



**U.S. Department of Agriculture
Forest Service**

National Mapping Program Technical Instructions

Part 1

Template Development and Use

**Standards for USGS and USDA Forest Service
Single Edition Quadrangle Maps**

Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps
Part 1: Template Development and Use

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1. TEMPLATE DEVELOPMENT AND USE

The single edition feature templates were derived from the Standards for 1:24,000-Scale Digital Line Graphs and Quadrangle Maps. Information about attribute coding was either eliminated or rewritten to make it more appropriate for use as a graphic standard.

This part of the standard explains the format, content, and use of the single edition feature templates. See appendix 1-A for instructions on how to use the feature templates during revision.

The following sections explain what is included under each heading in the templates and any global rules that apply throughout the templates. If a rule applies to all of the features, it is considered a global rule. For example, the rule for how to measure a feature to determine if it meets the minimum size for depiction is a global rule. The templates contain exceptions to the global rules or additional information that is unique to the feature. If nothing appears in the template to change a global rule, then the rule applies.

Throughout the templates, if something being described meets the definition and depiction conditions for a feature, the feature name appears in upper case letters; for example, "BRIDGE". Generic names appear in lower case letters to indicate that they may not meet the definition or depiction conditions for that feature.

If there is no applicable information under a heading, it is indicated by "N/A".

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1.1 DEPICTION SPECIFICATIONS

The depiction specifications in the feature templates contain information on what a certain feature is, how the feature is delineated, and when the feature is to be shown. The depiction specifications include:

- 1.1.1 Feature Definitions
- 1.1.2 Characteristics
- 1.1.3 Delineation
- 1.1.4 Depiction Conditions
- 1.1.5 Source Interpretation Guidelines
- 1.1.6 Symbolization

The feature templates are as concise and positive as possible. Each template is meant to stand alone. Therefore, the definitions and characteristics describe what a feature is and what its characteristics are, rather than what it is not or what its characteristics are not. Similarly, the depiction conditions explain when to show a feature, rather than when not to show it. The different characteristics are grouped together by feature, rather than having a separate feature template for each characteristic. If this approach had not been used, the feature templates would have been much longer and more cumbersome.

1.1.1 Feature Definitions

The feature definitions determine what a feature is. The main goal of the feature definitions is to identify the features so that the distinctions between them are clear.

The features and their definitions were developed by studying a variety of sources including: National Mapping Program documentation; the Defense Mapping Agency's (now the National Imagery and Mapping Agency) Feature and Attribute Coding System; the Geographic Names Information System feature classes; the Spatial Data Transfer Standard feature list; publications from other Federal agencies, including the USDA Forest Service, the National Ocean Service, the Bureau of Land Management, and the Fish and Wildlife Service; and the Canadian National Topographic Data Base feature list. Attempts were made to coordinate feature definitions with other organizations. In some cases this was difficult because

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feature selection was somewhat different from one agency to another and even between units within each agency.

The feature definitions describe the nature or essential qualities that distinguish one feature from another. For example, the difference between a stream or river and a canal or ditch may not be obvious to a casual observer. However, the difference between the two features can be determined by comparing the definitions of STREAM/RIVER and CANAL/DITCH. Although a STREAM/RIVER and a CANAL/DITCH are both linear water bodies, the definition for CANAL/DITCH specifies that it is artificial and that it is used to transport water, to drain or irrigate land, to connect two or more water bodies, or to serve as a waterway for water craft. Therefore, a CANAL/DITCH is distinguished from a STREAM/RIVER by (1) the fact that it is artificial, and (2) the fact that it has specific uses. If the feature in question does not meet these two criteria, it should not be considered a CANAL/DITCH.

Although the feature definitions describe the qualities of features that are used to distinguish one feature from another, the templates do not necessarily specify how to make the distinction between the qualities themselves. How one goes about deciding if something is artificial or natural, or if it has some special use or not, is beyond the scope of these templates.

There are some cases where the distinction between features is not clear, usually because past practices are not compatible with the classification method that was used to develop the domain of features in this standard. There are also cases where the definition is clear, but again, because of past practices, there may be some ambiguity. For example, the definition of a LAKE/POND states that it is a "body of standing water", so a dry lake does not fit the definition of a LAKE/POND. However, the symbol books list dry lakes along with other lakes and ponds. In cases like this, rules have been developed in the Source Interpretation Guidelines to reinforce the definition. The rule in this example is: "Do not depict dry lakes as LAKE/PONDS. See PLAYA."

1.1.2 Characteristics

Characteristics distinguish between the character or peculiar qualities of a feature. Many of these characteristics fall into one of three groups: (1) the function or purpose of the feature; (2) the form or nature of the feature; and (3) the state or existence of the feature (or characteristic).

The definitions for the characteristics are generic. For instance, the definition for "intermittent" is the same, regardless of what hydrographic feature it is applied to.

In some cases, more than one characteristic may apply to a feature. The ability to distinguish multiple characteristics of features helps to keep the number of feature templates to a minimum. For example, a MINE can be a "pit" with a product of "gravel" which distinguishes it from a MINE that is a "quarry" with an unspecified product, without having to create extra feature templates to accommodate every possible combination of characteristics.

For most features, there is a discrete list of appropriate characteristics. However, for a few features, such as RESERVATION, the number of potential descriptors is quite large and it is not possible to create an exhaustive list of characteristics. In the case of RESERVATION, the "name" characteristic provides the necessary flexibility to distinguish between the different types of RESERVATIONS.

In this standard, the characteristic "name" refers to the "proper name" of the feature, rather than any generic label that may be applicable.

If the name is always shown the following statement is used:

Show the names of **FEATURES**.

If the name is shown only when it is known the following statement is used:

Show the names of **FEATURES** if they are known.

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The global characteristic "unspecified" can apply to any characteristic. "Unspecified" is used when a characteristic exists, but it is not necessary for it to be known to show the feature. For example, a spring can be shown on a map even though the characteristic of the water is unspecified.

The global characteristic "general case" applies only to features themselves, rather than to characteristics. For instance, there are four water pipelines that can be shown: aqueducts, general case pipelines, penstocks, and siphons. Aqueducts, penstocks, and siphons all have specific uses; however, a general case water pipeline does not have any specific designated use, beyond the fact that it is a water pipeline.

See appendix 1-B for a crosswalk between the feature/characteristics and the feature template/themes.

1.1.3 Delineation

The delineation guidelines describe the limits of features which, in turn, help to determine if a feature meets the minimum size for depiction and where to position labels, when appropriate. These guidelines generally describe real world entities, rather than the way the feature is represented on the source or the new map being prepared.

1.1.4 Depiction Conditions

The depiction conditions specify which features should be shown. Added features must meet the depiction conditions for those features. In general, previously mapped features are retained unless they positively no longer exist. (See section 1.1.5.2 for exceptions that are noted in the templates.) Depiction conditions are generally independent of the source, although some information on feature depiction that pertains to specific sources can be found in the Source Interpretation Guidelines.

The depiction conditions reflect the National Mapping Program's policy of cartographic representation, which restricts data content and position based on graphic limitations of scale and legibility. Only the content that can be displayed on the printed map is shown, including all offsets in position that are necessary to accommodate

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symbolization. See section 1.1.6 for information on symbolization.

The templates must contain the criteria necessary to ensure that maps are accurate and consistent in style and content. Therefore, the depiction conditions present the requirements for map content, as well as the step-by-step decisions that are needed to determine whether or not to show a particular feature.

An "If...Then" format is used for the depiction conditions. The format is as follows:

If a **FEATURE** is **CONDITION**,
Then show.

Some features are shown by symbol and label, some are shown by either symbol or label (but not both), while other features are named but symbolized by another feature. The phrase "Then show" is used when there is at least one limiting condition and the feature has its own symbol. The phrase "Then show the name" is used when there is a limiting condition that the feature must be named and the feature has no symbol of its own. The phrase "Show all" is used when there are no limiting conditions for depicting the feature.

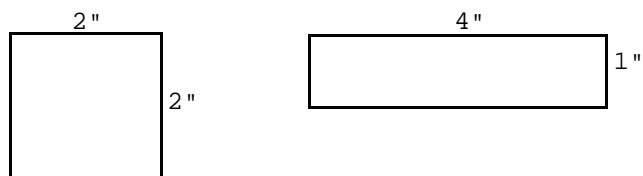
When there are multiple depiction conditions, each statement stands alone. If the feature meets one of the conditions, then it should be shown.

The depiction conditions based on minimum sizes are given in inches and in real world dimensions at 1:24,000 scale. In general, measure features along the longest axis (length) and/or the shortest axis (width). Measure square features along either axis, measure round features along the diameter, and measure irregular features against the axis of the best fitting non-oriented rectangle. Measure the length of linear features along the centerline of the feature and measure their width perpendicular to the centerline. Any specific or unique requirements for measurement are addressed separately for each feature.

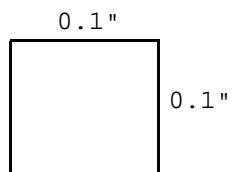
For areal measurements, the depiction conditions are expressed as "X square inches". Therefore, square inches indicate that **the value**

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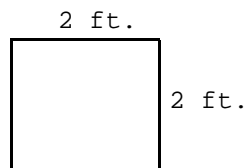
is an areal value . Thus, 4 square inches indicates an areal equivalent in extent to a square which measures 2 inches by 2 inches, or to a rectangle which measures 1 inch by 4 inches. Two examples of an area equal to 4 square inches are:



Decimal values are handled in the same way; an area described as 0.01 square inches indicates an area equivalent in size to a square which measures 0.1 inch by 0.1 inch. An example of an area equal to 0.01 square inches is:



Do not confuse this terminology with phrases such as "2 foot square," where neither the value nor the unit is areal. For example, an area that is 2 foot square is:



The areal value terminology is used in the templates because it allows an area to be defined independently of lengths and widths. If there are **also** minimum length or width requirements, then these values are included in the depiction conditions along with the areal value. For example:

If a LAKE/POND is ≥ 0.025 " (50 feet at 1:24,000 scale) along the shortest axis and is ≥ 0.0025 square inches (10,000 square feet at 1:24,000 scale),
Then show.

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The term "landmark" is used in the depiction conditions to refer to features that are culturally or physically distinctive in relation to surrounding features. Their representation provides identifiable ground positions and improves the usefulness of the map.

1.1.5 Source Interpretation Guidelines

The source interpretation guidelines provide information for interpreting the depiction specifications when using specific source materials. They also contain any modifications to the depiction conditions specific to the source materials.

1.1.5.1 All

The source interpretation guidelines in this section provide information on how to interpret the depiction specifications, regardless of the source. Included are such things as when to show a coincident feature based on the depiction conditions, when to show more than one instance of the feature, when to show something as a different feature, how to select which features to show when there are several of the same features closely spaced together, and which theme a feature should be depicted in when a feature can occur in more than one theme.

1.1.5.2 Graphic

The source interpretation guidelines in this section provide information on how to interpret the depiction specifications when the source is a map.

Most previously mapped features should be retained unless they positively no longer exist. However, in some cases previously mapped features must meet current depiction conditions in order to be shown on the new map; for examples of statements pertaining to these features, see the Graphic sections for AREA TO BE SUBMERGED, FORESHORE, and WASH in the Hydrography theme.

There are also a number of offshore features shown on previously published maps prior to 1961 that are no longer required and should not be shown on revised maps for consistency reasons. For examples of statements pertaining to these features, see the Graphic sections for HAZARD ZONE, POST, ROCK, and SNAG/STUMP in the Hydrography theme.

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Instructions are also given on how to depict features that were not symbolized on previously published maps because they were coincident with other features. For example, the feature SURVEY LINE (Public Land Survey System theme) contains the following statement:

PLSS lines may not have been shown on previously published maps because they were coincident with other features. If the feature they were coincident with is deleted, restore the SURVEY LINE as originally surveyed.

1.1.6 Symbolization

Feature symbolization is determined by the characteristics and dimensionality of the feature. A crosswalk between the feature characteristics, symbols, and labels is presented in tabular form in this section.

1.1.6.1 Characteristics Column

This column lists only those characteristics that affect symbolization. If there is no applicable characteristic, this is indicated by "N/A".

1.1.6.2 Symbol Column

This column lists the number of the symbol to use, as determined by the characteristics. If a symbol has not yet been assigned, the symbol specifications are listed. In some cases, the symbol number for a feature that is symbolized the same way has been listed. Brief notes are provided to explain dimensionality, composite symbols, or the choice multiple symbols. If there is no applicable symbol, this is indicated by "N/A".

Symbol specifications are presented in the Standards for 1:24,000- and 1:25,000-Scale Quadrangle Maps, Part 5: Publication Symbols.

See also appendixes 1-C and 1-D for crosswalks between the indexes for the Part 5: Publication Symbols and Part 6: Publication Symbols books and the feature templates.

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1.1.6.3 Label Column

This column lists the label to be shown, as determined by the characteristics. The generic label is listed first. If there is no generic label, this is indicated by "N/L". If a proper name is applicable, this is also indicated.

Generally, all names and labels that were shown on the previously published map are retained, unless the feature to which they apply positively no longer exists.

Specifications for names and labels are shown on the style sheets in appendixes 2-C (1:24,000- and 1:25,000-scale maps) and 2-D (1:63,360 Alaska maps) of the Standards for Revised Primary Series Quadrangle Maps.

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1.2 REVISION

The term "revision" applies to the process by which data are updated to reflect changes that have occurred since the date of the previously published map.

Features added during revision must meet the depiction conditions listed in the feature templates. Revision guidelines and instructions for which features to revise on single edition maps are located in the Standards for Revised Primary Series Quadrangle Maps.

See appendix 1-A for instructions on how to use the feature templates during revision.

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APPENDIX 1-A

Instructions for Using the Feature Templates During Revision

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Appendix 1-A: Instructions for Using the Feature Templates During Revision

The Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps were derived from the Standards for 1:24,000-Scale Digital Line Graphs and Quadrangle Maps. The information about attribute coding was either eliminated or rewritten to make it more suitable and understandable for use as a graphic standard. The single edition feature templates were reviewed by the USGS and USDA Forest Service to ensure that they contain consistent, concise, unambiguous instructions that describe what to show on single edition maps.

The single edition feature templates provide the following information:

Feature Definitions - a definition of the qualities that distinguish one feature from another

Characteristics - a listing and definition of the characteristics that distinguish between the peculiar qualities of a feature

Delineation - a description of the extent of a feature

Depiction Conditions - the criteria a feature must meet to be shown on the map

Source Interpretation Guidelines-All - instructions on how to interpret the depiction specifications, regardless of the source

Source Interpretation Guidelines-Graphic - instructions on how to interpret the depiction specifications when the source is a map

The following steps should be taken when preparing a single edition map:

- Determine which features should be revised. General guidelines and instructions are located in the Standards for Revised Primary Series Quadrangle Maps.
- Use the definition and the source interpretation guidelines in the feature templates to identify what feature you are looking at on the revision imagery or previously published map.
- Use the delineation guidelines to determine the extent of the feature.

