge very gravelly sandy loam--------	---	---	---	---	---	---	Moderate	High	Moderate
Meeks, extremely bouldery----------	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Aquic Xerorthents----------	---	---	---	---	---	---	Moderate	High	Moderate
7143:									
Inville----------	---	---	---	---	---	---	Moderate	Moderate	Moderate
Cassenai gravelly loamy coarse sand---	---	---	---	---	---	---	Low	Low	Moderate
Christopher gravelly loamy coarse sand----------	---	---	---	---	---	---	Low	Low	Moderate
Jorge very gravelly sandy loam--------	---	---	---	---	---	---	Moderate	High	Moderate
Meeks, extremely bouldery----------	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Aquic Xerorthents----------	---	---	---	---	---	---	Moderate	High	Moderate
7151:									
Jorge very cobbly fine sandy loam-----	---	---	---	---	---	---	Moderate	Low	Moderate
Tahoma----------	Lithic bedrock	40-80	---	Very strongly cemented	---	---	Moderate	High	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7151:									
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Jorge very cobbly loam	---	---	---	---	---	---	Moderate	High	Moderate
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Sky	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	High	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
Rock outcrop.									
7152:									
Jorge very cobbly fine sandy loam	---	---	---	---	---	---	Moderate	Low	Moderate
Tahoma	Lithic bedrock	40-80	---	Very strongly cemented	---	---	Moderate	High	Moderate
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Jorge very cobbly loam	---	---	---	---	---	---	Moderate	High	Moderate
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Sky	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	High	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
Rock outcrop.									
7153:									
Jorge very cobbly fine sandy loam	---	---	---	---	---	---	Moderate	Low	Moderate
Tahoma	Lithic bedrock	40-80	---	Very strongly cemented	---	---	Moderate	High	Moderate
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7153:									
Jorge very cobbly loam	---	---	---	---	---	---	Moderate	High	Moderate
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Sky	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	High	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
Rock outcrop.									
7154:									
Jorge very cobbly loam	---	---	---	---	---	---	Moderate	High	Moderate
Rubble land.									
Tahoma	Lithic bedrock	40-80	---	Very strongly cemented	---	---	Moderate	High	Moderate
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Rock outcrop.									
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Tahoe, gravelly	---	---	---	---	---	---	High	High	High
7155:									
Jorge very cobbly loam	---	---	---	---	---	---	Moderate	High	Moderate
Rubble land.									
Tahoma	Lithic bedrock	40-80	---	Very strongly cemented	---	---	Moderate	High	Moderate
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Rock outcrop.									

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7155:									
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Tahoe, gravelly	---	---	---	---	---	---	High	High	High
7156:									
Jorge very gravelly sandy loam	---	---	---	---	---	---	Moderate	High	Moderate
Tahoma	Lithic bedrock	40-80	---	Very strongly cemented	---	---	Moderate	High	Moderate
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Inville	---	---	---	---	---	---	Moderate	Moderate	Moderate
Rubble land.									
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Rock outcrop.									
Tahoe, gravelly	---	---	---	---	---	---	High	High	High
7157:									
Jorge very gravelly sandy loam	---	---	---	---	---	---	Moderate	High	Moderate
Tahoma	Lithic bedrock	40-80	---	Very strongly cemented	---	---	Moderate	High	Moderate
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Inville	---	---	---	---	---	---	Moderate	Moderate	Moderate
Rubble land.									
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Rock outcrop.									
Tahoe, gravelly	---	---	---	---	---	---	High	High	High

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7161:									
Kingsbeach	---	---	---	---	---	---	Moderate	Moderate	Moderate
Tahoma	Lithic bedrock	40-80	---	Very strongly cemented	---	---	Moderate	High	Moderate
Jorge very gravelly sandy loam	---	---	---	---	---	---	Moderate	High	Moderate
Beaches	---	---	---	---	---	---	Low	High	High
Dunes.									
7171:									
Kneeridge, extremely stony	---	---	---	---	---	---	Moderate	High	Moderate
Jorge very gravelly sandy loam	---	---	---	---	---	---	Moderate	High	Moderate
Paige	Dense material	59-79	---	Noncemented	---	---	Moderate	Low	Moderate
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Tahoe, gravelly	---	---	---	---	---	---	High	High	High
7172:									
Kneeridge, well drained	---	---	---	---	---	---	Moderate	High	Moderate
Jorge very gravelly sandy loam	---	---	---	---	---	---	Moderate	High	Moderate
Paige	Dense material	59-79	---	Noncemented	---	---	Moderate	Low	Moderate
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Tahoe, gravelly	---	---	---	---	---	---	High	High	High
7173:									
Kneeridge, very stony	---	---	---	---	---	---	Moderate	High	Moderate
Jorge very gravelly sandy loam	---	---	---	---	---	---	Moderate	High	Moderate
Paige	Dense material	59-79	---	Noncemented	---	---	Moderate	Low	Moderate
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7173:									
Tahoe, gravelly	---	---	---	---	---	---	High	High	High
7174:									
Kneeridge, very stony	---	---	---	---	---	---	Moderate	High	Moderate
Jorge very gravelly sandy loam	---	---	---	---	---	---	Moderate	High	Moderate
Paige	Dense material	59-79	---	Noncemented	---	---	Moderate	Low	Moderate
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Tahoe, gravelly	---	---	---	---	---	---	High	High	High
7181:									
Paige	Dense material	59-79	---	Noncemented	---	---	Moderate	Low	Moderate
Kneeridge, well drained	---	---	---	---	---	---	Moderate	High	Moderate
Jorge very gravelly sandy loam	---	---	---	---	---	---	Moderate	High	Moderate
Tahoe, gravelly	---	---	---	---	---	---	High	High	High
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
7182:									
Paige	Dense material	59-79	---	Noncemented	---	---	Moderate	Low	Moderate
Jorge very gravelly sandy loam	---	---	---	---	---	---	Moderate	High	Moderate
Tahoma	Lithic bedrock	40-80	---	Very strongly cemented	---	---	Moderate	High	Moderate
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Kneeridge, well drained	---	---	---	---	---	---	Moderate	High	Moderate
Tahoe, gravelly	---	---	---	---	---	---	High	High	High
7183:									
Paige	Dense material	59-79	---	Noncemented	---	---	Moderate	Low	Moderate
Jorge very gravelly sandy loam	---	---	---	---	---	---	Moderate	High	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7183:									
Tahoma	Lithic bedrock	40-80	---	Very strongly cemented	---	---	Moderate	High	Moderate
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Tahoe, gravelly	---	---	---	---	---	---	High	High	High
7191:									
Rock outcrop, volcanic	Lithic bedrock	0	---	---	---	---	---	---	---
Glenalpine	Dense material	39-59	---	Noncemented	---	---	Moderate	Low	Low
Lithnip	Lithic bedrock	4-10	---	Indurated	---	---	Moderate	Moderate	Low
Meiss	Lithic bedrock	10-20	---	Indurated	---	---	Moderate	Low	Moderate
Melody	Lithic bedrock	10-20	---	Strongly cemented	---	---	Moderate	High	Moderate
Rubble land.									
7201:									
Rubble land, talus.									
Glenalpine	Dense material	39-59	---	Noncemented	---	---	Moderate	Low	Low
Rock outcrop.									
Rockbound very stony loam	Lithic bedrock	7-20	---	Indurated	---	---	Moderate	Low	Moderate
7211:									
Southcamp	---	---	---	---	---	---	Moderate	Low	Low
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Genoapeak	---	---	---	---	---	---	Moderate	Low	Moderate
Zephyrcove	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7211:									
Deerhill	---	---	---	---	---	---	Moderate	Low	Low
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
7221:									
Tahoma	Lithic bedrock	40-80	---	Very strongly cemented	---	---	Moderate	High	Moderate
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Inville	---	---	---	---	---	---	Moderate	Moderate	Moderate
Rubble land.									
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Rock outcrop.									
7222:									
Tahoma	Lithic bedrock	40-80	---	Very strongly cemented	---	---	Moderate	High	Moderate
Jorge very gravelly sandy loam	---	---	---	---	---	---	Moderate	High	Moderate
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Inville	---	---	---	---	---	---	Moderate	Moderate	Moderate
Rubble land.									
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Rock outcrop.									
Tahoe, gravelly	---	---	---	---	---	---	High	High	High

