



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

National Mapping Program Technical Instructions

Part 6 Built-up

Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps

Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps
Part 6: Built-up

CONTENTS

	Page
6. Built-up	6-1
AQUACULTURE SITE	6-2
ARCHEOLOGICAL SITE/RUIN	6-3
ATHLETIC FIELD	6-5
BOARDWALK	6-7
BUILDING	6-8
BUILT-UP AREA	6-14
CABLE/PIPELINE SITE	6-17
CABLEWAY	6-18
CAMPGROUND	6-20
CEMETERY	6-22
CHIMNEY	6-23
CONVEYOR	6-24
DISH	6-25
DISPOSAL SITE	6-26
DISTURBED SURFACE	6-28
DRIVE-IN THEATER SCREEN	6-30
DRYDOCK	6-31
EMBANKMENT	6-32
EXHIBITION GROUND	6-35
FENCE LINE	6-36
FILTRATION PLANT	6-37
HISTORICAL MONUMENT	6-38
HOLDING PEN	6-39
INSTITUTIONAL SITE	6-40
KILN	6-42
LAUNCH FACILITY	6-43
LAUNCH PAD	6-44
LAUNCHING RAMP	6-45
LOCALE	6-47
MARINA	6-48
MINE	6-49
MINE ENTRANCE	6-53
MOBILE HOME PARK	6-55
OFFSHORE PLATFORM	6-56
OUTDOOR THEATER	6-57
PARK	6-59

Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps
Part 6: Built-up

PIER/BREAKWATER/JETTY	6-62
PIPELINE	6-65
PIPELINE REGULATION STATION	6-67
POPULATED PLACE	6-69
POWER SITE	6-70
PROSPECT	6-72
PROVING GROUND	6-73
RACETRACK	6-74
RECREATIONAL SLIDE	6-76
RESERVOIR	6-77
SEWAGE DISPOSAL PLANT	6-79
SHOPPING CENTER	6-80
SKI JUMP	6-81
SPORTS SITE	6-82
SUBSTATION	6-84
TANK	6-85
TOWER	6-87
TRAILHEAD	6-89
TRANSMISSION LINE	6-90
WALL	6-92
WELL	6-93
WELL FIELD	6-95
WHARF	6-96
WINDMILL	6-97

Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps
Part 6: Built-up

6. BUILT-UP

This part of the standard provides a description of the Built-up features shown on USGS and USDA Forest Service single edition quadrangle maps.

AQUACULTURE SITE

AQUACULTURE SITE - A set of pools of water and related structures used for producing finfish, shellfish, or aquatic plants.

Characteristics

Show the names of AQUACULTURE SITES if they are known.

Delineation

The limit of an AQUACULTURE SITE is the area encompassing the RESERVOIRS (Hydrography theme), BUILDINGS, and other associated structures.

Depiction Conditions

Show all.

Source Interpretation Guidelines

All

Show all the features within AQUACULTURE SITES as they normally would be depicted.

Graphic

N/A

Symbolization

Characteristics	Symbol	Label
N/A	N/A	Aquaculture Site; Show name if known

ARCHEOLOGICAL SITE/RUIN

ARCHEOLOGICAL SITE/RUIN - An area of scientific interest that contains the material remains of past human activities.

Characteristics

Show the following ARCHEOLOGICAL SITE/RUINS:

Archeological Site	Study area for past human life and activity.
Cliff Dwelling	A habitat built in the recesses of high vertical or over-hanging faces of rock.
Petroglyph	Ancient carving or engraving on rock.
Pictograph	Ancient line drawing or painting on rock.
Ruins	Deteriorated structural remains of historic importance.

Show the names of ARCHEOLOGICAL SITE/RUINS if they are known.

Delineation

The limit of an ARCHEOLOGICAL SITE/RUIN is the extent of the area containing the material remains.

Depiction Conditions

If an ARCHEOLOGICAL SITE/RUIN is controlled and protected by a government or private agency and that agency has given permission to show the ARCHEOLOGICAL SITE/RUIN,
Then show.

Source Interpretation Guidelines

All

A ruin can be individual structures or an area of ruined structures. If the individual structural outlines are indefinite and present few complete outlines, depict the general ruin site as an areal feature; otherwise show each structure by its structural ruin outline.