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- Use the depiction conditions and the source interpretation guidelines to determine if the feature should be shown.
- Use the characteristics to determine how the feature should be shown.

For example, a small standing (as opposed to flowing) water body appears in the imagery. It is probably a LAKE/POND or a RESERVOIR (see Hydrography theme for both). It appears to have a natural shoreline and it does not have a geometric shape, so it is not a constructed basin. Based on the feature definition and the source interpretation guidelines, it is a LAKE/POND and not a RESERVOIR.

Use the delineation guidelines to determine the extent of the LAKE/POND. It is naturally formed and appears to be perennial, so based on the delineation guidelines and the characteristics, the edge of the LAKE/POND is the position of the shoreline when the water is at the stage that prevails for the greater part of the year (average water elevation.)

Use the depiction conditions to determine if this feature should be shown. In this example, the State is South Carolina, which is not an arid area. At average water elevation, the LAKE/POND is approximately 90 feet along the shortest axis and about 20,000 square feet in area. The depiction conditions require that a LAKE/POND must be ≥ 0.025 " (50 feet at 1:24,000 scale) along the shortest axis and ≥ 0.0025 square inches (10,000 square feet at 1:24,000 scale) in order to be shown. The example above meets the depiction criteria, so it should be shown.

After the LAKE/POND is identified, delineated, and the decision to show it is made, the characteristic having to do with the portion of the year the feature contains water (intermittent vs. perennial) determines the proper symbolization to be used. According to the source interpretation guidelines, the symbolization of the perimeter of the LAKE/POND is determined by the depiction specifications for SHORELINE, DAM/WEIR, NONEARTHEN SHORE, or SPILLWAY. Symbol specifications are presented in the Standards for 1:24,000- and 1:25,000-Scale Quadrangle Maps, Part 5: Publication Symbols. If necessary, use the crosswalk table to locate the Part 5 symbol.

The feature characteristics also determine how or whether the LAKE/POND is labeled, because there may be an elevation, proper name, or a water characteristic of "salt" associated with it. Specifications for names and labels are shown on the style sheets in appendixes 2-C and 2-D in the Standards for

Revised Primary Series Quadrangle Maps. The characteristics of LAKE/POND in the feature templates indicate that the value for the elevation is required only if it is known. According to the characteristics, the name of the LAKE/POND is shown, if it is known. The Standards for Revised Primary Series Quadrangle Maps indicate that new names can be added to maps, if supported by Geographic Names Information System sources, although normally the only new names that are added are those that are identified during boundary update. The feature template for LAKE/POND indicates that the distinctive characteristic of the water is identified only if the lake is known to be "salty". Since there is no evidence from the imagery or from an ancillary source that the lake is "salty", a label describing the water characteristic is not necessary.

Summary

The following is a summary of the revision procedure:

1. Determine what features should be revised.
2. Determine what the feature is on the source.
3. Determine the size and extent of the feature.
4. Determine if the feature should be shown.
5. Determine what the characteristics of the feature are.
6. Determine the symbol specifications.
7. Determine if a label is necessary.
8. Add the feature symbol and/or label to the map.

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Appendix 1-B: Feature/Characteristic to Feature Template/Theme Crosswalk

APPENDIX 1-B
Feature/Characteristic to Feature Template/Theme Crosswalk

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Appendix 1-B: Feature/Characteristic to Feature Template/Theme Crosswalk

The crosswalk in this appendix relates the feature names and characteristics to the feature themes. The feature names appear in upper case letters in the first column, while the characteristics are shown in upper and lower case letters. This crosswalk does not attempt to show the complete relationships between all of the features and characteristics, nor is it intended to imply that the features indicated are the correct ones to show in all cases. The reader must refer to the feature templates for the complete depiction specifications to determine which features to show.

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Feature/Characteristic	Feature Template	Theme
-A-		
Agricultural Inspection	TRAFFIC INSPECTION FACILITY	Transportation
Air Ventilation	MINE ENTRANCE	Built-up
	TUNNEL ENTRANCE	Transportation
Airboat Trail	LANE	Transportation
AIRCRAFT FACILITY	AIRCRAFT FACILITY	Transportation
Airport	AIRCRAFT FACILITY	Transportation
Heliport	AIRCRAFT FACILITY	Transportation
Helitack Base	AIRCRAFT FACILITY	Transportation
Seaplane Base	AIRCRAFT FACILITY	Transportation
Airport	AIRCRAFT FACILITY	Transportation
Alkaline	SPRING/SEEP	Hydrography
	WELL	Hydrography
Alternate	ROUTE	Transportation
Amended Monument	SURVEY CORNER	PLSS
Amphitheater	OUTDOOR THEATER	Built-up
Amusement Park	PARK	Built-up
ANCHORAGE	ANCHORAGE	Hydrography
Seaplane	ANCHORAGE	Hydrography
Angle Point	SURVEY CORNER	PLSS
Animal	CEMETERY	Built-up
Approved	BOUNDARY LINE	Boundaries
Aqua Theater	OUTDOOR THEATER	Built-up
Aquaculture	RESERVOIR	Hydrography
AQUACULTURE SITE	AQUACULTURE SITE	Built-up
Aqueduct	CANAL/DITCH	Hydrography
	PIPELINE	Hydrography
ARCH	ARCH	Named Landforms
Natural Arch	ARCH	Named Landforms
Natural Bridge	ARCH	Named Landforms
Archeological Site	ARCHEOLOGICAL SITE/RUIN	Built-up
ARCHEOLOGICAL SITE/RUIN	ARCHEOLOGICAL SITE/RUIN	Built-up
Archeological Site	ARCHEOLOGICAL SITE/RUIN	Built-up
Cliff Dwelling	ARCHEOLOGICAL SITE/RUIN	Built-up
Petroglyph	ARCHEOLOGICAL SITE/RUIN	Built-up
Pictograph	ARCHEOLOGICAL SITE/RUIN	Built-up
Ruins	ARCHEOLOGICAL SITE/RUIN	Built-up
AREA OF COMPLEX CHANNELS	AREA OF COMPLEX CHANNELS	Hydrography
AREA TO BE SUBMERGED	AREA TO BE SUBMERGED	Hydrography
Arena	BUILDING	Built-up
Armory	BUILDING	Built-up
ATHLETIC FIELD	ATHLETIC FIELD	Built-up
Auditorium	BUILDING	Built-up
-B-		
BAR	BAR	Named Landforms
BARREN LAND	BARREN LAND	Nonveg Surface Cover
Gravel	BARREN LAND	Nonveg Surface Cover
Lava	BARREN LAND	Nonveg Surface Cover
Sand	BARREN LAND	Nonveg Surface Cover

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Feature/Characteristic	Feature Template	Theme
BASIN	BASIN	Named Landforms
Carolina Bay	BASIN	Named Landforms
Crater	BASIN	Named Landforms
BAY/INLET	BAY/INLET	Hydrography
BEACH	BEACH	Nonveg Surface Cover
BEND	BEND	Named Landforms
BOARDWALK	BOARDWALK	Built-up
Boat Access	LAUNCHING RAMP	Built-up
Boat Ramp	LAUNCHING RAMP	Built-up
Botanical Garden	PARK	Built-up
Boulders	FORESHORE	Hydrography
BOUNDARY LINE	BOUNDARY LINE	Boundaries
Approved	BOUNDARY LINE	Boundaries
Disputed	BOUNDARY LINE	Boundaries
Historical	BOUNDARY LINE	Boundaries
BOUNDARY POINT	BOUNDARY POINT	Boundaries
Reference Point	BOUNDARY POINT	Boundaries
Breakwater	PIER/BREAKWATER/JETTY	Built-up
Brick	KILN	Built-up
BRIDGE	BRIDGE	Hydrography
Covered	BRIDGE	Transportation
Uncovered	BRIDGE	Transportation
BUILDING	BUILDING	Built-up
Arena	BUILDING	Built-up
Armory	BUILDING	Built-up
Auditorium	BUILDING	Built-up
Capitol	BUILDING	Built-up
City Hall	BUILDING	Built-up
Community Center	BUILDING	Built-up
Courthouse	BUILDING	Built-up
Firehouse	BUILDING	Built-up
Forest Headquarters	BUILDING	Built-up
Grain Elevator	BUILDING	Built-up
Grange Hall	BUILDING	Built-up
Guard Station	BUILDING	Built-up
Hospital	BUILDING	Built-up
House of Worship	BUILDING	Built-up
Library	BUILDING	Built-up
Medical Center	BUILDING	Built-up
Memorial	BUILDING	Built-up
Museum	BUILDING	Built-up
Observatory	BUILDING	Built-up
Post Office	BUILDING	Built-up
Radio Facility	BUILDING	Built-up
Railroad Station	BUILDING	Built-up
Ranger District Office	BUILDING	Built-up
Roundhouse	BUILDING	Built-up
School	BUILDING	Built-up
Stadium	BUILDING	Built-up
Substation	BUILDING	Built-up
Townhall	BUILDING	Built-up
Work Center	BUILDING	Built-up

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Appendix 1-B: Feature/Characteristic to Feature Template/Theme Crosswalk

Feature/Characteristic	Feature Template	Theme
BUILT-UP AREA	BUILT-UP AREA	Built-up
Business	ROUTE	Transportation
Bypass	ROUTE	Transportation
-C-		
Cable	CABLE/PIPELINE SITE	Built-up
CABLE/PIPELINE SITE	CABLE/PIPELINE SITE	Built-up
Cable	CABLE/PIPELINE SITE	Built-up
Pipeline	CABLE/PIPELINE SITE	Built-up
Cable and Pipeline	CABLE/PIPELINE SITE	Built-up
CABLEWAY	CABLEWAY	Built-up
Ski Lift	CABLEWAY	Built-up
CAMPGROUND	CAMPGROUND	Built-up
Campsite	CAMPGROUND	Built-up
Campsite	CAMPGROUND	Built-up
CANAL/DITCH	CANAL/DITCH	Hydrography
Aqueduct	CANAL/DITCH	Hydrography
Canoe Trail	LANE	Transportation
CAPE	CAPE	Named Landforms
Capitol	BUILDING	Built-up
Carolina Bay	BASIN	Named Landforms
CAVE ENTRANCE	CAVE ENTRANCE	Named Landforms
CEMETERY	CEMETERY	Built-up
Animal	CEMETERY	Built-up
Human	CEMETERY	Built-up
Charcoal	KILN	Built-up
CHIMNEY	CHIMNEY	Built-up
CITY	CITY	Boundaries
City Hall	BUILDING	Built-up
Civil Government	INSTITUTIONAL SITE	Built-up
Clay	MINE	Built-up
CLIFF	CLIFF	Named Landforms
Cliff Dwelling	ARCHEOLOGICAL SITE/RUIN	Built-up
Coke	KILN	Built-up
Communication	TOWER	Built-up
Community Center	BUILDING	Built-up
Compressor	PIPELINE REGULATION STATION	Built-up
Connector	ROUTE	Transportation
CONTOUR	CONTOUR	Hypsography
Depression	CONTOUR	Hypsography
Control	TOWER	Built-up
CONVEYOR	CONVEYOR	Built-up
Cooling Pond	RESERVOIR	Hydrography
Cooling	TOWER	Built-up
Coral	FORESHORE	Hydrography
	REEF	Hydrography
Corral	HOLDING PEN	Built-up
Correctional	INSTITUTIONAL SITE	Built-up
COUNTY	COUNTY	Boundaries
County Route	ROUTE	Transportation
Courthouse	BUILDING	Built-up
Cranberry Bog	CULTIVATED CROPLAND	Veg Surface Cover

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Feature/Characteristic	Feature Template	Theme
Crater	BASIN	Named Landforms
CREVASSE FIELD	CREVASSE FIELD	Hydrography
CUL-DE-SAC	CUL-DE-SAC	Transportation
CULTIVATED CROPLAND	CULTIVATED CROPLAND	Veg Surface Cover
Cranberry Bog	CULTIVATED CROPLAND	Veg Surface Cover
Orchard/Grove	CULTIVATED CROPLAND	Veg Surface Cover
Vines/Bushes	CULTIVATED CROPLAND	Veg Surface Cover
Customs	TRAFFIC INSPECTION FACILITY	Transportation
Custom Station	TRAFFIC INSPECTION FACILITY	Transportation
Port of Entry	TRAFFIC INSPECTION FACILITY	Transportation
Custom Station	TRAFFIC INSPECTION FACILITY	Transportation
-D-		
DAM/WEIR	DAM/WEIR	Hydrography
Earthen	DAM/WEIR	Hydrography
Nonearthen	DAM/WEIR	Hydrography
Debris Basin	INUNDATION AREA	Hydrography
Decorative Pool	RESERVOIR	Hydrography
Defensive Earthworks	EMBANKMENT	Built-up
Depression	CONTOUR	Hypsography
DEPTH CURVE	DEPTH CURVE	Hypsography
DESERT	DESERT	Named Landforms
Dewatering Area	INUNDATION AREA	Hydrography
Dirt Road	ROAD	Transportation
DISH	DISH	Built-up
Disposal	RESERVOIR	Built-up
Oil Sump	RESERVOIR	Built-up
Sludge Pit	RESERVOIR	Built-up
DISPOSAL SITE	DISPOSAL SITE	Built-up
Tailings	DISPOSAL SITE	Built-up
Waste Rock	DISPOSAL SITE	Built-up
Disputed	BOUNDARY LINE	Boundaries
DISTURBED SURFACE	DISTURBED SURFACE	Built-up
DIVIDE	DIVIDE	Named Landforms
Donation Land Claim	PUBLIC LAND SURVEY SYSTEM AREA	PLSS
DRAW SPAN	DRAW SPAN	Transportation
DRIVE-IN THEATER SCREEN	DRIVE-IN THEATER SCREEN	Built-up
Drive-In Theater	OUTDOOR THEATER	Built-up
DRYDOCK	DRYDOCK	Built-up
Drydock	GATE	Hydrography
Duck Pond	INUNDATION AREA	Hydrography
DUNES	DUNES	Nonveg Surface Cover
Sand	DUNES	Nonveg Surface Cover
-E-		
Education/Research	INSTITUTIONAL SITE	Built-up
EMBANKMENT	EMBANKMENT	Built-up
Defensive Earthworks	EMBANKMENT	Built-up
Levee	EMBANKMENT	Built-up
Spoil Bank	EMBANKMENT	Built-up
ESTUARY	ESTUARY	Hydrography