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7231:									
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Rock outcrop.									
Windy	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Moderate	Low	Moderate
Kneeridge, well drained	---	---	---	---	---	---	Moderate	High	Moderate
Paige	Dense material	59-79	---	Noncemented	---	---	Moderate	Low	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
7232:									
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Rock outcrop.									
Windy	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Moderate	Low	Moderate
Kneeridge, well drained	---	---	---	---	---	---	Moderate	High	Moderate
Paige	Dense material	59-79	---	Noncemented	---	---	Moderate	Low	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
Typic Epiaquents	---	---	---	---	---	---	Moderate	High	Moderate
7233:									
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7233:									
Rock outcrop.									
Windy	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Moderate	Low	Moderate
Kneeridge, well drained	---	---	---	---	---	---	Moderate	High	Moderate
Paige	Dense material	59-79	---	Noncemented	---	---	Moderate	Low	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
7241:									
Zephyrcove	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Southcamp	---	---	---	---	---	---	Moderate	Low	Low
Genoapeak	---	---	---	---	---	---	Moderate	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Deerhill	---	---	---	---	---	---	Moderate	Low	Low
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
7242:									
Zephyrcove	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Southcamp	---	---	---	---	---	---	Moderate	Low	Low
Genoapeak	---	---	---	---	---	---	Moderate	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Deerhill	---	---	---	---	---	---	Moderate	Low	Low
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7401:									
Burnlake	---	---	---	---	---	---	Moderate	Moderate	Low
Roadcat	---	---	---	---	---	---	Low	Moderate	Moderate
Hardtil	Lithic bedrock	10-20	---	Indurated	---	---	Moderate	Moderate	Moderate
Aquic Haplocryolls	---	---	---	---	---	---	Moderate	Moderate	Low
Aspetill	---	---	---	---	---	---	Moderate	Moderate	Low
Cumulic Cryaquolls	---	---	---	---	---	---	Moderate	Moderate	Low
Stumpatil	---	---	---	---	---	---	Moderate	Moderate	Moderate
Typic Haploxerepts	---	---	---	---	---	---	Low	Moderate	Moderate
Rock outcrop.									
7411:									
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Rock outcrop, granitic.									
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Toem	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
Dagget very gravelly loamy coarse sand	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Temo	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Witefels	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
Marla	---	---	---	---	---	---	Moderate	High	Moderate
7412:									
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7412:									
Rock outcrop, granitic.									
Cassenai gravelly loamy coarse sand---	---	---	---	---	---	---	Low	Low	Moderate
Toem---	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
Dagget very gravelly loamy coarse sand---	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Temo---	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Witefels---	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
Marla---	---	---	---	---	---	---	Moderate	High	Moderate
7413:									
Cagwin---	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Rock outcrop, granitic.									
Cassenai gravelly loamy coarse sand---	---	---	---	---	---	---	Low	Low	Moderate
Toem---	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
Dagget very gravelly loamy coarse sand---	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Temo---	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Witefels---	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
Marla---	---	---	---	---	---	---	Moderate	High	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7414:									
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Rock outcrop, granitic.									
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Toem	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
Dagget very gravelly loamy coarse sand	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Temo	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Witefels	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
Marla	---	---	---	---	---	---	Moderate	High	Moderate
7421:									
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Toem	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
Rock outcrop	Lithic bedrock	0	---	---	---	---	---	---	---
Christopher loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Christopher gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Marla	---	---	---	---	---	---	Moderate	High	Moderate
7422:									
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7422:									
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Dagget very gravelly loamy coarse sand	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Toem	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
Christopher gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Rock outcrop	Lithic bedrock	0	---	---	---	---	---	---	---
7423:									
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Toem	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
Rock outcrop	Lithic bedrock	0	---	---	---	---	---	---	---
Christopher gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
7424:									
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Toem	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
Rock outcrop	Lithic bedrock	0	---	---	---	---	---	---	---

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7424:									
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
7425:									
Cassenai, moist	---	---	---	---	---	---	Low	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Meeks, extremely bouldery	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Tallac, very stony	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Rock outcrop	Lithic bedrock	0	---	---	---	---	---	---	---
Toem	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
Marla	---	---	---	---	---	---	Moderate	High	Moderate
7426:									
Cassenai, moist	---	---	---	---	---	---	Low	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Tallac, very stony	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Meeks, extremely bouldery	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Rock outcrop	Lithic bedrock	0	---	---	---	---	---	---	---
Toem	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
Marla	---	---	---	---	---	---	Moderate	High	Moderate
7427:									
Cassenai, moist	---	---	---	---	---	---	Low	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7427:									
Meeks, extremely bouldery	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Toem	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
Rock outcrop	Lithic bedrock	0	---	---	---	---	---	---	---
Tallac, very stony	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
7428:									
Cassenai, moist	---	---	---	---	---	---	Low	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Meeks, extremely bouldery	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Toem	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
Rock outcrop	Lithic bedrock	0	---	---	---	---	---	---	---
Tallac, very stony	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
7431:									
Celio	Duripan	39-59	0-3	Strongly cemented	---	---	Moderate	High	Moderate
Meeks, stony	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Tahoe, gravelly	---	---	---	---	---	---	High	High	High
Marla	---	---	---	---	---	---	Moderate	High	Moderate
Watah	---	---	---	---	4-8	8-16	High	High	Low
7441:									
Christopher loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Gefo gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7441:									
Jabu	Fragipan Dense material	39-79 59-79	8-39	Noncemented	---	---	Moderate	Moderate	Moderate
Oneidas	Fragipan	10-20	10-69	Noncemented	---	---	Moderate	Moderate	High
Marla	---	---	---	---	---	---	Moderate	High	Moderate
7442:									
Christopher loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Gefo gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Jabu	Fragipan Dense material	39-79 59-79	8-39	Noncemented	---	---	Moderate	Moderate	Moderate
Oneidas	Fragipan	10-20	10-69	Noncemented	---	---	Moderate	Moderate	High
Marla	---	---	---	---	---	---	Moderate	High	Moderate
7443:									
Christopher gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Gefo gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Jabu	Fragipan Dense material	39-79 59-79	8-39	Noncemented	---	---	Moderate	Moderate	Moderate
Oneidas	Fragipan	10-20	10-69	Noncemented	---	---	Moderate	Moderate	High
Marla	---	---	---	---	---	---	Moderate	High	Moderate
7444:									
Christopher loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Gefo gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Jabu	Fragipan Dense material	39-79 59-79	8-39	Noncemented	---	---	Moderate	Moderate	Moderate
Marla	---	---	---	---	---	---	Moderate	High	Moderate
Oneidas	Fragipan	10-20	10-69	Noncemented	---	---	Moderate	Moderate	High