Approval of the administering agency is mandatory before any ARCHEOLOGICAL SITE/RUIN can be shown.

ARCHEOLOGICAL SITE/RUIN

Graphic

The label "Ruins" has been used to identify landmark structures in a state of disrepair, in addition to ruins which are truly of historical importance, on previously published maps. If possible, reclassify those features which are actually deteriorated structures with no historic importance and show them based on their ability to meet current depiction conditions.

Symbolization

Characteristics	Symbol	Label
Archeological Site	512.78	Archeological Site; Show name if known
Cliff Dwelling	512.79	Cliff Dwelling; Show name if known
Petroglyph	512.72	Petroglyph; Show name if known
Pictograph	512.72	Pictograph; Show name if known
Ruins	512.78	Ruins; Show name if known

ATHLETIC FIELD

ATHLETIC FIELD - A defined, but often unbounded, open area constructed and maintained for the purpose of holding sporting events and activities.

Characteristics

Show the names of ATHLETIC FIELDS if they are known.

Delineation

The limit of an ATHLETIC FIELD is the perimeter of the open area maintained for a sporting activity or event, including all associated structures within the playing field.

Depiction Conditions

If an ATHLETIC FIELD is not located within a PARK,
Then show.

Source Interpretation Guidelines

All

Shooting ranges on a military reservation do not meet the depiction conditions for ATHLETIC FIELD. See RESERVATION (Boundaries theme).

Depict shooting/firing ranges not on military reservations, including those used for archery, rifle, pistol, and skeet shooting; ball parks; equestrian areas; athletic tracks; and polo fields as ATHLETIC FIELDS.

Do not depict tracks used for vehicle or animal racing as ATHLETIC FIELDS. See RACETRACKS.

If an ATHLETIC FIELD (other than athletic tracks) coincides with a BUILT-UP AREA, show the ATHLETIC FIELD but clear the BUILT-UP AREA tint. Do not clear BUILT-UP AREA tint from athletic tracks.

Do not label an ATHLETIC FIELD if it is associated with a school or university.

Do not show individual ball diamonds or tennis courts.

Graphic

Do not depict areas labeled "Recreation Area" on previously published maps as ATHLETIC FIELDS. See PARK.

Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps
Part 6: Built-up

ATHLETIC FIELD

Depict single solid or screened dashed lines shown in the shape of ovals on previously published maps, with or without the label "Athletic Track", as ATHLETIC FIELDS.

Do not depict double solid dashed lines or single screened lines in the shape of ovals on previously published maps as ATHLETIC FIELDS. See RACETRACKS.

Symbolization

Characteristics	Symbol	Label
N/A	516.16	Athletic Field; Show name if known (do not label if associated with a school or university)

BOARDWALK

BOARDWALK - A promenade, usually constructed of planks.

Characteristics

Show the names of BOARDWALKS if they are known.

Delineation

The limit of a BOARDWALK is the edge of the structure.

Depiction Conditions

If a BOARDWALK is along a beach or waterfront,
Then show.

Source Interpretation Guidelines

All

When determining whether to depict a BOARDWALK as a line or area feature, the predominant width of the entire feature should be assessed. Disregard minor structural projections when determining feature width.

When showing a BOARDWALK to scale, disregard minor structural projections, such as entryways onto the BOARDWALK or onto a beach, and show a generalized outline instead.

Graphic

N/A

Symbolization

Characteristics	Symbol	Label
N/A	512.71	BOARDWALK; Show name if known

BUILDING

BUILDING - A permanent construction that is roofed and usually walled.

Characteristics

Show the following BUILDINGS:

Arena

Armory

Auditorium

Capitol

City Hall

Community Center

Courthouse

Firehouse

Forest Headquarters

A building where the USDA Forest Service center of operations is located.

Grain Elevator

Grange Hall

Guard Station

A building where a USDA Forest Service entrance guard is stationed.

Hospital

House of Worship

Library

Medical Center

Memorial

BUILDING

Museum

Observatory

Post Office

Radio Facility

Railroad Station

Ranger District Office A building where USDA Forest Service ranger district business is transacted or duties are discharged.