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Feature/Characteristic	Feature Template	Theme
Evaporator	RESERVOIR	Hydrography
EXHIBITION GROUND	EXHIBITION GROUND	Built-up
-F-		
Feedlot	HOLDING PEN	Built-up
FENCE LINE	FENCE LINE	Built-up
Ferry Crossing	LANE	Transportation
FILTRATION PLANT	FILTRATION PLANT	Built-up
Filtration Pond	RESERVOIR	Hydrography
Firehouse	BUILDING	Built-up
FISH LADDER	FISH LADDER	Hydrography
FLUME	FLUME	Hydrography
Floodgate	GATE	Hydrography
Flowing	WELL	Hydrography
FORD	FORD	Transportation
FORESHORE	FORESHORE	Hydrography
Boulders	FORESHORE	Hydrography
Coral	FORESHORE	Hydrography
Gravel	FORESHORE	Hydrography
Mud	FORESHORE	Hydrography
Rock	FORESHORE	Hydrography
Sand	FORESHORE	Hydrography
Shell	FORESHORE	Hydrography
Forest	RESERVATION	Boundaries
Forest Development Road	ROAD	Transportation
Forest Headquarters	BUILDING	Built-up
Forest Service		
Administrative Area	RESERVATION	Boundaries
Forest Service		
Ranger District	RESERVATION	Boundaries
Forest Service	ROUTE	Transportation
High Clearance	ROUTE	Transportation
Primary	ROUTE	Transportation
Secondary	ROUTE	Transportation
4-Wheel Drive Road	ROAD	Transportation
FRACTURE	FRACTURE	Named Landforms
FUMAROLE	FUMAROLE	Hydrography
-G-		
GAGING STATION	GAGING STATION	Hydrography
Tide Station	GAGING STATION	Hydrography
GAP	GAP	Named Landforms
GATE	GATE	Hydrography
Drydock	GATE	Hydrography
Floodgate	GATE	Hydrography
Lock	GATE	Hydrography
Road	GATE	Transportation
Restricted	GATE	Transportation
Toll	GATE	Transportation
Tidegate	GATE	Hydrography
Generator	WINDMILL	Built-up

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Feature/Characteristic	Feature Template	Theme
GEYSER	GEYSER	Hydrography
Glacier	ICE MASS	Hydrography
Golf Course	SPORTS SITE	Built-up
Grain Elevator	BUILDING	Built-up
Grange Hall	BUILDING	Built-up
Grassland	RESERVATION	Boundaries
Gravel	FORESHORE	Hydrography
	BARREN LAND	Nonveg Surface Cover
	MINE	Built-up
	MORaine	Nonveg Surface Cover
Gravel Road	ROAD	Transportation
Guard Station	BUILDING	Built-up
Guzzler	TANK	Built-up
-H-		
HAZARD ZONE	HAZARD ZONE	Hydrography
Rock Area	HAZARD ZONE	Hydrography
Shoal	HAZARD ZONE	Hydrography
Wreckage	HAZARD ZONE	Hydrography
Heat	WELL	Hydrography
HELIPAD	HELIPAD	Transportation
Heliport	AIRCRAFT FACILITY	Transportation
HELISPOT	HELISPOT	Transportation
Helitack Base	AIRCRAFT FACILITY	Transportation
Historic	TRAIL	Transportation
Historical	BOUNDARY LINE	Boundaries
	INSTITUTIONAL SITE	Built-up
HISTORICAL MONUMENT	HISTORICAL MONUMENT	Built-up
HOLDING PEN	HOLDING PEN	Built-up
Corral	HOLDING PEN	Built-up
Feedlot	HOLDING PEN	Built-up
Stockyard	HOLDING PEN	Built-up
Homestead Entry Survey	SPECIAL SURVEY AREA	PLSS
Hospital	BUILDING	Built-up
Hot	SPRING/SEEP	Hydrography
	WELL	Hydrography
House of Worship	BUILDING	Built-up
Human	CEMETERY	Built-up
Hummocked Ice	MOUNT	Named Landforms
-I-		
ICE MASS	ICE MASS	Hydrography
Glacier	ICE MASS	Hydrography
Snowfield	ICE MASS	Hydrography
Ice Shelf	ICE MASS	Hydrography
Incline Railway	RAILWAY	Transportation
INCLINE/FLOW	INCLINE/FLOW	Named Landforms
Indian Allotment	SPECIAL SURVEY AREA	PLSS
Indian Land	RESERVATION	Boundaries
Indian Mound	MOUNT	Named Landforms

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Feature/Characteristic	Feature Template	Theme
INSTITUTIONAL SITE	INSTITUTIONAL SITE	Built-up
Civil Government	INSTITUTIONAL SITE	Built-up
Correctional	INSTITUTIONAL SITE	Built-up
Education/Research	INSTITUTIONAL SITE	Built-up
Historical	INSTITUTIONAL SITE	Built-up
Medical	INSTITUTIONAL SITE	Built-up
Military	INSTITUTIONAL SITE	Built-up
Religious	INSTITUTIONAL SITE	Built-up
Intake	WATER/INTAKE OUTFLOW	Hydrography
Intermittent	LAKE/POND	Hydrography
	RESERVOIR	Hydrography
	SHORELINE	Hydrography
	STREAM/RIVER	Hydrography
INTERCHANGE	INTERCHANGE	Transportation
Interstate	ROUTE	Transportation
INUNDATION AREA	INUNDATION AREA	Hydrography
Controlled	INUNDATION AREA	Hydrography
Debris Basin	INUNDATION AREA	Hydrography
Dewatering Area	INUNDATION AREA	Hydrography
Duck Pond	INUNDATION AREA	Hydrography
Percolation Basin	INUNDATION AREA	Hydrography
Retarding Basin	INUNDATION AREA	Hydrography
Not Controlled	INUNDATION AREA	Hydrography
ISLAND	ISLAND	Named Landforms
ISTHMUS	ISTHMUS	Named Landforms
-J-		
Jetty	PIER/BREAKWATER/JETTY	Built-up
-K-		
KILN	KILN	Built-up
Brick	KILN	Built-up
Charcoal	KILN	Built-up
Coke	KILN	Built-up
-L-		
LAKE/POND	LAKE/POND	Hydrography
Intermittent	LAKE/POND	Hydrography
Perennial	LAKE/POND	Hydrography
LAND GRANT	LAND GRANT	PLSS
LAND PARCEL	LAND PARCEL	Boundaries
LANE	LANE	Transportation
Airboat Trail	LANE	Transportation
Canoe Trail	LANE	Transportation
Ferry Crossing	LANE	Transportation
Seaplane Landing/ Takeoff	LANE	Transportation
Shipping	LANE	Transportation
Dredged	LANE	Transportation
Turning	LANE	Transportation

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Feature/Characteristic	Feature Template	Theme
LANE - continued		
Undredged	LANE	Transportation
LAUNCH FACILITY	LAUNCH FACILITY	Built-up
LAUNCH PAD	LAUNCH PAD	Built-up
LAUNCHING RAMP	LAUNCHING RAMP	Built-up
Boat Access	LAUNCHING RAMP	Built-up
Boat Ramp	LAUNCHING RAMP	Built-up
Seaplane Ramp	LAUNCHING RAMP	Built-up
Lava	BARREN LAND	Nonveg Surface Cover
Levee	EMBANKMENT	Built-up
Library	BUILDING	Built-up
Light Duty Road	ROAD	Transportation
Dirt	ROAD	Transportation
Gravel	ROAD	Transportation
Paved	ROAD	Transportation
LOCALE	LOCALE	Built-up
Location Monument	SURVEY CORNER	PLSS
LOCK CHAMBER	LOCK CHAMBER	Hydrography
Lock	GATE	Hydrography
Lookout	TOWER	Built-up
Loop	ROUTE	Transportation
-M-		
Mangrove	TREES	Veg Surface Cover
MARINA	MARINA	Built-up
Meander Corner	SURVEY CORNER	PLSS
Medical	INSTITUTIONAL SITE	Built-up
Medical Center	BUILDING	Built-up
Memorial	BUILDING	Built-up
MILE MARKER	MILE MARKER	Hydrography
Military	RESERVATION	Boundaries
	INSTITUTIONAL SITE	Built-up
Military Lot	PUBLIC LAND SURVEY SYSTEM AREA	PLSS
MINE	MINE	Built-up
Open Pit	MINE	Built-up
Pit	MINE	Built-up
Clay	MINE	Built-up
Gravel	MINE	Built-up
Sand	MINE	Built-up
Quarry	MINE	Built-up
Strip	MINE	Built-up
Mine Danger Area	HAZARD ZONE	Hydrography
MINE ENTRANCE	MINE ENTRANCE	Built-up
Air Ventilation	MINE ENTRANCE	Built-up
Miniature	RAILWAY	Transportation
MINOR CIVIL DIVISION	MINOR CIVIL DIVISION	Boundaries
MOBILE HOME PARK	MOBILE HOME PARK	Built-up
MONORAIL	MONORAIL	Transportation
MORaine	MORaine	Nonveg Surface Cover
Gravel	MORaine	Nonveg Surface Cover
MOUNT	MOUNT	Named Landforms
Hummocked Ice	MOUNT	Named Landforms

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Feature/Characteristic	Feature Template	Theme
MOUNT - continued		
Indian Mound	MOUNT	Named Landforms
Pingo	MOUNT	Named Landforms
Mud	FORESHORE	Hydrography
	PLAYA	Hydrography
MUD POT	MUD POT	Hydrography
Museum	BUILDING	Built-up
-N-		
Narrow Gauge	RAILWAY	Transportation
NATION	NATION	Boundaries
Natural Arch	ARCH	Named Landforms
Natural Bridge	ARCH	Named Landforms
Navigation	TOWER	Built-up
Non-Producing	WELL	Built-up
NONEARTHEN SHORE	NONEARTHEN SHORE	Hydrography
-O-		
Observatory	BUILDING	Built-up
OFFSHORE PLATFORM	OFFSHORE PLATFORM	Built-up
Oil Sump	RESERVOIR	Built-up
Open Pit	MINE	Built-up
Orchard/Groves	CULTIVATED CROPLAND	Veg Surface Cover
OUTDOOR THEATER	OUTDOOR THEATER	Built-up
Amphitheater	OUTDOOR THEATER	Built-up
Aqua Theater	OUTDOOR THEATER	Built-up
Drive-In Theater	OUTDOOR THEATER	Built-up
Outflow	WATER/INTAKE OUTFLOW	Hydrography
Overlook Access	ROAD	Transportation
-P-		
Parade Ground	PARK	Built-up
Park	RESERVATION	Boundaries
PARK	PARK	Built-up
Amusement Park	PARK	Built-up
Botanical Garden	PARK	Built-up
Parade Ground	PARK	Built-up
Picnic Area	PARK	Built-up
Zoo	PARK	Built-up
Paved	ROAD	Transportation
Penstock	PIPELINE	Hydrography
Percolation Basin	INUNDATION AREA	Hydrography
Perennial	LAKE/POND	Hydrography
	RESERVOIR	Hydrography
	SHORELINE	Hydrography
	STREAM/RIVER	Hydrography
Petroglyph	ARCHEOLOGICAL SITE/RUIN	Built-up
Picnic Area	PARK	Built-up
Pictograph	ARCHEOLOGICAL SITE/RUIN	Built-up

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Feature/Characteristic	Feature Template	Theme
PIER/BREAKWATER/JETTY	PIER/BREAKWATER/JETTY	Built-up
Breakwater	PIER/BREAKWATER/JETTY	Built-up
Jetty	PIER/BREAKWATER/JETTY	Built-up
Pier	PIER/BREAKWATER/JETTY	Built-up
Pier	PIER/BREAKWATER/JETTY	Built-up
Pingo	MOUNT	Named Landforms
Pinnacle	PINNACLE	Named Landforms
Pipeline	CABLE/PIPELINE SITE	Built-up
PIPELINE	PIPELINE	Built-up
Aqueduct	PIPELINE	Hydrography
Penstock	PIPELINE	Hydrography
Siphon	PIPELINE	Hydrography
PIPELINE REGULATION		
STATION	PIPELINE REGULATION STATION	Built-up
Compressor	PIPELINE REGULATION STATION	Built-up
Pumping	PIPELINE REGULATION STATION	Built-up
Valve	PIPELINE REGULATION STATION	Built-up
Pit	MINE	Built-up
Clay	MINE	Built-up
Gravel	MINE	Built-up
Sand	MINE	Built-up
PLATEAU	PLATEAU	Named Landforms
Platform Area	HAZARD ZONE	Hydrography
PLAYA	PLAYA	Hydrography
Mud	PLAYA	Hydrography
Salt	PLAYA	Hydrography
Sand	PLAYA	Hydrography
POPULATED PLACE	POPULATED PLACE	Built-up
Port of Entry	TRAFFIC INSPECTION FACILITY	Transportation
Post Office	BUILDING	Built-up
POWER SITE	POWER SITE	Built-up
Sun	POWER SITE	Built-up
Wind	POWER SITE	Built-up
Power Transmission Line	TRANSMISSION LINE	Built-up
Primary Highway	ROAD	Transportation
PRINCIPAL MERIDIAN	PRINCIPAL MERIDIAN	PLSS
Prison	RESERVATION	Boundaries
Private	ROAD	Transportation
Producing	WELL	Built-up
PROSPECT	PROSPECT	Built-up
Protracted	SURVEY LINE	PLSS
Protraction Block	PUBLIC LAND SURVEY AREA	PLSS
PROVING GROUND	PROVING GROUND	Built-up
PUBLIC LAND SURVEY AREA	PUBLIC LAND SURVEY SYSTEM AREA	PLSS
Donation Land Claim	PUBLIC LAND SURVEY SYSTEM AREA	PLSS
Military or Warrant Lot	PUBLIC LAND SURVEY SYSTEM AREA	PLSS
Protraction Block	PUBLIC LAND SURVEY SYSTEM AREA	PLSS
Section	PUBLIC LAND SURVEY SYSTEM AREA	PLSS
Tract	PUBLIC LAND SURVEY SYSTEM AREA	PLSS
Pumping	PIPELINE REGULATION STATION	Built-up

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Feature/Characteristic	Feature Template	Theme
-Q-		
Quarry	MINE	Built-up
-R-		
RACETRACK	RACETRACK	Built-up
Raceway	SPORTS SITE	Built-up
Radio Facility	BUILDING	Built-up
Railroad Station	BUILDING	Built-up
RAILWAY	RAILWAY	Transportation
Incline Railway	RAILWAY	Transportation
Miniature	RAILWAY	Transportation
Transit	RAILWAY	Transportation
RAILWAY YARD	RAILWAY YARD	Transportation
Ramp	ROAD	Transportation
RANGE	RANGE	Named Landforms
Ranger District Office	BUILDING	Built-up
RAPIDS	RAPIDS	Hydrography
Reclaimed/Reverted/ Converted	DISPOSAL SITE	Built-up
	MINE	Built-up
Recreation	TRAIL	Transportation
RECREATIONAL SLIDE	RECREATIONAL SLIDE	Built-up
REEF	REEF	Hydrography
Rock	REEF	Hydrography
Coral	REEF	Hydrography
Reference Point	BOUNDARY POINT	Boundaries
Religious	INSTITUTIONAL SITE	Built-up
RESERVATION	RESERVATION	Boundaries
Forest	RESERVATION	Boundaries
Grassland	RESERVATION	Boundaries
Indian Land	RESERVATION	Boundaries
Military	RESERVATION	Boundaries
Park	RESERVATION	Boundaries
Prison	RESERVATION	Boundaries
Wilderness	RESERVATION	Boundaries
Wildlife	RESERVATION	Boundaries
RESERVOIR	RESERVOIR	Built-up
	RESERVOIR	Hydrography
Aquaculture	RESERVOIR	Hydrography
Disposal	RESERVOIR	Built-up
Oil Sump	RESERVOIR	Built-up
Sludge Pit	RESERVOIR	Built-up
Decorative Pool	RESERVOIR	Hydrography
Evaporator	RESERVOIR	Hydrography
Stock Tank	RESERVOIR	Hydrography
Swimming Pool	RESERVOIR	Hydrography
Tailings Pond	RESERVOIR	Hydrography
Treatment	RESERVOIR	Hydrography
Cooling Pond	RESERVOIR	Hydrography
Filtration Pond	RESERVOIR	Hydrography
Settling Pond	RESERVOIR	Hydrography