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7444:									
Ubaj	---	---	---	---	---	---	Moderate	Moderate	Moderate
7451:									
Gefo gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Christopher loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Jabu	Fragipan Dense material	39-79 59-79	8-39	Noncemented	---	---	Moderate	Moderate	Moderate
Oneidas	Fragipan	10-20	10-69	Noncemented	---	---	Moderate	Moderate	High
Marla	---	---	---	---	---	---	Moderate	High	Moderate
7452:									
Gefo gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Christopher loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Jabu	Fragipan Dense material	39-79 59-79	8-39	Noncemented	---	---	Moderate	Moderate	Moderate
Oneidas	Fragipan	10-20	10-69	Noncemented	---	---	Moderate	Moderate	High
Marla	---	---	---	---	---	---	Moderate	High	Moderate
7461:									
Jabu	Fragipan Dense material	39-79 59-79	8-39	Noncemented	---	---	Moderate	Moderate	Moderate
Christopher loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Oneidas	Fragipan	10-20	10-69	Noncemented	---	---	Moderate	Moderate	High
Gefo gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Marla	---	---	---	---	---	---	Moderate	High	Moderate
7462:									
Jabu	Fragipan Dense material	39-79 59-79	8-39	Noncemented	---	---	Moderate	Moderate	Moderate
Christopher loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7462:									
Oneidas	Fragipan	10-20	10-69	Noncemented	---	---	Moderate	Moderate	High
Gefo gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Marla	---	---	---	---	---	---	Moderate	High	Moderate
7471:									
Marla	---	---	---	---	---	---	Moderate	High	Moderate
Christopher loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Gefo gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Tahoe silt loam	---	---	---	---	---	---	High	High	High
Ubaj	---	---	---	---	---	---	Moderate	Moderate	Moderate
Watah	---	---	---	---	4-8	8-16	High	High	Low
7481:									
Meeks, stony	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Celio	Duripan	39-59	0-3	Strongly cemented	---	---	Moderate	High	Moderate
Gefo gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Tahoe, gravelly	---	---	---	---	---	---	High	High	High
7482:									
Meeks, stony	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Oneidas	Fragipan	10-20	10-69	Noncemented	---	---	Moderate	Moderate	High
Celio	Duripan	39-59	0-3	Strongly cemented	---	---	Moderate	High	Moderate
7483:									
Meeks, very stony	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7483:									
Celio	Duripan	39-59	0-3	Strongly cemented	---	---	Moderate	High	Moderate
Jabu	Fragipan Dense material	39-79 59-79	8-39	Noncemented	---	---	Moderate	Moderate	Moderate
7484:									
Meeks, extremely bouldery	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Burnlake	---	---	---	---	---	---	Moderate	Moderate	Low
Meeks, rubbly	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Dagget, moist	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Tallac, very stony	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Roadcat	---	---	---	---	---	---	Low	Moderate	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
Jabu	Fragipan Dense material	39-79 59-79	8-39	Noncemented	---	---	Moderate	Moderate	Moderate
7485:									
Meeks, extremely bouldery	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Burnlake	---	---	---	---	---	---	Moderate	Moderate	Low
Meeks, rubbly	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Dagget, moist	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Tallac, very stony	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Roadcat	---	---	---	---	---	---	Low	Moderate	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
Jabu	Fragipan Dense material	39-79 59-79	8-39	Noncemented	---	---	Moderate	Moderate	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7486:									
Meeks, extremely bouldery	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Burnlake	---	---	---	---	---	---	Moderate	Moderate	Low
Meeks, rubbly	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Dagget, moist	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Tallac, very stony	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Roadcat	---	---	---	---	---	---	Low	Moderate	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
Jabu	Fragipan Dense material	39-79 59-79	8-39	Noncemented	---	---	Moderate	Moderate	Moderate
7487:									
Meeks, rubbly	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Burnlake	---	---	---	---	---	---	Moderate	Moderate	Low
Rockbound very gravelly loam	Lithic bedrock	7-20	---	Indurated	---	---	Moderate	Low	Moderate
Roadcat	---	---	---	---	---	---	Low	Moderate	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
Rock outcrop.									
Rubble land.									
7488:									
Meeks, rubbly	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Burnlake	---	---	---	---	---	---	Moderate	Moderate	Low
Rockbound very gravelly loam	Lithic bedrock	7-20	---	Indurated	---	---	Moderate	Low	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7488:									
Roadcat	---	---	---	---	---	---	Low	Moderate	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
Rock outcrop.									
Rubble land.									
7489:									
Meeks, rubbly	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Burnlake	---	---	---	---	---	---	Moderate	Moderate	Low
Rockbound very stony loam	Lithic bedrock	7-20	---	Indurated	---	---	Moderate	Low	Moderate
Roadcat	---	---	---	---	---	---	Low	Moderate	Moderate
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Rock outcrop.									
Rubble land.									
Toem	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
7491:									
Oneidas	Fragipan	10-20	10-69	Noncemented	---	---	Moderate	Moderate	High
Jabu	Fragipan Dense material	39-79 59-79	8-39	Noncemented	---	---	Moderate	Moderate	Moderate
Christopher loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7491:									
Meeks, stony	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Gefo gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Marla	---	---	---	---	---	---	Moderate	High	Moderate
7492:									
Oneidas	Fragipan	10-20	10-69	Noncemented	---	---	Moderate	Moderate	High
Jabu	Fragipan Dense material	39-79 59-79	8-39	Noncemented	---	---	Moderate	Moderate	Moderate
Christopher loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Meeks, stony	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Gefo gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Marla	---	---	---	---	---	---	Moderate	High	Moderate
7500:									
Rock outcrop, granitic	Lithic bedrock	0	---	---	---	---	---	---	---
Rockbound very stony loam	Lithic bedrock	7-20	---	Indurated	---	---	Moderate	Low	Moderate
Rubble land.									
Toem	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
Windyridge	Paralithic bedrock	4-10	---	Weakly cemented	---	---	Low	High	High
Freelpeak	Paralithic bedrock	20-40	---	Moderately cemented	---	---	Low	Moderate	Moderate
Jobsis	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	High	High
7501:									
Rock outcrop, granitic.									
Rockbound very gravelly loam	Lithic bedrock	7-20	---	Indurated	---	---	Moderate	Low	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7501:									
Dagget, moist	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Meeks, rubbly	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Temo	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Witefels	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
7502:									
Rock outcrop, granitic.									
Rockbound very stony loam	Lithic bedrock	7-20	---	Indurated	---	---	Moderate	Low	Moderate
Dagget, moist	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Glenalpine	Dense material	39-59	---	Noncemented	---	---	Moderate	Low	Low
Rubble land.									
Temo	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Witefels	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
7511:									
Shalgran	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	Moderate	Moderate
Rock outcrop.									
Sofgran	Paralithic bedrock	60-80	---	Moderately cemented	---	---	Low	High	High
Dystric Xerorthents	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Moderate
Burnlake	---	---	---	---	---	---	Moderate	Moderate	Low

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7511:									
Jobsis	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	High	High
Temo	Paralithic bedrock	8-20	---	Weakly cemented	---	---	Low	Moderate	Moderate
7521:									
Tallac, very stony	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Tallac, rubbly	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Tallac, moderately well drained	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Meeks, extremely bouldery	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
7522:									
Tallac, very stony	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Meeks, extremely bouldery	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Dagget, moist	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Rockbound very gravelly loam	Lithic bedrock	7-20	---	Indurated	---	---	Moderate	Low	Moderate
7523:									
Tallac, very stony	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Meeks, extremely bouldery	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7523:									
Cassenai gravelly loamy coarse sand---	---	---	---	---	---	---	Low	Low	Moderate
Dagget, moist---	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Rockbound very stony loam---	Lithic bedrock	7-20	---	Indurated	---	---	Moderate	Low	Moderate
7524:									
Tallac, moderately well drained---	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Tallac, moderately well drained, 5 to 9 percent slopes---	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Meeks, very stony---	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Callat---	Dense material	20-39	4-17	Noncemented	---	---	Moderate	Moderate	Moderate
Tahoe, gravelly---	---	---	---	---	---	---	High	High	High
7525:									
Tallac, moderately well drained---	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Tallac, moderately well drained, 0 to 5 percent slopes---	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Meeks, extremely bouldery---	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Callat---	Dense material	20-39	4-17	Noncemented	---	---	Moderate	Moderate	Moderate
Tahoe, gravelly---	---	---	---	---	---	---	High	High	High
7526:									
Tallac, rubbly---	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Tallac, moderately well drained---	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Tallac, very stony---	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Aquic Xerorthents---	---	---	---	---	---	---	Moderate	High	Moderate
7531:									
Toem---	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
Rock outcrop, granitic---	Lithic bedrock	0	---	---	---	---	---	---	---