Roundhouse A building for locomotives, usually round or semicircular, and built around a turntable.

School

Stadium A large, usually unroofed, building with tiers of seats for spectators at sports events.

Substation

Townhall

Unspecified Does not have to be known or specified for the feature to be shown.

Work Center A principal building where USDA Forest Service work is conducted.

Show the names of BUILDINGS if they are known.

Delineation

The limit of a BUILDING is the extent of the structure.

Depiction Conditions

If a BUILDING is outside of a BUILT-UP AREA and it houses human activity,
Or

If a BUILDING is outside of a BUILT-UP AREA, is not intended for human activity,
and is not smaller than the average local dwelling,
Or

If a BUILDING is outside of a BUILT-UP AREA and is a landmark,
Or

If a BUILDING is within a BUILT-UP AREA and can be described as one of the
following public-use BUILDINGS: arena, auditorium, armory, capitol, city hall,
community center, courthouse, firehouse, hospital, house of worship, library,
medical center, memorial, museum, post office, railroad station, school, stadium,
or townhall,
Or

If a BUILDING is within a BUILT-UP AREA and is ≥ 0.02 square inches (80,000
square feet at 1:24,000-scale),
Or

If a BUILDING is a USDA Forest Service headquarters, guard station, ranger
district office, or work center,
Then show.

Source Interpretation Guidelines

All

In congested areas, some buildings may be shown to size and other buildings
may be omitted, displaced, or reduced in size. The following three
paragraphs deal with BUILDINGS in congested areas:

If a block has one or more relatively large buildings and several smaller
buildings, show the larger buildings and omit the smaller ones.

If building symbols touch or overlap, displace or proportionally adjust
the buildings so that the symbol pattern approximates the true ground
pattern.

In a row of buildings, where not all buildings can be portrayed, show the
first and last building in its true position, then show as many other
buildings as will fit in-between, displacing the buildings as is
necessary.

BUILDING

Show houses of worship and schools that are easily identifiable and occupy separate buildings with some open ground. Show buildings used for worship services, but not designed as houses of worship, as unspecified BUILDINGS.

If a BUILDING is a church, cathedral, mosque, synagogue, convent, temple, shrine, monastery, or other similar institution, depict it as a house of worship.

When a religious institution consists of a group of BUILDINGS, depict only the main house of worship as a house of worship. Depict the rest of the buildings as the appropriate BUILDINGS, to indicate any specialized use (other than a house of worship). If there is no other specialized use, depict them as unspecified BUILDINGS.

If a BUILDING is a public or private school, college, or university, depict it as a school.

When an educational institution consists of a group of BUILDINGS, depict only the administration building as a school. If it is not clear which BUILDING is the administration building, depict the largest BUILDING as a school. Depict the rest of the buildings as the appropriate BUILDINGS, to indicate any specialized use (other than a school). If there is no other specialized use, depict them as unspecified BUILDINGS.

If the primary function of a BUILDING with a radio antenna mounted on it is that of radio communication, depict it as a radio facility.

When showing a BUILDING to scale, disregard minor structural projections < 0.02" x 0.02" (40 feet at 1:24,000 scale) and show a generalized outline instead.

Graphic

N/A

Symbolization

Characteristics	Symbol	Label*
Arena	512.52	Arena; Show name if known
Armory	512.52	Armory; Show name if known
Auditorium	512.52	Auditorium; Show name if known
Capitol	512.52	Capitol; Show name if known
City Hall	512.52	City Hall; Show name if known
Community Center	512.52	Community Center; Show name if known
Courthouse	512.52	Courthouse; Show name if known
Firehouse	512.52	Firehouse; Show name if known
Forest Headquarters	512.165	Forest Supervisor's Office
Grain Elevator	512.52	Grain Elevator; Show name if known
Grange Hall	512.52	Grange Hall; Show name if known
Guard Station	512.167	Guard Station; Show name if known
Hospital	512.52	Hospital; Show name if known
House of Worship	512.55 512.179 1:63,360	N/L; Show name if known (show significant historic or landmark important names only in BUA)
Library	512.52	Library; Show name if known
Medical Center	512.52	Medical Center; Show name if known
Memorial	512.52	Memorial; Show name if known
Museum	512.52	Museum; Show name if known

Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps
 Part 6: Built-up

BUILDING

Characteristics	Symbol	Label*
Observatory	512.52	Observatory; Show name if known
Post Office	512.52	Post Office; Show name if known
Radio Facility	512.52	Radio Facility; Show name if known
Railroad Station	512.52	Railroad Station; Show name if known
Ranger District Office	512.166	N/L; Show name (not generic)
Roundhouse	512.16	N/L; Show name if known
School	512.54 512.178 1:63,360 512.56 college 512.56 university 512.180 college on 1:63,360 512.180 university on 1:63,360	N/L; Show name if known
Stadium	512.52	Stadium; Shown name if known
Substation	512.92	Substation; Show name if known
Townhall	512.52	Townhall; Show name if known
Unspecified	512.52	N/L
Work Center	512.167	Work Center
* Avoid name redundancy; for instance, if the name of the BUILDING is the same as the community show the generic only.		

BUILT-UP AREA

BUILT-UP AREA - An area of intensive use, with much of the land covered by structures.

Characteristics

N/A

Delineation Conditions

The limit of a BUILT-UP AREA is defined by the extent of the area of intensive use.

Depiction Conditions

If a BUILT-UP AREA is $\geq 30\%$ built-up, is ≥ 40 acres in size, and is ≥ 0.33 " (660 feet at 1:24,000 scale) along the shortest axis, Then show.

Source Interpretation Guidelines

All

The limits of a BUILT-UP AREA are determined by the relative concentration of buildings and associated intensive use areas, such as parking lots, and the existence of a systematic street pattern. The density of building and associated use areas will vary from densely concentrated downtown areas to moderately concentrated residential areas, where most of the property is developed.

Do not depict areas within BUILT-UP AREAS that are $< 30\%$ developed, are ≥ 80 acres in size, and are ≥ 660 feet along the shortest axis as BUILT-UP AREAS.

Show the following features if they meet depiction conditions but clear the BUILT-UP AREA tint from them:

- Athletic Field (other than tracks)
- Canal/Ditch (double-line)
- Cemetery
- Exhibition Ground (fairground, etc.)
- Lake/Pond
- Outdoor Theater
- Park
- Railway Yard
- Reservoir

BUILT-UP AREA

Runway/Apron/Taxiway
Sports Site (golf courses, etc.)
Stream/River (double-line)
Swamp/Marsh

Show all other features based on their individual depiction conditions but do not clear the BUILT-UP AREA tint.

BUILT-UP AREAS are not referenced to political boundaries, so a BUILT-UP AREA may include incorporated and unincorporated areas, as well as portions of military reservations.

Although BUILT-UP AREA limits do not have to be fixed in relation to linear features, where practical, attempt to register the limits of BUILT-UP AREAS with the edges of other linear features such as BOUNDARY LINES, RAILWAYS, ROADS, STREAM/RIVERS, etc. (See the Boundaries theme for BOUNDARY LINES. See the Transportation theme for RAILWAYS and ROADS. See the Hydrography theme for STREAM/RIVERS.)

The limits of BUILT-UP AREAS should be relatively smooth. Do not extend the limits to include a few buildings or to exclude a few buildings if the smoothness of the edge would be effected. When the perimeter streets are \geq 30% developed, extend the BUILT-UP AREA across the street to include these developed areas.

In housing developments where the street network is complete, building development is well underway, and it can be anticipated that most of the development will be occupied when completed, include the developed area within BUILT-UP AREA.

Do not include narrow strips in the BUILT-UP AREA where there is only a ROAD (Transportation theme) and buildings along both sides of the ROAD, even if they would form a connection with adjoining larger areas that meet depiction conditions.

A large BUILT-UP AREA that is separated from a smaller isolated BUILT-UP AREA may be extended to include the smaller area, if the smaller area is within 0.33" (660 feet at 1:24,000 scale) of the larger area.

Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps
Part 6: Built-up

BUILT-UP AREA

Graphic

The minimum allowable size, density criteria, and exclusions for BUILT-UP AREA have changed over the years. There will be areas on previously published maps that are shown with a dense coverage of buildings that previously did not meet the minimum requirements for BUILT-UP AREAS, but now do. Depict these areas as BUILT-UP AREAS.