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Feature/Characteristic	Feature Template	Theme
RESERVOIR - continued		
Sewage Treatment		
Pond	RESERVOIR	Hydrography
Water Storage	RESERVOIR	Hydrography
Rest Area Access	ROAD	Transportation
REST SITE	REST SITE	Transportation
Retarding Basin	INUNDATION AREA	Hydrography
Restricted	ROAD	Transportation
RIDGE	RIDGE	Named Landforms
Road	GATE	Transportation
Restricted	GATE	Transportation
Toll	GATE	Transportation
ROAD	ROAD	Transportation
Overlook Access	ROAD	Transportation
Ramp	ROAD	Transportation
Rest Area Access	ROAD	Transportation
Runaway Truck Ramp	ROAD	Transportation
Traffic Circle	ROAD	Transportation
Turning Roadway	ROAD	Transportation
ROAD BLOCK/BERM/BARRIER	ROAD BLOCK/BERM/BARRIER	Transportation
Rock	FORESHORE	Hydrography
	REEF	Hydrography
ROCK	ROCK	Hydrography
Rock Area	HAZARD ZONE	Hydrography
Roundhouse	BUILDING	Built-up
ROUTE	ROUTE	Transportation
County Route	ROUTE	Transportation
Interstate	ROUTE	Transportation
State Route	ROUTE	Transportation
U.S. Numbered	ROUTE	Transportation
USDA Forest Service	ROUTE	Transportation
High Clearance	ROUTE	Transportation
Primary	ROUTE	Transportation
Secondary	ROUTE	Transportation
Ruined Pier/Breakwater/ Jetty	PIER/BREAKWATER/JETTY	Built-up
Ruins	ARCHEOLOGICAL SITE/RUIN	Built-up
Runaway Truck Ramp	ROAD	Transportation
RUNWAY/APRON/TAXIWAY	RUNWAY/APRON/TAXIWAY	Transportation
Abandoned	RUNWAY/APRON/TAXIWAY	Transportation
Operational	RUNWAY/APRON/TAXIWAY	Transportation
Under Construction	RUNWAY/APRON/TAXIWAY	Transportation
-S-		
Salt	PLAYA	Hydrography
	LAKE/POND	Hydrography
Sand	BARREN LAND	Nonveg Surface Cover
	DUNES	Nonveg Surface Cover
	FORESHORE	Hydrography
	MINE	Built-up
	PLAYA	Hydrography
Scattered Trees	TREES	Veg Surface Cover

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Feature/Characteristic	Feature Template	Theme
SCENIC BYWAY	SCENIC BYWAY	Transportation
Scenic	TRAIL	Transportation
School	BUILDING	Built-up
Sea	WALL	Hydrography
SEA/OCEAN	SEA/OCEAN	Hydrography
Seaplane Anchorage	ANCHORAGE	Hydrography
Seaplane Base	AIRCRAFT FACILITY	Transportation
Seaplane Landing/Takeoff	LANE	Transportation
Seaplane Ramp	LAUNCHING RAMP	Built-up
Secondary Highway	ROAD	Transportation
Section	PUBLIC LAND SURVEY SYSTEM AREA	PLSS
Section Corner	SURVEY CORNER	PLSS
Section Subdivision Corner	SURVEY CORNER	PLSS
Settling Pond	RESERVOIR	Hydrography
SEWAGE DISPOSAL PLANT	SEWAGE DISPOSAL PLANT	Built-up
Sewage Treatment Pond	RESERVOIR	Hydrography
Shell	FORESHORE	Hydrography
Shipping	LANE	Transportation
Dredged	LANE	Transportation
Turning	LANE	Transportation
Undredged	LANE	Transportation
Shoal	HAZARD ZONE	Hydrography
SHOPPING CENTER	SHOPPING CENTER	Built-up
SHORELINE	SHORELINE	Hydrography
Intermittent	SHORELINE	Hydrography
Perennial	SHORELINE	Hydrography
SHRUBLAND	SHRUBLAND	Veg Surface Cover
Siding	RAILWAY	Transportation
SINK/RISE	SINK/RISE	Hydrography
Siphon	PIPELINE	Hydrography
SKI JUMP	SKI JUMP	Built-up
Ski Lift	CABLEWAY	Built-up
Sludge Pit	RESERVOIR	Built-up
Snowfield	ICE MASS	Hydrography
SOUNDING	SOUNDING	Hypsography
SPECIAL SURVEY AREA	SPECIAL SURVEY AREA	PLSS
Homestead Entry Survey	SPECIAL SURVEY AREA	PLSS
Indian Allotment	SPECIAL SURVEY AREA	PLSS
U.S. Survey	SPECIAL SURVEY AREA	PLSS
Special Survey Corner	SURVEY CORNER	PLSS
SPILLWAY	SPILLWAY	Hydrography
Spoil Bank	EMBANKMENT	Built-up
SPORTS SITE	SPORTS SITE	Built-up
Golf Course	SPORTS SITE	Built-up
Raceway	SPORTS SITE	Built-up
Winter Recreation Area	SPORTS SITE	Built-up
SPOT ELEVATION	SPOT ELEVATION	Hypsography
SPRING/SEEP	SPRING/SEEP	Hydrography
Alkaline	SPRING/SEEP	Hydrography
Hot	SPRING/SEEP	Hydrography
Sulphur	SPRING/SEEP	Hydrography
Spur	ROUTE	Transportation
Stadium	BUILDING	Built-up

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Feature/Characteristic	Feature Template	Theme
Standard Gauge	RAILWAY	Transportation
State Route	ROUTE	Transportation
STATE/TERRITORY	STATE/TERRITORY	Boundaries
Stock Tank	RESERVOIR	Hydrography
Stockyard	HOLDING PEN	Built-up
STREAM/RIVER	STREAM/RIVER	Hydrography
Intermittent	STREAM/RIVER	Hydrography
Perennial	STREAM/RIVER	Hydrography
Strip	MINE	Built-up
SUBMERGED STREAM	SUBMERGED STREAM	Hydrography
Substation	BUILDING	Built-up
SUBSTATION	SUBSTATION	Built-up
Sulphur	SPRING/SEEP	Hydrography
	WELL	Hydrography
Sun	POWER SITE	Built-up
SURVEY CORNER	SURVEY CORNER	PLSS
Amended Monument	SURVEY CORNER	PLSS
Angle Point	SURVEY CORNER	PLSS
Location Monument	SURVEY CORNER	PLSS
Meander Corner	SURVEY CORNER	PLSS
Section Corner	SURVEY CORNER	PLSS
Section Subdivision		
Corner	SURVEY CORNER	PLSS
Special Survey Corner	SURVEY CORNER	PLSS
Witness Corner	SURVEY CORNER	PLSS
Witness Point	SURVEY CORNER	PLSS
SURVEY LINE	SURVEY LINE	PLSS
Protracted	SURVEY LINE	PLSS
Surveyed	SURVEY LINE	PLSS
Surveyed	SURVEY LINE	PLSS
SWAMP/MARSH	SWAMP/MARSH	Hydrography
Swimming Pool	RESERVOIR	Hydrography
-T-		
Tailings	DISPOSAL SITE	Built-up
Tailings Pond	RESERVOIR	Hydrography
TANK	TANK	Built-up
Guzzler	TANK	Built-up
Water Tank	TANK	Built-up
Telephone	TRANSMISSION LINE	Built-up
TERRACE	TERRACE	Named Landforms
Tide	GAGING STATION	Hydrography
Dismantled	GAGING STATION	Hydrography
Operational	GAGING STATION	Hydrography
Tidegate	GATE	Hydrography
Toll	GATE	Transportation
	ROAD	Transportation
TOWER	TOWER	Built-up
Communication	TOWER	Built-up
Control	TOWER	Built-up
Cooling	TOWER	Built-up
Lookout	TOWER	Built-up

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Feature/Characteristic	Feature Template	Theme
TOWER - continued		
Navigation	TOWER	Built-up
Water	TOWER	Built-up
Water Intake	TOWER	Built-up
Townhall	BUILDING	Built-up
Tract	PUBLIC LAND SURVEY SYSTEM AREA	PLSS
Traffic Circle	ROAD	Transportation
TRAFFIC INSPECTION FACILITY		
Agricultural Inspection	TRAFFIC INSPECTION FACILITY	Transportation
Customs	TRAFFIC INSPECTION FACILITY	Transportation
Custom Station	TRAFFIC INSPECTION FACILITY	Transportation
Port of Entry	TRAFFIC INSPECTION FACILITY	Transportation
Weigh	TRAFFIC INSPECTION FACILITY	Transportation
TRAIL	TRAIL	Transportation
Historic	TRAIL	Transportation
Recreation	TRAIL	Transportation
Scenic	TRAIL	Transportation
TRAILHEAD	TRAILHEAD	Built-up
Transit	RAILWAY	Transportation
TRANSMISSION LINE	TRANSMISSION LINE	Built-up
Power	TRANSMISSION LINE	Built-up
Telephone	TRANSMISSION LINE	Built-up
Treatment	RESERVOIR	Hydrography
Cooling Pond	RESERVOIR	Hydrography
Filtration Pond	RESERVOIR	Hydrography
Settling Pond	RESERVOIR	Hydrography
Sewage Treatment Pond	RESERVOIR	Hydrography
TREE	TREE	Veg Surface Cover
TREES	TREES	Veg Surface Cover
Scattered Trees	TREES	Veg Surface Cover
Woodland	TREES	Veg Surface Cover
Truck	ROUTE	Transportation
TUNNEL	TUNNEL	Hydrography
	TUNNEL	Transportation
TUNNEL ENTRANCE	TUNNEL ENTRANCE	Transportation
Air Ventilation	TUNNEL ENTRANCE	Transportation
Turning Roadway	ROAD	Transportation
TURNTABLE	TURNTABLE	Transportation
-U-		
Underwater	CONTOUR	Hypsography
Unimproved Road	ROAD	Transportation
Forest Development Road	ROAD	Transportation
4-Wheel-Drive Road	ROAD	Transportation
U.S. Numbered	ROUTE	Transportation
U.S. Survey	SPECIAL SURVEY AREAS	PLSS
USDA Forest Service	ROUTE	Transportation
-V-		
VALLEY	VALLEY	Named Landforms

Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps
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 Appendix 1-B: Feature/Characteristic to Feature Template/Theme Crosswalk

Feature/Characteristic	Feature Template	Theme
Valve	PIPELINE REGULATION STATION	Built-up
Vines/Bushes	CULTIVATED CROPLAND	Veg Surface Cover
-W-		
WALL	WALL	Built-up
Sea	WALL	Hydrography
Warrant Lot	WALL	Hydrography
WASH	PUBLIC LAND SURVEY SYSTEM AREA	PLSS
Waste Rock	WASH	Hydrography
Water	DISPOSAL SITE	Built-up
Water Intake	WELL	Hydrography
WATER INTAKE/OUTFLOW	TOWER	Built-up
Intake	TOWER	Built-up
Outflow	WATER/INTAKE OUTFLOW	Hydrography
Water Storage	WATER/INTAKE OUTFLOW	Hydrography
Water Tank	RESERVOIR	Hydrography
Water Tower	TANK	Built-up
WATERFALL	TOWER	Built-up
Weak Corner	WATERFALL	Hydrography
Weigh	SURVEY CORNER	PLSS
WELL	TRAFFIC INSPECTION FACILITY	Transportation
Heat	WELL	Built-up
Non-Producing	WELL	Hydrography
Producing	WELL	Hydrography
Water	WELL	Built-up
Alkaline	WELL	Built-up
Hot	WELL	Hydrography
Sulphur	WELL	Hydrography
Well Area	WELL	Hydrography
WELL FIELD	HAZARD ZONE	Hydrography
WHARF	WELL FIELD	Built-up
Wilderness	WHARF	Built-up
Wildlife	RESERVATION	Boundaries
Wind	RESERVATION	Boundaries
WINDMILL	POWER SITE	Built-up
Generator	WINDMILL	Built-up
Winter Recreation Area	WINDMILL	Built-up
Witness Corner	SPORTS SITE	Built-up
Witness Point	SURVEY CORNER	PLSS
Woodland	SURVEY CORNER	PLSS
Work Center	TREES	Veg Surface Cover
WRECK	BUILDING	Built-up
Hull and/or	WRECK	Hydrography
Superstructure	WRECK	Hydrography
Mast and/or Funnel	WRECK	Hydrography
Wreckage Area	HAZARD ZONE	Hydrography

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Appendix 1-B: Feature/Characteristic to Feature Template/Theme Crosswalk

Feature/Characteristic	Feature Template	Theme
-X-		
-Y-		
-Z-		
Zoo	PARK	Built-up

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APPENDIX 1-C

Part 5 Publication Symbols Index to Feature Template/Theme Crosswalk

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The crosswalk in this appendix relates the symbol names listed in the index of the Standards for 1:24,000- and 1:25,000-Scale Quadrangle Maps, Part 5: Publication Symbols to the feature templates. This crosswalk does not attempt to show the complete relationships between all of the symbols and feature characteristics in the templates, nor is it intended to imply that the symbol indicated is the correct one to show on the map in all cases. The reader must refer to the Standards for 1:24,000- and 1:25,000-Scale Quadrangle Maps, Part 5: Publication Symbols and the feature templates for the complete depiction specifications to determine the correct features to show.

The entries that are unique to single edition maps have asterisks (*) next to them. In some cases, additional feature templates and themes that relate to the index symbol name are listed, to improve the usefulness of the crosswalk.