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7531:									
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
7532:									
Toem	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
Rock outcrop, granitic	Lithic bedrock	0	---	---	---	---	---	---	---
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Dagget very gravelly loamy coarse sand	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
7533:									
Toem	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
Rock outcrop, granitic	Lithic bedrock	0	---	---	---	---	---	---	---
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Cassenai gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
7541:									
Ubaj	---	---	---	---	---	---	Moderate	Moderate	Moderate
Christopher loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate
Jabu	Fragipan Dense material	39-79 59-79	8-39	Noncemented	---	---	Moderate	Moderate	Moderate
Oneidas	Fragipan	10-20	10-69	Noncemented	---	---	Moderate	Moderate	High
Gefo gravelly loamy coarse sand	---	---	---	---	---	---	Low	Low	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
7541:									
Marla	---	---	---	---	---	---	Moderate	High	Moderate
9001:									
Bidart mucky silt loam	---	---	---	---	---	---	High	High	High
Bidart, wet	---	---	---	---	---	---	High	High	High
Tahoe, gravelly	---	---	---	---	---	---	High	High	High
Tahoe silt loam	---	---	---	---	---	---	High	High	High
Watah	---	---	---	---	4-8	8-16	High	High	Low
Water.									
Hellhole	---	---	---	---	39-79	98-138	High	Moderate	High
9011:									
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
Aquic Xerorthents	---	---	---	---	---	---	Moderate	High	Moderate
Tahoe, gravelly	---	---	---	---	---	---	High	High	High
Bidart mucky silt loam	---	---	---	---	---	---	High	High	High
Watah	---	---	---	---	4-8	8-16	High	High	Low
Marla	---	---	---	---	---	---	Moderate	High	Moderate
Riverwash.									
9101:									
Callat	Dense material	20-39	4-17	Noncemented	---	---	Moderate	Moderate	Moderate
Glenalpine	Dense material	39-59	---	Noncemented	---	---	Moderate	Low	Low
Meeks, extremely bouldery	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Tallac, very stony	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Rock outcrop.									
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
9102:									
Callat	Dense material	20-39	4-17	Noncemented	---	---	Moderate	Moderate	Moderate
Glenalpine	Dense material	39-59	---	Noncemented	---	---	Moderate	Low	Low
Meeks, extremely bouldery	Duripan	41-73	4-17	Weakly cemented	---	---	Low	Low	Moderate
Tallac, very stony	Duripan	39-71	4-17	Weakly cemented	---	---	Moderate	Moderate	Moderate
Rock outcrop.									
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
9111:									
Florand	Paralithic bedrock	40-60	---	Moderately cemented	---	---	Moderate	High	High
Lostridge	Paralithic bedrock	20-40	---	Moderately cemented	---	---	Moderate	High	High
Fishsnooze	Lithic bedrock	20-40	---	Indurated	---	---	Moderate	High	High
Aquic Haplocryolls	---	---	---	---	---	---	Moderate	Moderate	Low
Lithnip, moist	Lithic bedrock	4-10	---	Indurated	---	---	Moderate	Moderate	Low
Stumpatil	---	---	---	---	---	---	Moderate	Moderate	Moderate
Lithnip	Lithic bedrock	4-10	---	Indurated	---	---	Moderate	Moderate	Low
Morscour	Paralithic bedrock	4-10	---	Moderately cemented	---	---	Moderate	Moderate	Moderate
Typic Cryaquolls	---	---	---	---	---	---	High	Moderate	Moderate
9121:									
Watsonlake	Lithic bedrock	59-79	---	Indurated	---	---	Moderate	Low	Moderate
Jorge very cobbly fine sandy loam	---	---	---	---	---	---	Moderate	Low	Moderate
Sky	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	High	Moderate
Tahoma	Lithic bedrock	40-80	---	Very strongly cemented	---	---	Moderate	High	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
9121:									
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
Rock outcrop.									
9122:									
Watsonlake	Lithic bedrock	59-79	---	Indurated	---	---	Moderate	Low	Moderate
Jorge very cobbly fine sandy loam	---	---	---	---	---	---	Moderate	Low	Moderate
Tahoma	Lithic bedrock	40-80	---	Very strongly cemented	---	---	Moderate	High	Moderate
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Sky	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	High	Moderate
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
Rock outcrop.									
9123:									
Watsonlake	Lithic bedrock	59-79	---	Indurated	---	---	Moderate	Low	Moderate
Jorge very cobbly fine sandy loam	---	---	---	---	---	---	Moderate	Low	Moderate
Tahoma	Lithic bedrock	40-80	---	Very strongly cemented	---	---	Moderate	High	Moderate
Waca	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	Low	Moderate
Sky	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	High	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
9123:									
Ellispeak	Lithic bedrock	10-20	---	Very strongly cemented	---	---	Moderate	Low	Moderate
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
Rock outcrop.									
9131:									
Lithnip	Lithic bedrock	4-10	---	Indurated	---	---	Moderate	Moderate	Low
Meiss	Lithic bedrock	10-20	---	Indurated	---	---	Moderate	Low	Moderate
Hawkinspeak	Lithic bedrock	20-40	---	Indurated	---	---	Moderate	Moderate	Low
Lostridge	Paralithic bedrock	20-40	---	Moderately cemented	---	---	Moderate	High	High
Fishsnooze	Lithic bedrock	20-40	---	Indurated	---	---	Moderate	High	High
Rock outcrop.									
Hawkinspeak, moist	Lithic bedrock	20-40	---	Indurated	---	---	Moderate	Moderate	Low
Aspocket	Paralithic bedrock	40-60	---	Moderately cemented	---	---	Moderate	Moderate	Low
Hawkridge	Lithic bedrock	7-14	---	Indurated	---	---	Moderate	Moderate	Low
Typic Cryaquolls	---	---	---	---	---	---	High	Moderate	Moderate
9141:									
Melody	Lithic bedrock	10-20	---	Strongly cemented	---	---	Moderate	High	Moderate
Rock outcrop, volcanic.									
Sky	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	High	Moderate
Mountrose	---	---	---	---	---	---	Moderate	High	Moderate
Wardcreek	Lithic bedrock	20-39	---	Indurated	---	---	Moderate	High	High
Lithnip	Lithic bedrock	4-10	---	Indurated	---	---	Moderate	Moderate	Low

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
9141:									
Meiss	Lithic bedrock	10-20	---	Indurated	---	---	Moderate	Low	Moderate
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
9142:									
Melody	Lithic bedrock	10-20	---	Strongly cemented	---	---	Moderate	High	Moderate
Rock outcrop, volcanic.									
Sky	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	High	Moderate
Mountrose	---	---	---	---	---	---	Moderate	High	Moderate
Wardcreek	Lithic bedrock	20-39	---	Indurated	---	---	Moderate	High	High
Lithnip	Lithic bedrock	4-10	---	Indurated	---	---	Moderate	Moderate	Low
Meiss	Lithic bedrock	10-20	---	Indurated	---	---	Moderate	Low	Moderate
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
9143:									
Melody	Lithic bedrock	10-20	---	Strongly cemented	---	---	Moderate	High	Moderate
Rock outcrop, volcanic.									
Sky	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	High	Moderate
Mountrose	---	---	---	---	---	---	Moderate	High	Moderate
Wardcreek	Lithic bedrock	20-39	---	Indurated	---	---	Moderate	High	High
Lithnip	Lithic bedrock	4-10	---	Indurated	---	---	Moderate	Moderate	Low
Meiss	Lithic bedrock	10-20	---	Indurated	---	---	Moderate	Low	Moderate
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
9151:									
Shakespeare	---	---	---	---	---	---	Moderate	Moderate	Moderate
Deerhill	---	---	---	---	---	---	Moderate	Low	Low