Symbolization

Characteristics	Symbol	Label
N/A	515.1	N/L

CABLE/PIPELINE SITE

CABLE/PIPELINE SITE - An area where cables or pipelines are located under water.

Characteristics

Show the following CABLE/PIPELINE SITES:

Cable

Pipeline

Cable and Pipeline

Delineation

The limit of a CABLE/PIPELINE SITE is the extent of the area as shown on NOS charts or U.S. Lake Survey Charts.

Depiction Conditions

If a CABLE/PIPELINE SITE is shown on a National Ocean Service chart or on a U.S. Lake Survey chart,
Then show.

Source Interpretation Guidelines

All

N/A

Graphic

Depict areas labeled "Cable Area", "Pipeline Area", or "Cable-Pipeline Area" on previously published maps as CABLE/PIPELINE SITES.

Symbolization

Characteristics	Symbol	Label
Cable	512.143	CABLE AREA
Pipeline	512.143	PIPELINE AREA
Cable and Pipeline	512.143	CABLE-PIPELINE AREA

CABLEWAY

CABLEWAY - A conveyor system in which carrier units are suspended from wire cables strung between supports.

Characteristics

Show the following CABLEWAYS:

Ski Lift	Used to transport people at ski areas.
Unspecified	Does not have to be known or specified for the feature to be shown.

Show the names of CABLEWAYS if they are known.

Delineation

The limit of a CABLEWAY is the extent of the cables and the supports.

Depiction Conditions

Show all.

Source Interpretation Guidelines

All

Do not show rope tows.

Do not show logging cableways that are used only during timber harvesting operations and then removed.

Do not depict tramways running on tracks (even though pulled by a cable) as CABLEWAYS. See RAILWAY (Transportation theme).

Do not depict permanent mechanisms, such as continuously moving belts, which transport materials from one place to another as CABLEWAYS. See CONVEYOR.

Graphic

Depict features labeled "Aerial Tramway" and "Tramway" on previously published maps as CABLEWAYS.

Symbolization

Characteristics	Symbol	Label
Ski Lift	512.95	Ski Lift; Show name if known
Unspecified	512.95	CABLEWAY; Show name if known

CAMPGROUND

CAMPGROUND - A designated area on which primitive structure(s) may be erected for temporary shelter and/or where recreational vehicles are temporarily parked.

Characteristics

Show the following CAMPGROUNDS:

Campground	A permanent facility that provides some, but not necessarily all, such as running water, toilet, improved roads, recreational vehicle parking, bathhouse, table, or grill.
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Campsite	Primitive campgrounds lacking all facilities.
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Show the names of public CAMPGROUNDS if they are known.

Delineation

The limit of a CAMPGROUND is the edge of the area developed for camping.

Depiction Conditions

If a CAMPGROUND is not a campsite, is for public use, and is not in a Wilderness,
Or

If a CAMPGROUND is a campsite whose location is provided by the USDA Forest Service,

Then show.

Source Interpretation Guidelines

All

Do not identify the controlling agency (such as, BLM or NPS) of a CAMPGROUND.

If a CAMPGROUND within a National Forest proclamation boundary is run by a concessionaire and the USDA Forest Service receives camping fees, show the name of the CAMPGROUND, even if the CAMPGROUND is on non-National Forest System land.

When labeling, show the full name and generic of the CAMPGROUND, unless it is necessary to abbreviate or edit the name because of space limitations.

Graphic

If a campground or campsite is shown with a tepee symbol on the previously published map and the area limits cannot be determined, depict the CAMPGROUND

CAMPGROUND

at the apex of the triangle portion of the tepee symbol.

If a campsite is not shown with a located object or teepee symbol on the previously published map, show the campsite in the most logical open area, using the label placement on the previously published map as a guide.

Depict located object symbols labeled "Cow Camp" or "Hunter Camp" on previously published maps as campsites. Do not depict other features labeled "Camp" on previously published maps as CAMPGROUNDS. See LOCALE.