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 Crosswalk

Part 5 Index Entry	Feature Template	Theme
-A-		
Airboat trail	LANE	Transportation
Airport	AIRCRAFT FACILITY	Transportation
Apron	RUNWAY/APRON/TAXIWAY	Transportation
Aqueduct	CANAL/DITCH	Hydrography
aboveground	CANAL/DITCH	Hydrography
underground	PIPELINE	Hydrography
underwater	PIPELINE	Hydrography
tunnel	TUNNEL	Hydrography
Archeological site	ARCHEOLOGICAL SITE/RUIN	Built-up
Area between shoreline and sounding datum line (topographic/bathymetric)	N/A	N/A
Area limits	CABLE/PIPELINE SITE	Built-up
Area to be submerged	AREA TO BE SUBMERGED	Hydrography
Area to be submerged (fill)	AREA TO BE SUBMERGED	Hydrography
Arrow, one-way	ROAD	Transportation
Athletic field	ATHLETIC FIELD	Built-up
-B-		
Bathymetric Contour	N/A	N/A
approximate	N/A	N/A
depression	N/A	N/A
index	N/A	N/A
intermediate	N/A	N/A
rise, inside depression	N/A	N/A
sounding datum	N/A	N/A
value label	N/A	N/A
Bathymetric contour, primary	N/A	N/A
approximate	N/A	N/A
depression	N/A	N/A
index	N/A	N/A
primary	N/A	N/A
rise, inside depression	N/A	N/A
Bathymetric contour, supplementary	N/A	N/A
approximate	N/A	N/A
supplementary	N/A	N/A
supplementary depression	N/A	N/A
rise, inside depression	N/A	N/A
Bathymetric feature names	N/A	N/A
Bathymetric gradient tint	N/A	N/A
first	N/A	N/A
second	N/A	N/A
third	N/A	N/A
fourth	N/A	N/A
fifth	N/A	N/A
sixth	N/A	N/A
seventh	N/A	N/A
overprint	N/A	N/A
Battle trench	EMBANKMENT	Built-up
Beach, gravel	BARREN LAND	Nonveg Surface Cover
	BEACH	Nonveg Surface Cover
	TOWER	Built-up
Beacon (topographic)		
Bench mark (coincident with found section corner)	SURVEY CORNER	PLSS
Boardwalk	BOARDWALK	Built-up
*Boat access, no ramp	LAUNCHING RAMP	Built-up
Boat ramp	LAUNCHING RAMP	Built-up

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Part 5 Index Entry	Feature Template	Theme
Boundary	BOUNDARY LINE	Boundaries
Alaska borough	COUNTY	Boundaries
barrio	MINOR CIVIL DIVISION	Boundaries
city park	PARK	Built-up
civil township	MINOR CIVIL DIVISION	Boundaries
county	COUNTY	Boundaries
county park, large	RESERVATION	Boundaries
county park, small	RESERVATION	Boundaries
district	MINOR CIVIL DIVISION	Boundaries
federally administered area	RESERVATION	Boundaries
*Forest Service administrative	RESERVATION	Boundaries
*Forest Service land status		
outline	LAND PARCEL	Boundaries
*Forest Service ranger district	RESERVATION	Boundaries
Hawaii forest reserve	N/A	N/A
Hawaiian homestead	N/A	N/A
in road	BOUNDARY LINE	Boundaries
incorporated city, town, village, borough, or hamlet	CITY	Boundaries
indefinite	BOUNDARY LINE	Boundaries
judicial division	COUNTY	Boundaries
municipio	COUNTY	Boundaries
national	NATION	Boundaries
*Non-National Forest System lands	LAND PARCEL	Boundaries
old Indian reservation	SURVEY LINE	PLSS
old Indian treaty line	SURVEY LINE	PLSS
parish	COUNTY	Boundaries
precinct	MINOR CIVIL DIVISION	Boundaries
State	STATE	Boundaries
State forest, monument, park, or reservation	RESERVATION	Boundaries
territorial	STATE	Boundaries
town	MINOR CIVIL DIVISION	Boundaries
Boundary enhancement (federally administered area)	RESERVATION	Boundaries
Boundary monument	BOUNDARY POINT	Boundaries
with number and elevation	BOUNDARY POINT	Boundaries
third order or better elevation, with tablet		
third order or better elevation, without tablet	BOUNDARY POINT	Boundaries
Braided stream	AREA OF COMPLEX CHANNELS	Hydrography
Breakwater	PIER/BREAKWATER/JETTY	Built-up
narrow	PIER/BREAKWATER/JETTY	Built-up
wide	PIER/BREAKWATER/JETTY	Built-up
Breastworks	EMBANKMENT	Built-up
Bridge	BRIDGE	Transportation
highway or road	BRIDGE	Transportation
railroad	BRIDGE	Transportation
road	BRIDGE	Transportation
Building	BUILDING	Built-up
Built-up area	BUILT-UP AREA	Built-up
-C-		
Cableway	CABLEWAY	Built-up
Campground	CAMPGROUND	Built-up
*name	CAMPGROUND	Built-up
Campsite	CAMPGROUND	Built-up

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Crosswalk

Part 5 Index Entry	Feature Template	Theme
Canal	CANAL/DITCH	Hydrography
double-line	CANAL/DITCH	Hydrography
single-line	CANAL/DITCH	Hydrography
Canal lock	GATE	Hydrography
Carline	RAILWAY	Transportation
Carolina bay	BASIN	Named Landforms
Causeway	PIER/BREAKWATER/JETTY	Built-up
narrow	PIER/BREAKWATER/JETTY	Built-up
wide	PIER/BREAKWATER/JETTY	Built-up
Cave entrance	CAVE ENTRANCE	Named Landforms
Cemetery	CEMETERY	Built-up
Channel	LANE	Transportation
in water area	LANE	Transportation
less than 100' wide (topo/bathy)	N/A	N/A
100'-400' wide (topo/bathy)	N/A	N/A
over 400' wide (topo/bathy)	N/A	N/A
Cliff dwelling	ARCHEOLOGICAL SITE/RUIN	Built-up
Cog railway	RAILWAY	Transportation
Coke ovens	KILN	Built-up
College	BUILDING	Built-up
	INSTITUTIONAL SITE	Built-up
College (for 1:63,360-scale quadrangle maps)	BUILDING	Built-up
	INSTITUTIONAL SITE	Built-up
Compressor station	PIPELINE REGULATION STATION	Built-up
Continental divide	DIVIDE	Named Landforms
Contour	CONTOUR	Hypsography
adjacent depression	CONTOUR	Hypsography
approximate	CONTOUR	Hypsography
at ditches and canals	CONTOUR	Hypsography
at levee or spoil bank	CONTOUR	Hypsography
bathymetric	N/A	N/A
carrying	CONTOUR	Hypsography
depression	CONTOUR	Hypsography
feathering-out treatment	CONTOUR	Hypsography
glacier or permanent snowfield, indefinite	CONTOUR	Hypsography
glacier or permanent snowfield, indefinite depression	CONTOUR	Hypsography
indefinite	CONTOUR	Hypsography
indefinite depression	CONTOUR	Hypsography
index	CONTOUR	Hypsography
intermediate	CONTOUR	Hypsography
obsolete	N/A	N/A
supplementary	CONTOUR	Hypsography
supplementary depression	CONTOUR	Hypsography
supplementary indefinite depression	CONTOUR	Hypsography
Conveyor	CONVEYOR	Built-up
Coral	REEF	Hydrography
reef (topographic)	REEF	Hydrography
Reef (topographic) (fill)	REEF	Hydrography
Reef (topo/bathy)	N/A	N/A
Reef (topo/bathy) (fill)	N/A	N/A
Corral	HOLDING PEN	Built-up
Cranberry bog	CULTIVATED CROPLAND	Veg Surface Cover
Crevasse field	CREVASSE FIELD	Hydrography
*Cul-de-sac	CUL-DE-SAC	Transportation

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Crosswalk

Part 5 Index Entry	Feature Template	Theme
Cul-de-sac	CUL-DE-SAC	Transportation
-D-		
Dam	DAM/WEIR	Hydrography
carrying road	DAM/WEIR	Hydrography
diversion	EMBANKMENT	Built-up
earthen outline	DAM/WEIR	Hydrography
large earth	CONTOUR	Hypsography
masonry	DAM/WEIR	Hydrography
masonry (fill)	DAM/WEIR	Hydrography
with lock	DAM/WEIR	Hydrography
	LOCK CHAMBER	Hydrography
	GATE	Hydrography
Datum shift tick	N/A (Show)	N/A (Show)
Dike	EMBANKMENT	Built-up
Ditch	CANAL/DITCH	Hydrography
double-line	CANAL/DITCH	Hydrography
single-line	CANAL/DITCH	Hydrography
Diversion dam	EMBANKMENT	Built-up
Donation land claim	PUBLIC LAND SURVEY AREA	PLSS
	SURVEY LINE	PLSS
Drawbridge	BRIDGE	Transportation
highway or road	DRAW SPAN	Transportation
	BRIDGE	Transportation
railroad	DRAW SPAN	Transportation
	BRIDGE	Transportation
road	DRAW SPAN	Transportation
	BRIDGE	Transportation
	DRAW SPAN	Transportation
Drive-in theater	DRIVE-IN THEATER SCREEN	Built-up
	OUTDOOR THEATER	Built-up
Dry lake or pond	PLAYA	Hydrography
Dry lake or pond (fill)	PLAYA	Hydrography
Drydock	DRYDOCK	Built-up
Duck pond	INUNDATION AREA	Hydrography
Duck pond (fill)	INUNDATION AREA	Hydrography
-E-		
Evaporator	RESERVOIR	Hydrography
-F-		
Federally administered area boundary	BOUNDARY LINE	Boundaries
Federally administered area boundary (enhancement)	BOUNDARY LINE	Boundaries
Feedlot	HOLDING PEN	Built-up
Fence line	FENCE LINE	Built-up
Ferry	LANE	Transportation
highway or road	LANE	Transportation
railroad	LANE	Transportation
Field line	FENCE LINE	Built-up
Fish hatchery	AQUACULTURE SITE	Built-up
	RESERVOIR	Hydrography
Fish hatchery (fill)	AQUACULTURE SITE	Built-up
	RESERVOIR	Hydrography
Fish ladder	FISH LADDER	Hydrography

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Part 5 Index Entry	Feature Template	Theme
Flat	FORESHORE	Hydrography
salt	PLAYA	Hydrography
foreshore	FORESHORE	Hydrography
Floodgate	GATE	Hydrography
Flume	FLUME	Hydrography
Footbridge	BRIDGE	Transportation
Ford (on class 3 road)	FORD	Transportation
*Ford (on unimproved road)	FORD	Transportation
Foreshore flat	FORESHORE	Hydrography
*Forest Headquarters	BUILDING	Built-up
*Forest System land status outline	LAND PARCEL RESERVATION	Boundaries Boundaries
*Forest System land status, non- national (fill)	LAND PARCEL RESERVATION	Boundaries Boundaries
Found closing corner	SURVEY CORNER	PLSS
Found section corner	SURVEY CORNER	PLSS
bench mark coincident with	SURVEY CORNER	PLSS
Fracture	FRACTURE	Named Landforms
Fumarole	FUMAROLE	Hydrography
-G-		
Gaging station	GAGING STATION	Hydrography
Gate	GATE	Transportation
flood	GATE	Hydrography
*gate	GATE	Transportation
sluice	GATE	Hydrography
tide	GATE	Hydrography
toll	GATE	Transportation
Geyser	GEYSER	Hydrography
Glacial	ICE MASS	Hydrography
advance	ICE MASS	Hydrography
moraine	MORaine	Nonveg Surface Cover
retreat	ICE MASS	Hydrography
Glacier	ICE MASS	Hydrography
extent of ice	ICE MASS	Hydrography
indefinite contours	CONTOUR	Hypsography
indefinite depression contours	CONTOUR	Hypsography
Graticule intersection	N/A (Show)	N/A (Show)
Graticule tick	N/A (Show)	N/A (Show)
Kentucky and Tennessee	N/A (Show)	N/A (Show)
Grave	CEMETERY	Built-up
Gravel beach	BARREN LAND	Nonveg Surface Cover
	BEACH	Nonveg Surface Cover
*Guard Station	BUILDING	Built-up
-H-		
Helipad	AIRCRAFT FACILITY	Transportation
	HELIPAD	Transportation
*Helispot	HELISPOT	Transportation
Highway	ROAD	Transportation
bridge	BRIDGE	Transportation
drawbridge	BRIDGE	Transportation
	DRAW SPAN	Transportation
ferry	LANE	Transportation
island	ROAD	Transportation
on dam	ROAD	Transportation

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Part 5 Index Entry	Feature Template	Theme
Highway - continued		
overpass	ROAD	Transportation
primary (class 1)	ROAD	Transportation
primary (class 1) (fill)	ROAD	Transportation
primary (class 1) with median strip	ROAD	Transportation
ramps	ROAD	Transportation
route markers	ROUTE	Transportation
secondary (class 2)	ROAD	Transportation
secondary (class 2) (fill)	ROAD	Transportation
secondary (class 2) with median strip	ROAD	Transportation
snowshed	BUILDING	Built-up
tunnel with median	TUNNEL	Transportation
tunnel without median	TUNNEL	Transportation
under construction, class 1	ROAD	Transportation
underpass	ROAD	Transportation
Holiday area (topo/bathy)	N/A	N/A
Homestead monument	SURVEY CORNER	PLSS
Horizontal control station	N/A (Show)	N/A (Show)
coincident with found section corner	SURVEY CORNER	PLSS
with checked spot elevation	SPOT ELEVATION	Hypsography
with third-order or better elevation	N/A (Show)	N/A (Show)
House of worship	BUILDING	Built-up
House of worship (for 1:63,360-scale quadrangle maps)	BUILDING	Built-up
-I-		
Inadequate survey area (topo/bathy)	N/A	N/A
Incline railway	RAILWAY	Transportation
Intertidal zone (topo/bathy)	N/A	N/A
-J-		
Jetty	PIER/BREAKWATER/JETTY	Built-up
narrow	PIER/BREAKWATER/JETTY	Built-up
submerged (topo/bathy)	N/A	N/A
wide	PIER/BREAKWATER/JETTY	Built-up
-K-		
-L-		
Labels	(See appropriate feature)	
bathymetric contour value	N/A	N/A
contour value	CONTOUR	Hypsography
*county road	ROUTE	Transportation
highway route marker	ROUTE	Transportation
hydrography feature	(See appropriate feature)	
interior	(See appropriate feature)	
land net	PUBLIC LAND SURVEY AREA	PLSS
margin type	N/A (Show)	N/A (Show)
*National Forest, high clearance vehicles	ROUTE	Transportation
*National Forest, primary road	ROUTE	Transportation
*National Forest, scenic byway	SCENIC BYWAY	Transportation