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
9151:									
Mountrose	---	---	---	---	---	---	Moderate	High	Moderate
Melody	Lithic bedrock	10-20	---	Strongly cemented	---	---	Moderate	High	Moderate
Wardcreek	Lithic bedrock	20-39	---	Indurated	---	---	Moderate	High	High
Dagget very gravelly loamy coarse sand	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
Temo	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Witefels	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
9152:									
Shakespeare	---	---	---	---	---	---	Moderate	Moderate	Moderate
Deerhill	---	---	---	---	---	---	Moderate	Low	Low
Mountrose	---	---	---	---	---	---	Moderate	High	Moderate
Melody	Lithic bedrock	10-20	---	Strongly cemented	---	---	Moderate	High	Moderate
Wardcreek	Lithic bedrock	20-39	---	Indurated	---	---	Moderate	High	High
Dagget very gravelly loamy coarse sand	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
Temo	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Witefels	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
9161:									
Sky	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	High	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
9161:									
Melody	Lithic bedrock	10-20	---	Strongly cemented	---	---	Moderate	High	Moderate
Mountrose	---	---	---	---	---	---	Moderate	High	Moderate
Wardcreek	Lithic bedrock	20-39	---	Indurated	---	---	Moderate	High	High
Lithnip	Lithic bedrock	4-10	---	Indurated	---	---	Moderate	Moderate	Low
Meiss	Lithic bedrock	10-20	---	Indurated	---	---	Moderate	Low	Moderate
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
9162:									
Sky	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	High	Moderate
Melody	Lithic bedrock	10-20	---	Strongly cemented	---	---	Moderate	High	Moderate
Mountrose	---	---	---	---	---	---	Moderate	High	Moderate
Wardcreek	Lithic bedrock	20-39	---	Indurated	---	---	Moderate	High	High
Lithnip	Lithic bedrock	4-10	---	Indurated	---	---	Moderate	Moderate	Low
Meiss	Lithic bedrock	10-20	---	Indurated	---	---	Moderate	Low	Moderate
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
9163:									
Sky	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	High	Moderate
Melody	Lithic bedrock	10-20	---	Strongly cemented	---	---	Moderate	High	Moderate
Mountrose	---	---	---	---	---	---	Moderate	High	Moderate
Wardcreek	Lithic bedrock	20-39	---	Indurated	---	---	Moderate	High	High
Lithnip	Lithic bedrock	4-10	---	Indurated	---	---	Moderate	Moderate	Low
Meiss	Lithic bedrock	10-20	---	Indurated	---	---	Moderate	Low	Moderate
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
9164:									
Sky	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	High	Moderate
Melody	Lithic bedrock	10-20	---	Strongly cemented	---	---	Moderate	High	Moderate
Mountrose	---	---	---	---	---	---	Moderate	High	Moderate
Wardcreek	Lithic bedrock	20-39	---	Indurated	---	---	Moderate	High	High
Lithnip	Lithic bedrock	4-10	---	Indurated	---	---	Moderate	Moderate	Low
Meiss	Lithic bedrock	10-20	---	Indurated	---	---	Moderate	Low	Moderate
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
9165:									
Sky	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	High	Moderate
Melody	Lithic bedrock	10-20	---	Strongly cemented	---	---	Moderate	High	Moderate
Mountrose	---	---	---	---	---	---	Moderate	High	Moderate
Wardcreek	Lithic bedrock	20-39	---	Indurated	---	---	Moderate	High	High
Lithnip	Lithic bedrock	4-10	---	Indurated	---	---	Moderate	Moderate	Low
Meiss	Lithic bedrock	10-20	---	Indurated	---	---	Moderate	Low	Moderate
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
9166:									
Sky	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	High	Moderate
Melody	Lithic bedrock	10-20	---	Strongly cemented	---	---	Moderate	High	Moderate
Mountrose	---	---	---	---	---	---	Moderate	High	Moderate
Wardcreek	Lithic bedrock	20-39	---	Indurated	---	---	Moderate	High	High
Lithnip	Lithic bedrock	4-10	---	Indurated	---	---	Moderate	Moderate	Low
Meiss	Lithic bedrock	10-20	---	Indurated	---	---	Moderate	Low	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
9166:									
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
9171:									
Mountrose	---	---	---	---	---	---	Moderate	High	Moderate
Wardcreek	Lithic bedrock	20-39	---	Indurated	---	---	Moderate	High	High
Melody	Lithic bedrock	10-20	---	Strongly cemented	---	---	Moderate	High	Moderate
Meiss	Lithic bedrock	10-20	---	Indurated	---	---	Moderate	Low	Moderate
Rock outcrop.									
Rubble land.									
Sky	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Moderate	High	Moderate
9401:									
Dagget very gravelly loamy coarse sand	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Temo	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Witefels	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
Jobsis	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	High	High
Rock outcrop.									
Whittell	Paralithic bedrock	20-40	---	Moderately cemented	---	---	Low	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Cassenai, moist	---	---	---	---	---	---	Low	Low	Moderate
Toem	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
9401:									
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
9402:									
Dagget very gravelly loamy coarse sand	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Temo	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Witefels	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
Jobsis	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	High	High
Rock outcrop.									
Whittell	Paralithic bedrock	20-40	---	Moderately cemented	---	---	Low	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Cassenai, moist	---	---	---	---	---	---	Low	Low	Moderate
Toem	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
9403:									
Dagget very gravelly loamy coarse sand	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Temo	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Witefels	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
Jobsis	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	High	High

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
9403:									
Rock outcrop.									
Whittell	Paralithic bedrock	20-40	---	Moderately cemented	---	---	Low	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Cassenai, moist	---	---	---	---	---	---	Low	Low	Moderate
Toem	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Low	Moderate
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
9404:									
Dagget, moist	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Cassenai, moist	---	---	---	---	---	---	Low	Low	Moderate
Rockbound very gravelly loam	Lithic bedrock	7-20	---	Indurated	---	---	Moderate	Low	Moderate
Jobsis	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	High	High
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
Temo	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Whittell	Paralithic bedrock	20-40	---	Moderately cemented	---	---	Low	Low	Moderate
Witefels	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
9405:									
Dagget, moist	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Cassenai, moist	---	---	---	---	---	---	Low	Low	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
9405:									
Rockbound very gravelly loam----------	Lithic bedrock	7-20	---	Indurated	---	---	Moderate	Low	Moderate
Jobsis----------	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	High	High
Oxyaquic Cryorthents----------	---	---	---	---	---	---	Low	Moderate	Moderate
Temo----------	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Whittell----------	Paralithic bedrock	20-40	---	Moderately cemented	---	---	Low	Low	Moderate
Witefels----------	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
9406:									
Dagget, moist----------	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Cassenai, moist----------	---	---	---	---	---	---	Low	Low	Moderate
Rockbound very stony loam----------	Lithic bedrock	7-20	---	Indurated	---	---	Moderate	Low	Moderate
Jobsis----------	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	High	High
Oxyaquic Cryorthents----------	---	---	---	---	---	---	Low	Moderate	Moderate
Temo----------	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Whittell----------	Paralithic bedrock	20-40	---	Moderately cemented	---	---	Low	Low	Moderate
Witefels----------	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
9407:									
Dagget, moist----------	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Rock outcrop, granitic.									

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
9407:									
Temo	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Witefels	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
Whittell	Paralithic bedrock	20-40	---	Moderately cemented	---	---	Low	Low	Moderate
Cassenai, moist	---	---	---	---	---	---	Low	Low	Moderate
Jobsis	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	High	High
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
9411:									
Freelpeak	Paralithic bedrock	20-40	---	Moderately cemented	---	---	Low	Moderate	Moderate
Windyridge	Paralithic bedrock	4-10	---	Weakly cemented	---	---	Low	High	High
Rock outcrop.									
Jobsis	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	High	High
Whittell	Paralithic bedrock	20-40	---	Moderately cemented	---	---	Low	Low	Moderate
Waterpeak	Paralithic bedrock	60-80	---	Moderately cemented	---	---	Low	Moderate	Low
Buggin	Paralithic bedrock	10-14	---	Moderately cemented	---	---	Low	Moderate	Moderate
Glaciers.									
9421:									
Jobsis	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	High	High