Symbolization

Characteristics	Symbol	Label*
Campground	522.1 524.10 label	N/L; Show name and generic of all public campgrounds if known
Campsite	512.72	Campsite; Show the name and generic of all public campsites if known
* Do not identify the controlling agency of CAMPGROUNDS.		

CEMETERY - A burial ground.

Characteristics

Show the following CEMETERIES:

Animal

Human

Show the names of CEMETERIES if they are known.

Delineation

The limit of a CEMETERY is the edge of the tended area or the outline of the group of graves if the cemetery is abandoned (untended) and has no fence.

Depiction Conditions

If a CEMETERY is for human remains,

Or

If a CEMETERY is for animal remains and is ≥ 0.06 " (120 feet at 1:24,000 scale) along the shortest axis,

Then show.

Source Interpretation Guidelines

All

Do not depict Indian burial mounds as CEMETERIES. See MOUNT (Named Landforms theme).

Graphic

Depict individual cross symbols labeled "Grave" or "Graves" on previously published maps as CEMETERIES.

Symbolization

Characteristics	Symbol	Label
Animal	512.120	Animal Cemetery; Show name if known
Human	512.120	Cem (spell out if there is space inside outline); Show name if known

CHIMNEY

CHIMNEY - A structure containing a passage or flue for discharging combustion smoke and gases.

Characteristics

N/A

Delineation

The limit of a CHIMNEY is the edge of the structure.

Depiction Conditions

If a CHIMNEY is \geq 60 feet in height,
Then show.

Source Interpretation Guidelines

All

N/A

Graphic

Depict located object symbols labeled "Stack" on previously published maps as CHIMNEYS.

Symbolization

Characteristics	Symbol	Label
N/A	512.72	Chimney

CONVEYOR

CONVEYOR - Any permanent mechanism, such as continuous moving belt, that transports materials from one place to another.

Characteristics

N/A

Delineation

The limit of a CONVEYOR is the edge of the structure.

Depiction Conditions

If a CONVEYOR is ≥ 0.5 " (1,000 feet at 1:24,000 scale) along the longest axis, Then show.

Source Interpretation Guidelines

All

Do not depict a conveyor system in which carrier units are suspended from wire cables strung between supports as CONVEYORS. See CABLEWAY.

Graphic

N/A

Symbolization

Characteristics	Symbol	Label
N/A	512.95	CONVEYOR

DISH - A concave object used for transmitting or receiving electromagnetic signals.

Characteristics

N/A

Delineation

The limit of a DISH is the edge of the structure.

Depiction Conditions

If a DISH is ≥ 0.02 " (40 feet at 1:24,000 scale) along the longest axis and is not for private use or receiving satellite television waves,
Then show.

Source Interpretation Guidelines

All

N/A

Graphic

It will be necessary to determine the form of telescopes symbolized by the located object symbol and labeled "Telescope" on the previously published map before deciding which feature to depict. If a DISH is mounted on a BUILDING, show the BUILDING but do not show the DISH.

Depict located object symbols labeled "Radio Telescope" on previously published maps as DISHES.

Symbolization

Characteristics	Symbol*	Label
N/A	512.72	Dish
* Show the perimeters of DISHES with black 0.003" lines when they are ≥ 0.04 " (80 feet at 1:24,000 scale) in the longest dimension.		

DISPOSAL SITE

DISPOSAL SITE - An area where refuse is dumped.

Characteristics

Show the following DISPOSAL SITES based on the substance that has been discarded:

Tailings	Discarded material from ore treatment processes, usually piled in random heaps or ridges.
Waste Rock	Piles of unprocessed rock or submarginal ore removed from a mine.

Show the following DISPOSAL SITES based on their operational status:

Reclaimed/Reverted/ Converted	Restored to approximately the original contours and replanted, reverted to nature, or converted to an alternate use.
Unspecified	Does not have to be known or specified for the feature to be shown.

Delineation

The limit of a DISPOSAL SITE is the extent of the area containing the refuse.

Depiction Conditions

If a DISPOSAL SITE is ≥ 0.2 " (400 feet at 1:24,000 scale) along the shortest axis or is ≥ 0.04 square inches (160,000 square feet at 1:24,000 scale) and has not reverted to nature or been reclaimed,

Or

If a DISPOSAL SITE has been reclaimed and the contour information is not available,
Then show.