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Part 5 Index Entry	Feature Template	Theme
Labels - continued		
*National Forest, secondary road	ROUTE	Transportation
road route marker	ROUTE	Transportation
*trail, national scenic, recreational, or historic route	ROUTE	Transportation
*trail number, Forest Service	TRAIL	Transportation
*trail number, Forest Service	TRAIL	Transportation
Lake	LAKE/POND	Hydrography
dry	PLAYA	Hydrography
dry (fill)	PLAYA	Hydrography
intermittent	LAKE/POND	Hydrography
intermittent (fill)	LAKE/POND	Hydrography
perennial	LAKE/POND	Hydrography
perennial (fill)	LAKE/POND	Hydrography
perennial salt	LAKE/POND	Hydrography
perennial salt (fill)	LAKE/POND	Hydrography
Land grant line	LAND GRANT	PLSS
	SURVEY LINE	PLSS
Land grant monument	SURVEY CORNER	PLSS
Land subject to inundation	INUNDATION AREA	Hydrography
Land subject to inundation (fill)	INUNDATION AREA	Hydrography
Landing strip	RUNWAY/APRON/TAXIWAY	Transportation
paved	RUNWAY/APRON/TAXIWAY	Transportation
seaplane	LANE	Transportation
unpaved	RUNWAY/APRON/TAXIWAY	Transportation
Landmark object	(See appropriate feature)	
Lava	BARREN LAND	Nonveg Surface Cover
	INCLINE/FLOW	Named Landforms
Lava flow outline	N/A	N/A
Levee	EMBANKMENT	Built-up
large	EMBANKMENT	Built-up
with road or railroad	EMBANKMENT	Built-up
Located object	(See appropriate feature)	
Location monument	SURVEY CORNER	PLSS
-M-		
Mangrove	TREES	Veg Surface Cover
Mangrove (fill)	TREES	Veg Surface Cover
Marsh	SWAMP/MARSH	Hydrography
submerged	SWAMP/MARSH	Hydrography
submerged (fill)	SWAMP/MARSH	Hydrography
Masonry		
dam	DAM/WEIR	Hydrography
dam (fill)	DAM/WEIR	Hydrography
reservoir	RESERVOIR	Hydrography
spillway	SPILLWAY	Hydrography
Meander corner	SURVEY CORNER	PLSS
*Military or warrant lot line	PUBLIC LAND SURVEY AREA	PLSS
	SURVEY LINE	PLSS
Mine	MINE	Built-up
dump	DISPOSAL SITE	Built-up
entrance	MINE ENTRANCE	Built-up
former	MINE	Built-up
open pit	MINE	Built-up
open pit (fill)	MINE	Built-up
shaft	MINE ENTRANCE	Built-up
strip	MINE	Built-up
Mineral monument	SURVEY CORNER	PLSS

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Part 5 Index Entry	Feature Template	Theme
Mineral monument, U.S.	SURVEY CORNER	PLSS
Mining claim	SPECIAL SURVEY AREA	PLSS
	SURVEY LINE	PLSS
Monorail	MONORAIL	Transportation
Mud flat	FORESHORE	Hydrography
	PLAYA	Hydrography
Mud pot	MUD POT	Hydrography
-N-		
Name	(See appropriate feature)	
barrio	MINOR CIVIL DIVISION	Boundaries
bathymetric feature	N/A	N/A
*campground	CAMPGROUND	Built-up
civil township	MINOR CIVIL DIVISION	Boundaries
district	MINOR CIVIL DIVISION	Boundaries
hydrographic feature	(See appropriate feature)	
interior	(See appropriate feature)	
land net	PUBLIC LAND SURVEY AREA	PLSS
*picnic area	PARK	Built-up
precinct	MINOR CIVIL DIVISION	BOUNDARIES
quadrangle (title panel)	N/A (Show)	N/A (Show)
*scenic byway	SCENIC BYWAY	Transportation
town	MINOR CIVIL DIVISION	Boundaries
Neatline	N/A (Show)	N/A (Show)
Nonearthen shore	NONEARTHEN SHORE	Hydrography
-O-		
Oil sump	RESERVOIR	Built-up
Oil sump (fill)	RESERVOIR	Built-up
Open pit mine	MINE	Built-up
Open pit mine (fill)	MINE	Built-up
Open water area, perennial	(See appropriate feature)	
Orchard	CULTIVATED CROPLAND	Veg Surface Cover
Overpass		
highway	ROAD	Transportation
railroad	RAILWAY	Transportation
road	ROAD	Transportation
-P-		
Penstock	PIPELINE	Hydrography
aboveground	PIPELINE	Hydrography
underground	PIPELINE	Hydrography
underwater	PIPELINE	Hydrography
Permanent snowfield	ICE MASS	Hydrography
extent of ice	ICE MASS	Hydrography
indefinite contours	CONTOUR	Hypsography
indefinite depression contours	CONTOUR	Hypsography
Picnic area	PARK	Built-up
*name	PARK	Built-up
	REST SITE	Transportation
Pier	PIER/BREAKWATER/JETTY	Built-up
covered	PIER/BREAKWATER/JETTY	Built-up
narrow	PIER/BREAKWATER/JETTY	Built-up
narrow, ruin	PIER/BREAKWATER/JETTY	Built-up
wide	PIER/BREAKWATER/JETTY	Built-up
wide, ruin	PIER/BREAKWATER/JETTY	Built-up

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Part 5 Index Entry	Feature Template	Theme
Pipeline	PIPELINE	Built-up Hydrography
aboveground	PIPELINE	Built-up
aboveground water	PIPELINE	Hydrography
elevated	PIPELINE	Built-up
elevated water	PIPELINE	Hydrography
submerged	N/A	N/A
submerged water	N/A	N/A
underground	PIPELINE	Built-up
underground water	PIPELINE	Hydrography
Pit	MINE	Built-up
former	MINE	Built-up
sludge	RESERVOIR	Built-up
Pit (fill)	MINE	Built-up
sludge (fill)	RESERVOIR	Built-up
Platform	OFFSHORE PLATFORM	Built-up
Pond	LAKE/POND	Hydrography
dry	PLAYA	Hydrography
dry (fill)	PLAYA	Hydrography
duck	INUNDATION AREA	Hydrography
duck (fill)	INUNDATION AREA	Hydrography
intermittent	LAKE/POND	Hydrography
intermittent (fill)	LAKE/POND	Hydrography
perennial	LAKE/POND	Hydrography
perennial (fill)	LAKE/POND	Hydrography
perennial salt	LAKE/POND	Hydrography
perennial salt (fill)	LAKE/POND	Hydrography
Power substation	SUBSTATION	Built-up
Power transmission line	TRANSMISSION LINE	Built-up
Prospect	PROSPECT	Built-up
Pulloff area	REST SITE	Transportation
	ROAD	Transportation
*Pulloff area	REST SITE	Transportation
	ROAD	Transportation
Pumping station	PIPELINE REGULATION STATION	Built-up
-Q-		
Quarry	MINE	Built-up
former	MINE	Built-up
Quarry (fill)	MINE	Built-up
-R-		
Racetrack	RACETRACK	Built-up
Raceway	SPORTS SITE	Built-up
Railroad	RAILWAY	Transportation
bridge	BRIDGE	Transportation
drawbridge	BRIDGE	Transportation
	DRAW SPAN	Transportation
ferry	LANE	Transportation
*in light-duty road	RAILWAY	Transportation
in street (class 1 and 2 highways)	RAILWAY	Transportation
in street (class 3 and 4 roads)	RAILWAY	Transportation
narrow gauge, multiple tracks	RAILWAY	Transportation
narrow gauge, single track	RAILWAY	Transportation
overpass	RAILWAY	Transportation

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Part 5 Index Entry	Feature Template	Theme
Railroad - continued		
roundhouse	BUILDING	Built-up
siding	RAILWAY	Transportation
snowshed	BUILDING	Built-up
standard gauge, multiple tracks	RAILWAY	Transportation
standard gauge, single track	RAILWAY	Transportation
transit, multiple tracks	RAILWAY	Transportation
transit, single track	RAILWAY	Transportation
tunnel	TUNNEL	Transportation
underpass	RAILWAY	Transportation
yard	RAILWAY YARD	Transportation
yard (fill)	RAILWAY YARD	Transportation
Railway	RAILWAY	Transportation
cog	RAILWAY	Transportation
incline	RAILWAY	Transportation
Ramp, boat or seaplane	LAUNCHING RAMP	Built-up
Range line	SURVEY LINE	PLSS
location approximate	SURVEY LINE	PLSS
*location doubtful	SURVEY LINE	PLSS
other land surveys	SURVEY LINE	PLSS
protracted	SURVEY LINE	PLSS
*Ranger district office	BUILDING	Built-up
Rapids	RAPIDS	Hydrography
on double-line stream	RAPIDS	Hydrography
on single-line stream	RAPIDS	Hydrography
Recreational slide	RECREATIONAL SLIDE	Built-up
Redoubt	EMBANKMENT	Built-up
Reef	REEF	Hydrography
coral (topographic)	REEF	Hydrography
coral (topographic) (fill)	REEF	Hydrography
coral (topo/bathy)	N/A	N/A
coral (topo/bathy) (fill)	N/A	N/A
rock (topographic)	REEF	Hydrography
rock (topographic) (fill)	REEF	Hydrography
rock (topo/bathy)	N/A	N/A
rock (topo/bathy) (fill)	N/A	N/A
Reference monument	BOUNDARY POINT	Boundaries
Reservoir	RESERVOIR	Hydrography
covered water	RESERVOIR	Built-up
covered water (fill)	RESERVOIR	Hydrography
masonry	RESERVOIR	Hydrography
masonry (fill)	RESERVOIR	Hydrography
Rest area	REST SITE	Transportation
ROAD	ROAD	Transportation
*Rest area	REST SITE	Transportation
ROAD	ROAD	Transportation
River mileage marker	MILE MARKER	Hydrography
Road	ROAD	Transportation
*block, berm, or barrier	ROAD BLOCK/BERM/BARRIER	Transportation
bridge	BRIDGE	Transportation
bridge (class 3 road)	BRIDGE	Transportation
change in classification	ROAD	Transportation
class 3	ROAD	Transportation
class 3 with median	ROAD	Transportation
class 4	ROAD	Transportation
class 5	ROAD	Transportation
drawbridge	BRIDGE	Transportation
DRAW SPAN	DRAW SPAN	Transportation

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Part 5 Index Entry	Feature Template	Theme
Road - continued		
drawbridge (class 3 road)	BRIDGE	Transportation
ferry	DRAW SPAN	Transportation
*four-wheel-drive (class 5)	LANE	Transportation
*light-duty, dirt (class 3c)	ROAD	Transportation
*light-duty, dirt (class 3c) (fill)	ROAD	Transportation
*light-duty, composition unspecified (class 3)	ROAD	Transportation
*light-duty, gravel (class 3b)	ROAD	Transportation
*light-duty, gravel (class 3b) (fill)	ROAD	Transportation
*light-duty, paved (class 3a)	ROAD	Transportation
*light-duty, paved (class 3a) (fill)	ROAD	Transportation
overpass	ROAD	Transportation
route markers	ROUTE	Transportation
snowshed	BUILDING	Built-up
tunnel (class 1 and 2 highway)	TUNNEL	Transportation
tunnel (class 3 road)	TUNNEL	Transportation
underpass	ROAD	Transportation
*unimproved (class 4)	ROAD	Transportation
Roadside park	REST SITE	Transportation
Rock	ROCK	Hydrography
bare or awash (topographic)	ROCK	Hydrography
bare or awash (topo/bathy)	N/A	N/A
bare or awash (topographic; dangerous to navigation)	HAZARD ZONE	Hydrography
reef (topographic)	ROCK	Hydrography
reef (topographic) (fill)	REEF	Hydrography
reef (topo/bathy)	N/A	N/A
reef (topo/bathy) (fill)	N/A	N/A
Rocks, group of	HAZARD ZONE	Hydrography
bare or awash (topographic)	HAZARD ZONE	Hydrography
bare or awash (topo/bathy)	ROCK	Hydrography
sunken (topo/bathy)	N/A	N/A
Roundhouse	N/A	N/A
Ruins	BUILDING	Built-up
Runways	ARCHEOLOGICAL SITE/RUIN	Built-up
	RUNWAY/APRON/TAXIWAY	Transportation
-S-		
Salt flat	PLAYA	Hydrography
Sand	BARREN LAND	Nonveg Surface Cover
Sand dunes	PLAYA	Hydrography
Sand in open water	DUNES	Nonveg Surface Cover
*Scenic byway name	BAR	Named Landforms
School	BARREN LAND	Nonveg Surface Cover
School (for 1:63,360-scale quadrangle maps)	SCENIC BYWAY	Transportation
*Seaplane anchorage	BUILDING	Built-up
*Seaplane base	INSTITUTIONAL SITE	Built-up
	BUILDING	Built-up
	INSTITUTIONAL SITE	Built-up
	ANCHORAGE	Hydrography
	AIRCRAFT FACILITY	Transportation

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Part 5 Index Entry	Feature Template	Theme
Seaplane landing area	LANE	Transportation
Seaplane ramp	LAUNCHING RAMP	Built-up
Seawall	WALL	Hydrography
Section line	PUBLIC LAND SURVEY AREA	PLSS
location approximate	SURVEY LINE	PLSS
*location doubtful	SURVEY LINE	PLSS
*military or warrant lot line	SURVEY LINE	PLSS
other land surveys	SURVEY LINE	PLSS
protracted	SURVEY LINE	PLSS
Seep	SPRING/SEEP	Hydrography
Service area	REST SITE	Transportation
	ROAD	Transportation
*Service area	REST SITE	Transportation
	ROAD	Transportation
Sewage disposal plant	SEWAGE DISPOSAL PLANT	Built-up
Sewage disposal plant (fill)	SEWAGE DISPOSAL PLANT	Built-up
Sewerline, submerged (topo/bathy)	N/A	N/A
Shoal	HAZARD ZONE	Hydrography
Shoreline	SHORELINE	Hydrography
apparent	SHORELINE	Hydrography
indefinite	SHORELINE	Hydrography
nonearthen	NONEARTHEN SHORE	Hydrography
reservoir	RESERVOIR	Hydrography
tailings pond	RESERVOIR	Hydrography
unsurveyed	SHORELINE	Hydrography
Shrubland	SHRUBLAND	Veg Surface Cover
Siphon	PIPELINE	Hydrography
Ski lift	CABLEWAY	Built-up
Sludge pit	RESERVOIR	Built-up
Sludge pit (fill)	RESERVOIR	Built-up
Sluice gate	GATE	Hydrography
Snowfield, permanent	ICE MASS	Hydrography
Snowshed	BUILDING	Built-up
highway or road	BUILDING	Built-up
railroad	BUILDING	Built-up
Sounding datum line (topo/bathy)	N/A	N/A
Special survey monument	SURVEY CORNER	PLSS
Spillway	SPILLWAY	Hydrography
Spoil area (topo/bathy)	N/A	N/A
Spoil bank	EMBANKMENT	Built-up
Spot elevation	SPOT ELEVATION	Hypsography
Spring	SPRING/SEEP	Hydrography
State plane coordinate tick		
primary	N/A (Show)	N/A (Show)
quaternary	N/A (Show)	N/A (Show)
quintary	N/A (Show)	N/A (Show)
secondary	N/A (Show)	N/A (Show)
tertiary	N/A (Show)	N/A (Show)
Stockyard	HOLDING PEN	Built-up
Stream	STREAM/RIVER	Hydrography
braided	AREA OF COMPLEX CHANNELS	Hydrography
disappearing at a sink	SINK/RISE	Hydrography
double-line intermittent	STREAM/RIVER	Hydrography
double-line intermittent (fill)	STREAM/RIVER	Hydrography
double-line perennial	STREAM/RIVER	Hydrography
double-line perennial (fill)	STREAM/RIVER	Hydrography
indefinite intermittent	STREAM/RIVER	Hydrography
indefinite perennial	STREAM/RIVER	Hydrography