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
9421:									
Whittell	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
Rock outcrop.									
Typic Cryorthents, 8 to 30 percent slopes	Paralithic bedrock	40-60	---	Weakly cemented	---	---	Low	High	High
Windyridge	Paralithic bedrock	4-10	---	Weakly cemented	---	---	Low	High	High
Klauspeak	Paralithic bedrock	60-80	---	Moderately cemented	---	---	Low	Moderate	Moderate
Shalgran	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	Moderate	Moderate
Buggin	Paralithic bedrock	10-14	---	Moderately cemented	---	---	Low	Moderate	Moderate
Typic Cryorthents, 4 to 30 percent slopes	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	High	High
Waterpeak	Paralithic bedrock	60-80	---	Moderately cemented	---	---	Low	Moderate	Low
9431:									
Sofgran	Paralithic bedrock	60-80	---	Moderately cemented	---	---	Low	High	High
Klauspeak	Paralithic bedrock	60-80	---	Moderately cemented	---	---	Low	Moderate	Moderate
Temo	Paralithic bedrock	8-20	---	Weakly cemented	---	---	Low	Moderate	Moderate
Rock outcrop.									
Shalgran	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	Moderate	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
9431:									
Xeric Humicryepts	Paralithic bedrock	60-80	---	Moderately cemented	---	---	Low	Moderate	Moderate
Stumpatil	---	---	---	---	---	---	Moderate	Moderate	Moderate
Aquic Haplocryolls	---	---	---	---	---	---	Moderate	Moderate	Low
Hopeval	---	---	---	---	---	---	High	Moderate	Moderate
9441:									
Temo	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Witefels	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
Rock outcrop.									
Dagget very gravelly loamy coarse sand	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
9442:									
Temo	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Witefels	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
Rock outcrop.									
Dagget very gravelly loamy coarse sand	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
9443:									
Temo	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Witefels	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
Rock outcrop.									
Dagget very gravelly loamy coarse sand	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
9444:									
Temo	Paralithic bedrock	10-20	---	Moderately cemented	---	---	Low	Moderate	Low
Witefels	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
Rock outcrop.									
Dagget very gravelly loamy coarse sand	Paralithic bedrock	39-59	---	Moderately cemented	---	---	Low	Low	Moderate
Cagwin	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Moderate	Low
Oxyaquic Cryorthents	---	---	---	---	---	---	Low	Moderate	Moderate
9451:									
Waterpeak	Paralithic bedrock	60-80	---	Moderately cemented	---	---	Low	Moderate	Low
Rock outcrop.									
Shalgran	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	Moderate	Moderate

Table 25.--Soil Features--Continued

Map symbol and component name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
9451:									
Typic Cryorthents	Paralithic bedrock	39-60	---	Weakly cemented	---	---	Low	High	High
Pachic Haplocryolls	Paralithic bedrock	60-80	---	Moderately cemented	---	---	Low	Moderate	Low
9461:									
Whittell	Paralithic bedrock	20-39	---	Moderately cemented	---	---	Low	Low	Moderate
Jobsis	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	High	High
Rock outcrop.									
Jobsis, 8 to 30 percent slopes	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	High	High
Windyridge	Paralithic bedrock	4-10	---	Weakly cemented	---	---	Low	High	High
Klauspeak	Paralithic bedrock	60-80	---	Moderately cemented	---	---	Low	Moderate	Moderate
Shalgran	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	Moderate	Moderate
Buggin	Paralithic bedrock	10-14	---	Moderately cemented	---	---	Low	Moderate	Moderate
Typic Cryorthents	Paralithic bedrock	10-20	---	Weakly cemented	---	---	Low	High	High
Waterpeak	Paralithic bedrock	60-80	---	Moderately cemented	---	---	Low	Moderate	Low
W. Water									

Table 26.--Classification of the Soils

Soil name	Family or higher taxonomic class
Aquic Xerorthents	Aquic Xerorthents
Bidart	Coarse-loamy, mixed, superactive, acid Fluvaquentic Cryaquepts
Burnlake	Loamy-skeletal, mixed, superactive, frigid Humic Dystroxerepts
Cagwin	Mixed, frigid Dystric Xeropsamments
Callat	Loamy-skeletal, isotic Xeric Humicryepts
Cassenai	Mixed, frigid Dystric Xeropsamments
Caverock	Coarse-loamy, isotic, frigid Humic Dystroxerepts
Celio	Sandy-skeletal, mixed, frigid Oxyaquic Dystroxerepts
Christopher	Mixed, frigid Dystric Xeropsamments
Dagget	Sandy-skeletal, mixed Typic Cryorthents
Deerhill	Fine-loamy, isotic, frigid Ultic Palexeralfs
Ellispeak	Loamy-skeletal, isotic, frigid Lithic Haploxerolls
Fishsnooze	Loamy-skeletal, isotic Xeric Humicryepts
Florand	Loamy-skeletal, isotic Xeric Humicryepts
Freelpeak	Sandy-skeletal, mixed Typic Cryorthents
Gefo	Sandy, mixed, frigid Humic Dystroxerepts
Genoapeak	Fragmental, mixed, frigid Dystric Xerorthents
Glenalpine	Loamy-skeletal, isotic, frigid Humic Dystroxerepts
Hawkinspeak	Loamy-skeletal, mixed, superactive Pachic Argicryolls
Hellhole	Euic, frigid Typic Sphagnofibrists
Inville	Loamy-skeletal, isotic, frigid Ultic Haploxeralfs
Jabu	Coarse-loamy, mixed, superactive, frigid Ultic Haploxeralfs
Jobsis	Sandy-skeletal, mixed, shallow Typic Cryorthents
Jorge	Loamy-skeletal, isotic, frigid Andic Haploxeralfs
Kingsbeach	Fine-loamy, isotic, frigid Ultic Palexeralfs
Klauspeak	Sandy-skeletal, mixed Xeric Humicryepts
Kneeridge	Medial, mixed, frigid Humic Vitrixerands
Lithnip	Loamy-skeletal, isotic, nonacid Lithic Cryorthents
Lostridge	Loamy-skeletal, isotic Xeric Humicryepts
Marla	Sandy, mixed, frigid Aquic Dystroxerepts
Meeks	Sandy-skeletal, mixed, frigid Humic Dystroxerepts
Meiss	Loamy, isotic Lithic Humicryepts
Melody	Ashy-skeletal, mixed Lithic Vitricryands
Mountrose	Medial-skeletal, amorphic Xeric Vitricryands
Oneidas	Coarse-loamy, mixed, active, frigid Fragiaquic Haploxeralfs
Oxyaquic Cryorthents	Oxyaquic Cryorthents
Oxyaquic Xerorthents	Oxyaquic Xerorthents
Paige	Medial, mixed, frigid Humic Vitrixerands
Roadcat	Sandy-skeletal, mixed, frigid Typic Haploxerepts
Rockbound	Sandy-skeletal, mixed, frigid Lithic Xerorthents
Shakespeare	Loamy-skeletal, mixed, superactive Xeric Haplocryalfs
Shalgran	Sandy-skeletal, mixed, frigid, shallow Dystric Xerorthents
Sky	Medial-skeletal, amorphic Humic Xeric Vitricryands
Sofgran	Sandy-skeletal, mixed Typic Cryorthents
Southcamp	Loamy-skeletal, isotic, frigid Ultic Palexeralfs
Tahoe	Coarse-loamy, mixed, superactive, acid, frigid Cumulic Humaquepts
Tahoma	Fine-loamy, isotic, frigid Ultic Haploxeralfs
Tallac	Loamy-skeletal, mixed, superactive, frigid Humic Dystroxerepts
Temo	Mixed, shallow Typic Cryopsamments
Toem	Mixed, frigid, shallow Dystric Xeropsamments
Ubaj	Fine-loamy, mixed, superactive, frigid Ultic Haploxeralfs
Waca	Medial-skeletal, amorphic, frigid Humic Vitrixerands
Wardcreek	Ashy-skeletal, amorphic Xeric Vitricryands
Watah	Coarse-loamy, mixed, superactive, acid, frigid Histic Humaquepts
Waterpeak	Sandy-skeletal, mixed Pachic Haplocryolls
Watsonlake	Loamy-skeletal, isotic Andic Haplocryalfs
Whittell	Sandy-skeletal, mixed Typic Cryorthents
Windyridge	Sandy-skeletal, mixed, shallow Typic Cryorthents
Witefels	Mixed Typic Cryopsamments
Zephyrcove	Coarse-loamy, isotic, frigid Ultic Haploxeralfs

Appendices

Appendix 1.--Index of Common and Scientific Plant Names and Plant Symbols

(The plant synonymy listed in this Appendix 1s in accordance with the USDA-NRCS National Plants Database (http://plants.usda.gov/) at the time of publication)