Source Interpretation Guidelines

All

If a DISPOSAL SITE is a slag pit, a slag dump, or dredge tailings from a placer mine, depict the discarded substance as tailings.

Do not depict spoil banks as DISPOSAL SITES. See EMBANKMENT.

Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps
Part 6: Built-up

DISPOSAL SITE

Do not depict sludge pits or tailings ponds as DISPOSAL SITES. See RESERVOIR.

Graphic

Depict sites labeled "Mine Dump" on previously published maps as waste rock DISPOSAL SITES.

Depict sites labeled "Slag Dump" and "Slag Pit" on previously published maps as DISPOSAL SITES.

Do not depict unlabeled disturbed surface patterns on previously published maps as DISPOSAL SITES. See DISTURBED SURFACE.

Symbolization

Characteristics	Symbol	Label
Tailings, Reclaimed/ Reverted/Converted	535A.1	Former Tailings
Tailings, Unspecified	535.4	Tailings
Waste Rock, Reclaimed/ Reverted/Converted	535A.1	Former Mine Dump
Waste Rock, Unspecified	535.4	Mine Dump

DISTURBED SURFACE

DISTURBED SURFACE - An area which is broken into a chaotic pattern of elevations and depressions due to human intervention.

Characteristics

N/A

Delineation

The limit of a DISTURBED SURFACE is the extent of the area containing an unusual pattern of elevations and depressions.

Depiction Conditions

If a DISTURBED SURFACE cannot be identified as a DISPOSAL SITE or a MINE, Then show.

Source Interpretation Guidelines

All

Do not add new features.

Do not depict mine dumps or tailings as DISTURBED SURFACES. See DISPOSAL SITE.

Do not depict quarries, open pits, pits, or strip mines as DISTURBED SURFACES. See MINE.

Graphic

When an unlabeled disturbed surface pattern is encountered on a previously published map, the feature should preferably be reclassified as the feature it truly represents (such as, a DISPOSAL SITE or a MINE). If the true feature which the disturbed surface pattern represents cannot be determined, and if contours exist in the disturbed area, then delete the disturbed surface pattern. If contours do not exist, then retain the DISTURBED SURFACE pattern, except in BUILT-UP AREA tint. Do not show the DISTURBED SURFACE pattern within BUILT-UP AREA tint, even if the contours are missing.

Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps
Part 6: Built-up

DISTURBED SURFACE

Symbolization

Characteristics	Symbol	Label
N/A	Screen 13%, 120-line at 105°	N/L

DRIVE-IN THEATER SCREEN

DRIVE-IN THEATER SCREEN - The large flat-white or silver surface (and supporting structure) upon which a picture is projected for viewing.

Characteristics

N/A

Delineation

The limit of a DRIVE-IN THEATER SCREEN is the edge of the structure.

Depiction Conditions

If a DRIVE-IN THEATER SCREEN is within an OUTDOOR THEATER,
Then show.

Source Interpretation Guidelines

All

N/A

Graphic

N/A

Symbolization

Characteristics	Symbol	Label
N/A	512.68	N/A; See OUTDOOR THEATER for label

DRYDOCK

DRYDOCK - An artificial basin fitted with a gate or caisson into which a vessel may be floated and from which water may be pumped out to expose the bottom of the vessel.

Characteristics

N/A

Delineation

The limit of a DRYDOCK is defined by the walls and gate(s) that enclose the artificial basin.

Depiction Conditions

If a DRYDOCK is ≥ 0.025 " (50 feet at 1:24,000 scale) along the shortest axis and is not floating,
Then show.

Source Interpretation Guidelines

All

If a DRYDOCK meets depiction conditions, show the DRYDOCK and the GATE, as well as the LAKE/POND, SEA/OCEAN, or STREAM/RIVER (See the Hydrography theme for GATE, LAKE/POND, SEA/OCEAN, and STREAM/RIVER.)

Do not show a NONEARTHEN SHORE, SHORELINE, or WALL if it coincides with a DAM/WEIR, DRYDOCK, PIER/BREAKWATER/JETTY, or WHARF. (See the Hydrography theme for DAM/WEIR, NONEARTHEN SHORE, SHORELINE, and WALL.)