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Part 5 Index Entry	Feature Template	Theme
Stream - continued		
reappearing at a sink	SINK/RISE	Hydrography
single-line intermittent	STREAM/RIVER	Hydrography
single-line perennial	STREAM/RIVER	Hydrography
submerged	SUBMERGED STREAM	Hydrography
unsurveyed intermittent	STREAM/RIVER	Hydrography
unsurveyed perennial	STREAM/RIVER	Hydrography
Swamp	SWAMP/MARSH	Hydrography
submerged	SWAMP/MARSH	Hydrography
submerged (fill)	SWAMP/MARSH	Hydrography
submerged wooded shoreline	SHORELINE	Hydrography
submerged wooded (fill)	SWAMP/MARSH	Hydrography
wooded	TREES	Veg Surface Cover
wooded (fill)	SWAMP/MARSH	Hydrography
wooded	TREES	Veg Surface Cover
wooded (fill)	TREES	Veg Surface Cover
Swimming pool	RESERVOIR	Hydrography
Swimming pool (fill)	RESERVOIR	Hydrography
-T-		
Tailings	DISPOSAL SITE	Built-up
former	DISPOSAL SITE	Built-up
Tailings pond	RESERVOIR	Hydrography
Tailings pond (fill)	RESERVOIR	Hydrography
Tank	TANK	Built-up
Taxiway	RUNWAY/APRON/TAXIWAY	Transportation
Telephone line	TRANSMISSION LINE	Built-up
Tennessee Valley Divide	DIVIDE	Named Landforms
Tide station	GAGING STATION	Hydrography
Tidegate	GATE	Hydrography
Tollgate	GATE	Transportation
Township Line	PUBLIC LAND SURVEY AREA	PLSS
location approximate	SURVEY LINE	PLSS
*location doubtful	SURVEY LINE	PLSS
other land surveys	SURVEY LINE	PLSS
protracted	SURVEY LINE	PLSS
Tract	PUBLIC LAND SURVEY AREA	PLSS
Traffic circle	ROAD	Transportation
Traffic circle (class 3 road)	ROAD	Transportation
Trail	TRAIL	Transportation
*national scenic, recreation, or historic	TRAIL	Transportation
*Trailhead	SCENIC BYWAY	Transportation
Trees, scattered	TRAILHEAD	Transportation
Tunnel	TREES	Veg Surface Cover
aqueduct	TUNNEL	Hydrography
highway with median	TUNNEL	Transportation
highway without median	TUNNEL	Transportation
mine entrance	TUNNEL	Transportation
railroad	MINE ENTRANCE	Built-up
road	TUNNEL	Transportation
wing and cross tick for highway or road	TUNNEL	Transportation
Turntable	TUNNEL	Transportation
	TURNTABLE	Transportation

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Part 5 Index Entry	Feature Template	Theme
-U-		
Underpass	(See appropriate feature)	
highway	ROAD	Transportation
railroad	RAILWAY	Transportation
road	ROAD	Transportation
University	BUILDING	Built-up
	INSTITUTIONAL SITE	Built-up
University (for 1:63,360-scale quadrangle maps)	BUILDING	Built-up
	INSTITUTIONAL SITE	Built-up
UTM grid	N/A	N/A
*UTM grid tick	N/A (Show)	N/A (Show)
-V-		
Valve station	PIPELINE REGULATION STATION	Built-up
Vertical control station		
recoverable mark, no tablet	N/A (Show)	N/A (Show)
with tablet	N/A (Show)	N/A (Show)
Vineyard	CULTIVATED CROPLAND	Veg Surface Cover
-W-		
Wall	WALL	Built-up
	WALL	Hydrography
Wash	WASH	Hydrography
narrow	WASH	Hydrography
permanent channel in wash	STREAM/RIVER	Hydrography
wide	WASH	Hydrography
Water filtration plant	FILTRATION PLANT	Built-up
	RESERVOIR	Hydrography
Water filtration plant (fill)	FILTRATION PLANT	Built-up
	RESERVOIR	Hydrography
Waterfall	WATERFALL	Hydrography
on double-line stream	WATERFALL	Hydrography
on single-line stream	WATERFALL	Hydrography
*"Weak" corner	SURVEY CORNER	PLSS
Weir	DAM/WEIR	Hydrography
Well	WELL	Built-up
	WELL	Hydrography
geothermal	WELL	Hydrography
water	WELL	Hydrography
Wharf	WHARF	Built-up
Wind generator	WINDMILL	Built-up
Windmill	WINDMILL	Built-up
*Winter recreation area	SPORTS SITE	Built-up
Witness corner	SURVEY CORNER	PLSS
Wooded swamp	SWAMP/MARSH	Hydrography
	TREES	Veg Surface Cover
Wooded swamp (fill)	SWAMP/MARSH	Hydrography
	TREES	Veg Surface Cover
submerged shoreline	SHORELINE	Hydrography
submerged (fill)	SWAMP/MARSH	Hydrography
	TREES	Veg Surface Cover
Woods	TREES	Veg Surface Cover
submerged (fill)	TREES	Veg Surface Cover

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Part 5 Index Entry	Feature Template	Theme
*Work center	BUILDING	Built-up
Wreck	WRECK	Hydrography
exposed	WRECK	Hydrography
masts exposed or sunken	HAZARD ZONE	Hydrography
Wreckage, exposed	WRECK	Hydrography
	HAZARD ZONE	Hydrography
-X-		
-Y-		
-Z-		

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Crosswalk

APPENDIX 1-D

Part 6 Publication Symbols Index to Feature Template/Theme Crosswalk

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The crosswalk in this appendix relates the symbol names listed in the index for the Standards for 1:24,000- and 1:25,000-Scale Quadrangle Maps, Part 6: Publication Symbols to the feature templates. This crosswalk does not attempt to show the complete relationships between all of the symbols and feature characteristics in the templates, nor is it intended to imply that the symbol indicated is the correct one to show on the map in all cases. The reader must refer to the Standards for 1:24,000- and 1:25,000-Scale Quadrangle Maps, Part 5: Publication Symbols and the feature templates for the complete depiction specifications to determine the correct features to show.

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Part 6 Index Entry	Feature Template	Theme
-A-		
Adjacent depression contours	CONTOUR	Hypsography
Approximate boundary	BOUNDARY LINE	Boundaries
Approximate contour		
Index	CONTOUR	Hypsography
Intermediate	CONTOUR	Hypsography
Approximate mean low water line	SHORELINE	Hydrography
Aqueduct	CANAL/DITCH	Hydrography
Elevated	CANAL/DITCH	Hydrography
	FLUME	Hydrography
Tunnel	TUNNEL	Hydrography
Underground	CANAL/DITCH	Hydrography
Area limits	CABLE/PIPELINE SITE	Built-up
Area to be submerged	AREA TO BE SUBMERGED	Hydrography
	PIPELINE	Hydrography
-B-		
Beach, gravel	BARREN LAND	Nonveg Surface Cover
	BEACH	Nonveg Surface Cover
Bench mark coincident with found section corner	SURVEY CORNER	PLSS
Boardwalk	BOARDWALK	Built-up
Borrow pit	MINE	Built-up
Large	MINE	Built-up
Boundary		
Approximate	BOUNDARY LINE	Boundaries
Barrio	MINOR CIVIL DIVISION	Boundaries
Cemetery	CEMETERY	Built-up
City park	PARK	Built-up
Civil township	MINOR CIVIL DIVISION	Boundaries
County	COUNTY	Boundaries
County park	RESERVATION	Boundaries
District	MINOR CIVIL DIVISION	Boundaries
Federal reservation boundary enhancement	BOUNDARY LINE	Boundaries
Incorporated borough	CITY	Boundaries
Incorporated city	CITY	Boundaries
Incorporated hamlet	CITY	Boundaries
Incorporated town	CITY	Boundaries
Incorporated village	CITY	Boundaries
Indefinite	(See appropriate feature)	
In road	(See appropriate feature)	
Judicial division	COUNTY	Boundaries
Municipio	COUNTY	Boundaries
National	NATION	Boundaries
National monument	RESERVATION	Boundaries
National park	RESERVATION	Boundaries
National reservation	RESERVATION	Boundaries
Parish	COUNTY	Boundaries
Park		

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Part 6 Index Entry	Feature Template	Theme
Boundary - continued		
City	PARK	Built-up
County	RESERVATION	Boundaries
Private	PARK	Built-up
Small	PARK	Built-up
State	RESERVATION	Boundaries
Precinct	MINOR CIVIL DIVISION	Boundaries
State	STATE	Boundaries
State reservation	RESERVATION	Boundaries
Territory	STATE	Boundaries
Town	MINOR CIVIL DIVISION	Boundaries
Boundary monument		
With number & elevation	BOUNDARY POINT SPOT ELEVATION	Boundaries Hypsography
With tablet, with or without geodetic position, elevation third order or better	BOUNDARY POINT	Boundaries
Without tablet, with or without geodetic position elevation, third order or better	BOUNDARY POINT	Boundaries
Braided stream	AREA OF COMPLEX CHANNELS	Hydrography
Breakwater	PIER/BREAKWATER/JETTY	Built-up
Bridge		
Drawbridge, railroad	BRIDGE DRAW SPAN	Transportation Transportation
Drawbridge, road	BRIDGE DRAW SPAN	Transportation Transportation
Multiple track railroad	BRIDGE	Transportation
Over stream, road, railroad	BRIDGE BRIDGE	Hydrography Transportation
Road	BRIDGE	Transportation
Single track railroad	BRIDGE	Transportation
Bridle trail	TRAIL	Transportation
Brushwood	TREES	Veg Surface Cover
Building placement	BUILDING	Built-up
Buildings		
Large	BUILDING	Built-up
Small	BUILDING	Built-up
In congested areas	BUILDING	Built-up
-C-		
Campground	CAMPGROUND	Built-up
Canal	CANAL/DITCH	Hydrography
Contouring at	CONTOUR	Hypsography
Intermittent	CANAL/DITCH	Hydrography
Navigable	CANAL/DITCH	Hydrography
Carline	RAILWAY	Transportation
Dismantled	TRAIL	Transportation
Carrying contour	CONTOUR	Hypsography

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Part 6 Index Entry	Feature Template	Theme
Causeway	PIER/BREAKWATER/JETTY	Built-up
Cave	CAVE ENTRANCE	Named Landforms
Cemetery	CEMETERY	Built-up
Small	CEMETERY	Built-up
Change in number of lanes	N/A	N/A
Channel	LANE	Transportation
In wash, permanent	STREAM/RIVER	Hydrography
In water area	LANE	Transportation
Church	BUILDING	Built-up
In congested area	BUILDING	Built-up
Large	BUILDING	Built-up
Placement	BUILDING	Built-up
Claypit	MINE	Built-up
Large	MINE	Built-up
Cliff dwelling	ARCHEOLOGICAL SITE/RUIN	Built-up
Closing corner	SURVEY CORNER	PLSS
Found	SURVEY CORNER	PLSS
Indicated	SURVEY CORNER	PLSS
Cloverleaf	ROAD	Transportation
Coke ovens	KILN	Built-up
College	BUILDING	Built-up
	INSTITUTIONAL SITE	Built-up
Conduit, elevated	PIPELINE	Built-up
Contour		
Approximate		
Index	CONTOUR	Hypsography
Intermediate	CONTOUR	Hypsography
Carrying	CONTOUR	Hypsography
Depression	CONTOUR	Hypsography
Adjacent	CONTOUR	Hypsography
Supplementary	CONTOUR	Hypsography
Feathering out treatment	CONTOUR	Hypsography
Index	CONTOUR	Hypsography
Intermediate	CONTOUR	Hypsography
Supplementary	CONTOUR	Hypsography
Contouring		
At ditches and canals	CONTOUR	Hypsography
At levees	CONTOUR	Hypsography
Control points, objects that may or may not have geodetic position	BOUNDARY POINT	Boundaries
Coral reef	REEF	Hydrography
Small	REEF	Hydrography
Cranberry bog	CULTIVATED CROPLAND	Veg Surface Cover
Crevasses, glacial	CREVASSE FIELD	Hydrography
Cut	CONTOUR	Hypsography
-D-		
Dam		
Carrying road	DAM/WEIR	Hydrography
Large earth	CONTOUR	Hypsography
Large masonry	DAM/WEIR	Hydrography

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Part 6 Index Entry	Feature Template	Theme
Dam - continued		
Small masonry	DAM/WEIR	Hydrography
With lock	DAM/WEIR	Hydrography
	LOCK CHAMBER	Hydrography
	GATE	Hydrography
Danger curve	HAZARD ZONE	Hydrography
Dead end road	ROAD	Transportation
Depth curve	DEPTH CURVE	Hydrography
Depression contour	CONTOUR	Hypsography
Adjacent	CONTOUR	Hypsography
Supplementary	CONTOUR	Hypsography
Destination arrow	N/A	N/A
Direction arrow	ROAD	Transportation
Disappearing stream at definite point	SINK/RISE	Hydrography
Ditch		
Intermittent	CANAL/DITCH	Hydrography
Perennial	CANAL/DITCH	Hydrography
Ditches and canals, contouring at	CONTOUR	Hypsography
Dolphin	N/A	N/A
Drawbridge		
Railroad	BRIDGE	Transportation
	DRAW SPAN	Transportation
Road	BRIDGE	Transportation
	DRAW SPAN	Transportation
Drive-in theater	DRIVE-IN THEATER SCREEN	Built-up
	OUTDOOR THEATER	Built-up
Dry lake or pond	PLAYA	Hydrography
Drydock	DRYDOCK	Built-up
Dual highway		
Overall width 100' or less	ROAD	Transportation
Overall width over 100'	ROAD	Transportation
Dune area	DUNES	Nonveg Surface Cover
-E-		
Elevations, water surface	AREA TO BE SUBMERGED	Hydrography
	CANAL/DITCH	Hydrography
	INUNDATION AREA	Hydrography
	LAKE/POND	Hydrography
	STREAM/RIVER	Hydrography
Evaporator	RESERVOIR	Hydrography
Exposed wreck	WRECK	Hydrography
Exposed wreckage or foul ground	HAZARD ZONE	Hydrography
	WRECK	Hydrography
-F-		
Falls		
Large	WATERFALL	Hydrography
Small	WATERFALL	Hydrography