Local common name	Scientific name	Plant symbol
alpine aster	Aster alpinus	ASAL3
American bistort	Polygonum bistortoides	POBI6
antelope bitterbrush	Purshia tridentata	PUTR2
arrowleaf balsamroot	Balsamorhiza sagittata	BASA3
arrowleaf ragwort	Senecio triangularis	SETR
Ashland cinquefoil	Potentilla glandulosa ssp. ashlandica	POGLA2
aster	Aster	ASTER
Baltic rush	Juncus balticus	JUBA
barley	Hordeum spp.	HORDE
bastardsage	Eriogonum wrightii	ERWR
bentgrass	Agrostis spp.	AGROS2
big sagebrush	Artemisia tridentata	ARTR2
big squirreltail	Elymus multisetus	ELMU3
bigleaf lupine	Lupinus polyphyllus	LUPO2
bitter cherry	Prunus emarginata	PREM
blister sedge	Carex vesicaria	CAVE6
blue wildrye	Elymus glaucus	ELGL
bluegrass	Poa glauca	POGL
bluegrass	Poa spp.	POA
bog bluberry	Vaccinium uliginosum	VAUL
bog laurel	Kalmia polifolia	KAPO
bottlebrush squirreltail	Elymus elymoides	ELEL5
Brewer's angelica	Angelica breweri	ANBR5
Brewer's aster	Eucephalus breweri	EUBR12
Brewer's fleabane	Erigeron breweri	ERBR4
Brewer's lupine	Lupinus breweri	LUBR3
brome	Bromus spp.	BROMU
Brown's peony	Paeonia brownii	PABR
buckwheat	Eriogonum spp.	ERIOG
bush chinquapin	Chrysolepis sempervirens	CHSE11
California brome	Bromus carinatus	BRCA5
California false hellebore	Veratrum californicum var. californicum	VECAC2
California red fir	Abies magnifica	ABMA
carex	Carex spp.	CAREX
catchfly	Silene spp.	SILEN
ceanothus	Ceanothus spp.	CEANO
checkerbloom	Sidalcea spp.	SIDAL
clover	Trifolium spp.	TRIFO
comb draba	Draba oligosperma var. oligosperma	DROL
common chokecherry	Prunus virginiana	PRVI
common yarrow	Achillea millefolium	ACMI2
creeping bentgrass	Agrostis stolonifera	AGST2
creeping snowberry	Symphoricarpos mollis	SYMO
creeping wildrye	Leymus triticoides	LETR5
curl-leaf mountain mahogany	Cercocarpus ledifolius	CELE3
currant	Ribes spp.	RIBES
cushion phlox	Phlox condensata	PHCO11
daisy	Erigeron spp.	ERIGE2
Douglas' sagewort	Artemisia douglasiana	ARDO3
dusky onion	Allium campanulatum	ALCA2
dwarf alpine Indian paintbrush	Castilleja nana	CANA3
false Solomon's seal	Maianthemum spp.	MAIAN
Fendler's meadow-rue	Thalictrum fendleri	THFE
fireweed	Chamerion angustifolium ssp. circumvagum	CHANC
fringed willowherb	Epilobium ciliatum	EPCI
frosted buckwheat	Eriogonum incanum	ERIN9
Geyer's willow	Salix geyeriana	SAGE2
giant red Indian paintbrush	Castilleja miniata	CAMI12
goldenweed	Pyrrocoma	PYRRO
gooseberry	Ribes spp.	RIBES
Gray's licorice-root	Ligusticum grayi	LIGR

Appendix 1.--Index of Common and Scientific Plant Names and Plant Symbols--Continued

Local common name	Scientific name	Plant symbol
greenleaf fescue	Festuca viridula	FEVI
greenleaf manzanita	Arctostaphylos patula	ARPA6
hairy arnica	Arnica mollis	ARMO4
Holboell's rockcress	Arabis holboellii	ARHO2
honeysuckle	Lonicera spp.	LONIC
huckleberry oak	Quercus vacciniifolia	QUVA
incense cedar	Calocedrus decurrens	CADE27
Indian ricegrass	Achnatherum hymenoides	ACHY
Jeffrey pine	Pinus jeffreyi	PIJE
Kentucky bluegrass	Poa pratensis	POPR
Lake Tahoe draba	Draba asterophora var. asterophora	DRASA2
lambstongue ragwort	Senecio integerrimus	SEIN2
largeleaf avens	Geum macrophyllum	GEMA4
Lemmon's catchfly	Silene lemmonii	SILE2
Lemmon's willow	Salix lemmonii	SALE
lettuce wirelettuce	Stephanomeria lactucina	STLA
limber pine	Pinus flexilis	PIFL2
little prince's pine	Chimaphila menziesii	CHME
locoweed	Astragalus spp.	ASTRA
lodgepole pine	Pinus contorta	PICO
longspur lupine	Lupinus arbustus	LUAR6
longstalk clover	Trifolium longipes	TRLO
low sagebrush	Artemisia arbuscula	ARAR8
lupine	Lupinus spp.	LUPIN
marumleaf buckwheat	Eriogonum marifolium	ERMA4
mat muhly	Muhlenbergia richardsonis	MURI
meadow barley	Hordeum brachyantherum	HOBR2
melic	Melica spp.	MELIC
milk kelloggia	Kelloggia galioides	KEGA
misc. perennial forbs	Unknown	PPFF
misc. perennial grasses	Unknown	PPGG
misc. shrubs	Unknown	SSSS
mountain big sagebrush	Artemisia tridentata ssp. vaseyana	ARTRV
mountain brome	Bromus marginatus	BRMA4
mountain hemlock	Tsuga mertensiana	TSME
mountain monardella	Monardella odoratissima	MOOD
mountain pride	Penstemon newberryi	PENE3
mountain sedge	Carex scopulorum	CASC12
mountain willow	Salix eastwoodiae	SAEA
moving polemonium	Polemonium californicum	POCA3
Mt. Hood pussypaws	Cistanthe umbellata var. umbellata	CIUMU
muhly	Muhlenbergia spp.	MUHLE
mule-ears	Wyethia amplexicaulis	WYAM
muttongrass	Poa fendleriana	POFE
Nebraska sedge	Carex nebrascensis	CANE2
needlegrass	Achnatherum spp.	ACHNA
Nevada bluegrass	Poa secunda	PONE3
Nevada podistera	Podistera nevadensis	PONE4
Northwest Territory sedge	Carex utriculata	CAUT
oceanspray	Holodiscus discolor	HODI
Oregon checkerbloom	Sidalcea oregana ssp. spicata	SIORS
Parry's rush	Juncus parryi	JUPA
penstemon	Penstemon spp.	PENST
pine needlegrass	Achnatherum pinetorum	ACPI2
pinemat manzanita	Arctostaphylos nevadensis	ARNE
pinewoods lousewort	Pedicularis semibarbata	PESE2
pioneer rockcress	Arabis platysperma	ARPL
ponderosa pine	Pinus ponderosa	PIPO
prairie flax	Linum lewisii	LILE3
prairie junegrass	Koeleria cristata	KOCR
primrose monkeyflower	Mimulus primuloides	MIPR
prostrate ceanothus	Ceanothus prostratus	CEPR
purple mountainheath	Phyllodoce breweri	PHBR4

Appendix 1.--Index of Common and Scientific Plant Names and Plant Symbols--Continued