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Part 6 Index Entry	Feature Template	Theme
Feathering-out treatment	CONTOUR	Hypsography
Federal reservation boundary enhancement	BOUNDARY LINE	Boundaries
Fence line	FENCE LINE	Built-up
Ferry	LANE	Transportation
Fill, road or railroad	CONTOUR	Hypsography
Filtration plant	FILTRATION PLANT	Built-up
	RESERVOIR	Hydrography
Fish hatchery	AQUACULTURE SITE	Built-up
	RESERVOIR	Hydrography
Flat, foreshore	FORESHORE	Hydrography
Flume	FLUME	Hydrography
Elevated	FLUME	Hydrography
Underground	CANAL/DITCH	Hydrography
	PIPELINE	Hydrography
Footbridge	BRIDGE	Transportation
Foot trail	TRAIL	Transportation
Ford		
Road	FORD	Transportation
Trail	FORD	Transportation
Foreshore flat	FORESHORE	Hydrography
Foul ground	HAZARD ZONE	Hydrography
-G-		
Gaging station	GAGING STATION	Hydrography
Gas pipeline		
Aboveground	PIPELINE	Built-up
Underground	PIPELINE	Built-up
Gas tank	TANK	Built-up
Glacial crevasses	CREVASSE FIELD	Hydrography
Glacial moraine	MORaine	Nonveg Surface Cover
Glacier	ICE MASS	Hydrography
	CONTOURS	hydrography
Gravel beach	BEACH	Nonveg Surface Cover
	BARREN LAND	Nonveg Surface Cover
Gravel pit	MINE	Built-up
Large	MINE	Built-up
-H-		
Horizontal control station		
Checked spot elevation	SPOT ELEVATION	Hypsography
Coincident with section corner	SURVEY CORNER	PLSS
Third order or better	N/A (Show)	N/A (Show)
Third order or better, permanent mark	N/A (Show)	N/A (Show)
Vertical angle elevation	SPOT ELEVATION	Hypsography
-I-		
Indefinite boundary	(See appropriate feature)	

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Part 6 Index Entry	Feature Template	Theme
Indefinite or unsurveyed shoreline	SHORELINE	Hydrography
Index contour	CONTOUR	Hypsography
Approximate	CONTOUR	Hypsography
Intermediate contour	CONTOUR	Hypsography
Approximate	CONTOUR	Hypsography
Intermittent		
Canal	CANAL/DITCH	Hydrography
Ditch	CANAL/DITCH	Hydrography
Lake or pond	LAKE/POND	Hydrography
Stream	STREAM/RIVER	Hydrography
Intricate surface area	DISTURBED SURFACE	Built-up
Inundation, land subject to	INUNDATION AREA	Hydrography
-J-		
Jetty	PIER/BREAKWATER/JETTY	Built-up
-K-		
-L-		
Lake		
Dry	PLAYA	Hydrography
Intermittent	LAKE/POND	Hydrography
Perennial	LAKE/POND	Hydrography
Land grant	LAND GRANT	PLSS
	SURVEY LINE	PLSS
Land grant monument with or without geodetic position	SURVEY CORNER	PLSS
Land subject to inundation	INUNDATION AREA	Hydrography
Landmark object	(See appropriate feature)	
Lanes, change in number of	ROAD	Transportation
Levee	EMBANKMENT	Built-up
Contouring at levees	CONTOUR	Hypsography
Large earth	CONTOUR	Hypsography
With road	ROAD	Transportation
	EMBANKMENT	Built-up
With railroad	RAILWAY	Transportation
	EMBANKMENT	Built-up
Located object	(See appropriate feature)	
Lock		
Canal	GATE	Hydrography
Double-line stream	GATE	Hydrography
	LOCK CHAMBER	Hydrography
-M-		
Mangrove	TREES	Veg Surface Cover
Marsh	SWAMP/MARSH	Hydrography
Submerged	SWAMP/MARSH	Hydrography
Wooded	SWAMP/MARSH	Hydrography

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Part 6 Index Entry	Feature Template	Theme
Marsh - continued	TREES	Veg Surface Cover
Masts, exposed on sunken wreck	HAZARD ZONE WRECK	Hydrography Hydrography
Meander corner	SURVEY CORNER	PLSS
Mine		
Areal strip	MINE	Built-up
Linear strip	MINE	Built-up
Open pit	MINE	Built-up
Mine dump	DISPOSAL SITE	Built-up
Mine shaft	MINE ENTRANCE	Built-up
Mine tunnel entrance	MINE ENTRANCE	Built-up
Mining claim	SPECIAL SURVEY AREA SURVEY LINE	PLSS PLSS
Moraine, glacial	MORaine	Nonveg Surface Cover
Mud	FORESHORE PLAYA	Hydrography Hydrography
-N-		
Navigable canal	CANAL/DITCH	Hydrography
-O-		
Oil pipeline		
Aboveground	PIPELINE	Built-up
Underground	PIPELINE	Built-up
Oil reservoir, open	RESERVOIR	Built-up
Oil sump	RESERVOIR	Built-up
Oil tank	TANK	Built-up
Open pit mine	MINE	Built-up
Large	MINE	Built-up
Orchard	CULTIVATED CROPLAND	Veg Surface Cover
Overpass	(See appropriate feature)	
-P-		
Pack trail	TRAIL	Transportation
Penstock, underground	PIPELINE	Built-up
Perennial		
Ditch	CANAL/DITCH	Hydrography
Lake or pond	LAKE/POND	Hydrography
Salt lake or pond	LAKE/POND	Hydrography
Stream	STREAM/RIVER	Hydrography
Unsurveyed	STREAM/RIVER	Hydrography
Permanent snowfield	ICE MASS	Hydrography
Picnic area	PARK REST SITE	Built-up Transportation
Pier	PIER/BREAKWATER/JETTY	Built-up
Covered	PIER/BREAKWATER/JETTY	Built-up
Pile	N/A	N/A
Pipeline		
Gas or oil, aboveground	PIPELINE	Built-up

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Part 6 Index Entry	Feature Template	Theme
Pipeline - continued		
Gas or oil, underground	PIPELINE	Built-up
Pond		
Dry	PLAYA	Hydrography
Intermittent	LAKE/POND	Hydrography
Perennial	LAKE/POND	Hydrography
Power transmission line	TRANSMISSION LINE	Built-up
Private road	ROAD	ROAD
Prospect	PROSPECT	Built-up
Pumping station	PIPELINE REGULATION STATION	Built-up
-Q-		
Quarry	MINE	Built-up
Large	MINE	Built-up
-R-		
Railroad		
Bridge		
Drawbridge	BRIDGE DRAW SPAN	Transportation
Multiple track	BRIDGE	Transportation
Single track	BRIDGE	Transportation
Dismantled	TRAIL	Transportation
In street	RAILWAY	Transportation
Narrow gauge		
Multiple track	RAILWAY	Transportation
Single track	RAILWAY	Transportation
On levee	EMBANKMENT	Built-up
Tunnel	RAILWAY TUNNEL	Transportation
U.S. standard gauge		
Juxtaposition	RAILWAY	Transportation
Multiple main line track	RAILWAY	Transportation
Sidings	RAILWAY	Transportation
Single track	RAILWAY	Transportation
Railroad station	BUILDING	Built-up
Railroad yards	RAILWAY YARD	Transportation
Railway, incline	RAILWAY	Transportation
Range line	SURVEY LINE	PLSS
Location doubtful	SURVEY LINE	PLSS
Rapids		
Large	RAPIDS	Hydrography
Small	RAPIDS	Hydrography
Reef		
Rock or coral	REEF	Hydrography
Small, rock or coral	REEF	Hydrography
Reference monument	BOUNDARY POINT	Boundaries
Reservoir	RESERVOIR	Hydrography
Covered	RESERVOIR	Hydrography
Water	RESERVOIR	Hydrography

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Part 6 Index Entry	Feature Template	Theme
Reservoir - continued		
Natural shoreline	SHORELINE	Hydrography
Road		
Bridge	BRIDGE	Transportation
Drawbridge	BRIDGE	Transportation
	DRAW SPAN	Transportation
Change in number of lanes	N/A	N/A
Class 1	ROAD	Transportation
Class 2	ROAD	Transportation
Class 3	ROAD	Transportation
Class 4	ROAD	Transportation
Class 5	ROAD	Transportation
Dead end	ROAD	Transportation
Dual highway		
Overall width 100' or less	ROAD	Transportation
Overall width over 100'	ROAD	Transportation
Fill		
Class 1	ROAD	Transportation
Class 2	ROAD	Transportation
On levee	EMBANKMENT	Built-up
	ROAD	Transportation
Private	ROAD	Transportation
Streets in urban areas	ROAD	Transportation
Toll	GATE	Transportation
	ROAD	Transportation
Tunnel	TUNNEL	Transportation
Under construction, classification known	ROAD	Transportation
Rock	ROCK	Hydrography
Bare or awash	ROCK	Hydrography
Dangerous to navigation	HAZARD ZONE	Hydrography
	ROCK	Hydrography
Sunken	N/A	N/A
Rocks, group of, bare or awash	HAZARD ZONE	Hydrography
	ROCK	Hydrography
Roundhouse and turntable, railroad	BUILDING	Built-up
	TURNTABLE	Transportation
Route markers	ROUTE	Transportation
Ruins	ARCHEOLOGICAL SITE/RUINS	Built-up
-S-		
Salt flat	PLAYA	Hydrography
Sand area	BARREN LAND	Nonveg Surface Cover
	DUNES	Nonveg Surface Cover
In open water	BAR	Named Landforms
	BARREN LAND	Nonveg Surface Cover
Sandpit	MINE	Built-up
Large	MINE	Built-up
Sand, shifting, area	DUNES	Nonveg Surface Cover

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Part 6 Index Entry	Feature Template	Theme
School	BUILDING	Built-up
In congested area	BUILDING	Built-up
Large	BUILDING	Built-up
Placement	BUILDING	Built-up
Several buildings	BUILDING	Built-up
	INSTITUTIONAL SITE	Built-up
Scrub	SHRUBLAND	Veg Surface Cover
Seawall	WALL	Hydrography
Section corner	SURVEY CORNER	PLSS
Found	SURVEY CORNER	PLSS
Indicated	SURVEY CORNER	PLSS
Section line	SURVEY LINE	PLSS
Location doubtful	SURVEY LINE	PLSS
Sewage disposal	RESERVOIR	Hydrography
Plant	SEWAGE DISPOSAL PLANT	Built-up
Shifting sand area	BARREN LAND	Nonveg Surface Cover
	DUNES	Nonveg Surface Cover
Shoal	HAZARD ZONE	Hydrography
Shoreline	SHORELINE	Hydrography
Indefinite	SHORELINE	Hydrography
Or unsurveyed	SHORELINE	Hydrography
Siphon	PIPELINE	Hydrography
Ski lift	CABLEWAY	Built-up
Sludge pit	RESERVOIR	Built-up
Sluice gate	GATE	Hydrography
Double-line stream	GATE	Hydrography
	LOCK CHAMBER	Hydrography
Snag	N/A	N/A
Snowfield, permanent	ICE MASS	Hydrography
Snowshed	BUILDING	Built-up
Soundings	SOUNDING	Hypsography
Spoil bank	EMBANKMENT	Built-up
Spot elevation	SPOT ELEVATION	Hypsography
Spring	SPRING/SEEP	Hydrography
Stream		
Braided	AREA OF COMPLEX CHANNELS	Hydrography
Disappearing at a definite point	SINK/RISE	Hydrography
Double line	STREAM/RIVER	Hydrography
In marsh	STREAM/RIVER	Hydrography
In swamp	STREAM/RIVER	Hydrography
Intermittent	STREAM/RIVER	Hydrography
Perennial	STREAM/RIVER	Hydrography
Unsurveyed	STREAM/RIVER	Hydrography
Streets in urban areas	ROAD	Transportation
Strip mine		
Areal	MINE	Built-up
Linear	MINE	Built-up
Stump	N/A	N/A
Submerged, area to be	AREA TO BE SUBMERGED	Hydrography
Sunken		
Rock	N/A	N/A
Wreck	N/A	N/A

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Part 6 Index Entry	Feature Template	Theme
Sunken - continued		
Mast exposed	HAZARD ZONE WRECK	Hydrography Hydrography
Supplementary contour	CONTOUR	Hypsography
Supplementary depression contours	CONTOUR	Hypsography
Swamp	SWAMP/MARSH	Hydrography
Submerged	SWAMP/MARSH	Hydrography
Wooded	SWAMP/MARSH TREES	Hydrography Veg Surface Cover
Swimming pool, masonry	RESERVOIR	Hydrography
-T-		
Tailings	DISPOSAL SITE	Built-up
Pond	RESERVOIR	Hydrography
Tanks		
Gas	TANK	Built-up
Oil	TANK	Built-up
Water	TANK	Built-up
Telegraph line	TRANSMISSION LINE	Built-up
Toll road	ROAD	Transportation
Tollgate	GATE	Transportation
Township line	SURVEY LINE	PLSS
Location doubtful	SURVEY LINE	PLSS
Traffic circle	ROAD	Transportation
Trails	TRAIL	Transportation
Tramway, landmark lines	CABLEWAY RAILWAY	Built-up Transportation
Transmission line, power	TRANSMISSION LINE	Built-up
Tunnel		
Aqueduct	TUNNEL	Hydrography
Railroad	TUNNEL	Transportation
Road	TUNNEL	Transportation
Turntable	TURNTABLE	Transportation
Roundhouse and	BUILDING	Transportation
-U-		
Underpass	(See appropriate feature)	
Unsurveyed shoreline	SHORELINE	Hydrography
U.S. mineral monument or location monument	SURVEY CORNER	PLSS
Urban area	BUILT-UP AREA	Built-up
-V-		
Vertical control station		
Marked with tablet, elevation third order or better	N/A (Show)	N/A (Show)

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Part 6 Index Entry	Feature Template	Theme
Vertical control station - continued		
Recoverable mark-no tablet, elevation third order or better	N/A (Show)	N/A (Show)
Vineyard	CULTIVATED CROPLAND	Veg Surface Cover
-W-		
Wall	WALL	Built-up
Prominent	WALL	Hydrography
Wash	WASH	Built-up
Water	STREAM/RIVER	Hydrography
Area	(See appropriate feature)	
Surface elevations	(See appropriate feature)	
Tank	AREA TO BE SUBMERGED	Hydrography
Wells (excluding water)	CANAL/DITCH	Hydrography
	INUNDATION AREA	Hydrography
	LAKE/POND	Hydrography
	STREAM/RIVER	Hydrography
	TANK	Built-up
	WELL	Built-up
	WELL FIELD	Built-up
Well, water	WELL	Hydrography
Wharf	WHARF	Built-up
Covered	WHARF	Built-up
Windmill	WINDMILL	Built-up
Witness corner	SURVEY CORNER	PLSS
Woods	TREES	Veg Surface Cover
Wreck		
Exposed	WRECK	Hydrography
Sunken	N/A	N/A
Wreckage, exposed	HAZARD ZONE	Hydrography
-X-		
-Y-		
-Z-		