Local common name	Scientific name	Plant symbol
pussytoes	Antennaria spp.	ANTEN
quaking aspen	Populus tremuloides	POTR5
ragwort	Senecio	SENEC
rockcress	Arabis spp.	ARABI2
rose meadowsweet	Spiraea splendens var. splendens	SPSPS
rose thistle	Cirsium andersonii	CIAN
Ross' sedge	Carex rossii	CARO5
rosy buckwheat	Eriogonum rosense	ERRO
rough bentgrass	Agrostis scabra	AGSC5
roundleaf snowberry	Symphoricarpos rotundifolius	SYRO
rush	Juncus spp.	JUNCU
Sandberg bluegrass	Poa secunda	POSE
sanddune wallflower	Erysimum capitatum var. perenne	ERCAP
Scouler's willow	Salix scouleriana	SASC
sedge	Carex spp.	CAREX
Shasta knotweed	Polygonum shastense	POSH
shining willow	Salix lucida	SALU
Sierra gooseberry	Ribes roezlii	RIRO
Sierra pea	Lathyrus nevadensis	LANE3
Sierra lodgepole pine	Pinus contorta var. murrayana	PICOM
Sierra stickseed	Hackelia nervosa	HANE
Sierra stonecrop	Sedum obtusatum	SEOB
Sierra willow	Salix orestera	SAOR
silverleaf phacelia	Phacelia hastata	PHHA
silvery lupine	Lupinus argenteus	LUAR3
singlehead goldenbush	Ericameria suffruticosa	ERSU13
slender cinquefoil	Potentilla gracilis var. fastigiata	POGRF2
slender wheatgrass	Elymus trachycaulus ssp. trachycaulus	ELTRT
slimstem reedgrass	Calamagrostis stricta	CAST36
snowberry	Symphoricarpos spp.	SYMPH
snowbrush ceanothus	Ceanothus velutinus	CEVE
sphagnum moss	Sphagnum squarrosum	SPSQ70
spikerush	Eleocharis spp.	ELEOC
spreading groundsmoke	Gayophytum diffusum	GADI2
spreading phlox	Phlox diffusa	PHDI3
squirreltail	Elymus elymoides ssp. californicus	ELELC2
straightleaf rush	Juncus orthophyllus	JUOR
sugar pine	Pinus lambertiana	PILA
sulfur-flower buckwheat	Eriogonum umbellatum	ERUM
sweetcicely	Osmorhiza berteroi	OSBE
thickstem aster	Eurybia integrifolia	EUIN9
thinleaf alder	Alnus incana ssp. tenuifolia	ALINT
threadleaf sedge	Carex filifolia	CAFI
timothy	Phleum pratense	PHPR3
Torrey's blue eyed Mary	Collinsia torreyi	COTO
tufted hairgrass	Deschampsia caespitosa	DECA18
Utah service-berry	Amelanchier utahensis	AMUT
Watson's spikemoss	Selaginella watsonii	SEWA2
wavyleaf Indian paintbrush	Castilleja applegatei	CAAP4
wax currant	Ribes cereum	RICE
waxy checkerbloom	Sidalcea glaucescens	SIGL2
western bottle-brush grass	Elymus elymoides	ELEL5
western buttercup	Ranunculus occidentalis	RAOC
western juniper	Juniperus occidentalis	JUOC
western Labrador tea	Ledum glandulosum	LEGL
western mountain aster	Symphyotrichum spathulatum var. spathulatum	SYSPS
western needlegrass	Achnatherum occidentale	ACOC3
western needlegrass	Achnatherum occidentale ssp. occidentale	ACOCO
western serviceberry	Amelanchier utahensis	AMUT
western white pine	Pinus monticola	PIMO3
white fir	Abies concolor	ABCO
whitebark pine	Pinus albicaulis	PIAL
whitestem goldenbush	Ericameria discoidea	ERDI14

Appendix 1.--Index of Common and Scientific Plant Names and Plant Symbols--Continued

Local common name	Scientific name	Plant symbol
whitestem gooseberry	Ribes inerme var. inerme	RIINI
whitethorn ceanothus	Ceanothus cordulatus	CECO
whitevein shinleaf	Pyrola picta	PYPI2
wild mint	Mentha arvensis	MEAR4
wild pea	Lathyrus spp.	LATHY
willow	Salix spp.	SALIX
Woods' rose	Rosa woodsii	ROWO
Woods' rose	Rosa woodsii var. ultramontana	ROWOU
woolly mule-ears	Wyethia mollis	WYMO
yampah	Perideridia spp.	PERID

Appendix 2.--Correlated Ecological Sites

Site ID	Ecological site name
F022AE001CA	Pinus albicaulis/Arabis platysperma
F022AE002CA	Pinus contorta var. murrayana/Salix lemmonii
F022AE004CA	Populus tremuloides-Abies concolor/Elymus glaucus
F022AE005CA	Pinus contorta var. murrayana-Juniperus occidentalis/Ribes/Carex rossii
F022AE006CA	Pinus jeffreyi-Abies concolor/Ceanothus cordulatus-Ceanothus prostratus/Pedicularis semibarbata-Kelloggia galioides
F022AE007CA	Abies concolor-Pinus jeffreyi/Ceanothus cordulatus-Symphoricarpos mollis/Kelloggia galioides
F022AE008CA	Abies magnifica-Abies concolor/Symphoricarpos mollis-Ribes cereum/Eucephalus breweri-Thalictrum fendleri
F022AE009CA	Pinus contorta var. murrayana/Ceanothus cordulatus/Elymus elymoides
F022AE010CA	Abies magnifica-Pinus monticola/Arctostaphylos nevadensis
F022AE011CA	Abies magnifica-Pinus jeffreyi/Symphoricarpos rotundifolius-Ribes cereum/Lupinus argenteus
F022AE013CA	Abies concolor-Pinus lambertiana/Quercus vacciniifolia-Amelanchier utahensis/Pyrola picta
F022AE014CA	Pinus contorta-Tsuga mertensiana/Phyllodoce breweri
F022AE016CA	Pinus contorta-Abies magnifica/Festuca viridula-Lupinus arbustus
F022AE019CA	Tsuga mertensiana-Abies magnifica/Eucephalus breweri
F022AE021CA	Pinus jeffreyi/Purshia tridentata-Arctostaphylos patula
F022AE023CA	Pinus jeffreyi/Arctostaphylos patula-Ceanothus cordulatus/Elymus elymoides
F022AE024CA	Abies concolor-Abies magnifica/Ceanothus velutinus-Ceanothus cordulatus
F022AY102NV	Pinus contorta/Artemisia tridentata ssp. vaseyana-Ribes/Carex-Achnatherum
F022AY103NV	Populus tremuloides/Symphoricarpos/Bromus marginatus-Elymus trachycaulus ssp. trachycaulus
F022AY104NV	Populus tremuloides/Salix-Rosa woodsii/Poa-Elymus trachycaulus ssp. trachycaulus
F022AY105NV	Pinus contorta-Abies magnifica/Artemisia tridentata ssp. vaseyana/Bromus marginatus-Achnatherum occidentale ssp. californicum
F022AY106NV	Pinus contorta-Abies magnifica/Arctostaphylos nevadensis/Achnatherum occidentale ssp. occidentale-Carex rossii
F022AY109NV	Pinus contorta-Tsuga mertensiana/Carex
F022AY114NV	Tsuga mertensiana/Carex-Poa
F022AY116NV	Pinus jeffreyi-Abies concolor var. lowiana/Artemisia tridentata ssp. vaseyana/Achnatherum occidentale ssp. occidentale
F022AY118NV	Abies magnifica-Pinus contorta/Artemisia tridentata ssp. vaseyana/Bromus marginatus-Achnatherum occidentale ssp. occidentale
F022AY120NV	Pinus jeffreyi/Arctostaphylos nevadensis/Achnatherum lettermanii
F022AY121NV	Pinus contorta-Abies magnifica/Artemisia tridentata ssp. tridentata/Achnatherum occidentale ssp. occidentale-Carex rossii
F022AY134NV	Pinus albicaulis/Carex-Poa
R022AE202CA	Granitic Pocket
R022AE203CA	Frigid Loamy Floodplain
R022AE204CA	Sphagnum Fen
R022AE207CA	Cold wet alluvial flat
R022AE208CA	Frigid Loamy Terrace
R022AE209CA	Flooded Basins
R022AE210CA	Shallow Sandy Slope
R022AE211CA	Shallow Andesite Ridge
R022AE213CA	Steep Talus Slope

Appendix 2.--Correlated Ecological Sites--Continued

Site ID	Ecological site name
R022AE214CA	Gravelly Flats
R022AE215CA	Deep Cryic Volcanic Slope
R022AE217CA	Volcanic Slopes
R022AE219CA	Cryic Volcanic Slope
R022AE221CA	Cold Semi-Wet Alluvial Flat
R022AY011NV	Mountain Ridge 30+ p.z.
R022AY012NV	Barren Slope 20+ p.z.
R022AY013NV	Gravelly Outwash
R022AY017NV	Semi-Wet Meadow
R022AY020NV	Prunus Pocket
R022AY021NV	South Slope 30+ p.z.
R022AY024NV	Mahogany Savanna
R022AY025NV	Mahogany Thicket
R022AY031NV	Loamy Slope 30+ p.z.
R022AY032NV	Alpine Ridge
R022AY034NV	Moist Willow
R022AY038NV	Shallow Loam 30+ p.z.
R022AY051NV	Krummholz

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