Graphic

N/A

Symbolization

Characteristics	Symbol	Label
N/A	512.49	Drydock

EMBANKMENT

EMBANKMENT - A raised linear mound of earth, gravel, or similar material.

Characteristics

Show the following EMBANKMENTS:

Defensive Earthworks	A defense fortification, also referred to as breastwork or redoubt.
Levee	An embankment built to prevent flooding or to control or confine the flow of liquids.
Spoil Bank	An embankment of waste material dredged from a channel and dumped along it.
Unspecified	Does not have to be known or specified for the feature to be shown.

Show the names of defensive earthworks EMBANKMENTS if they are known.

Delineation

The limit of an EMBANKMENT is the extent of the raised mound at the base.

Depiction Conditions

If an EMBANKMENT is $< 0.04''$ (80 feet at 1:24,000 scale) along the shortest axis, is $\geq 0.5''$ (1,000 feet at 1:24,000 scale) along the longest axis, the contour interval is ≥ 10 feet, and the height is ≥ 5 ft,

Or

If an EMBANKMENT is $< 0.04''$ (80 feet at 1:24,000 scale) along the shortest axis, is $\geq 0.5''$ (1,000 feet at 1:24,000 scale) along the longest axis, the contour interval is 5 feet, and the height is ≥ 3 feet,

Or

If an EMBANKMENT is $< 0.04''$ (80 feet at 1:24,000 scale) along the shortest axis and provides support to raise a CANAL/DITCH or a STREAM/RIVER above the normal ground level to maintain gravity flow,

Or

If an EMBANKMENT is $< 0.04''$ (80 feet at 1:24,000 scale) along the shortest axis, is an outline or a separator of an earthen RESERVOIR, is an outline of a controlled INUNDATION AREA, or is a fire protection dike around a TANK,

Or

If an EMBANKMENT is a check dam or other similar feature built to control

EMBANKMENT

erosion, is $< 0.04''$ (80 feet at 1:24,000 scale) along the shortest axis, is $\geq 0.1''$ (200 feet at 1:24,000 scale) along the longest axis, the contour interval is ≥ 10 feet, and the height is ≥ 5 feet,

Or

If an EMBANKMENT is a check dam or other similar feature built to control erosion, is $< 0.04''$ (80 feet at 1:24,000 scale) along the shortest axis, is $\geq 0.1''$ along the longest axis, the contour interval is 5 feet, and the height is ≥ 3 feet,

Or

If an EMBANKMENT is a defensive earthworks of historical significance and is located in a protected area,
Then show.

Source Interpretation Guidelines

All

Show the tapered end of an EMBANKMENT with the same dimensions as the main portion of the EMBANKMENT.

Do not depict embankments $\geq 0.04''$ (80 feet at 1:24,000 scale) along the shortest axis as EMBANKMENTS. See CONTOUR (Hypsography theme).

If the average width of an EMBANKMENT is $< 0.04''$ (80 feet at 1:24,000 scale), show it as an EMBANKMENT even though portions of the feature may exceed $0.04''$. Depict the feature based on its predominant width. Do not combine EMBANKMENT and CONTOUR (Hypsography theme) representation on the same levee.

If the height of an EMBANKMENT varies, show it completely if the average height meets depiction conditions.

If the gaps between the in-line piles of a spoil bank are $< 0.05''$ (100 feet at 1:24,000 scale), show the spoil bank as a continuous feature.

If a CANAL/DITCH is raised by an EMBANKMENT and the space between the CANAL/DITCH symbol and the adjacent LAKE/POND, RAILROAD, or ROAD is $\geq 0.011''$ (22 feet at 1:24,000 scale), show an EMBANKMENT on both sides of the CANAL/DITCH; otherwise, turn back the CONTOURS and drop them at the CANAL/DITCH. (See the Hydrography theme for CANAL/DITCH. See the transportation theme for RAILROAD and ROAD. See the Hypsography theme for CONTOUR.)

Graphic

If a feature in a protected area is labeled "Battle Trench" or "Breastworks" on the previously published map, depict it as a defensive earthworks.

Do not depict hachures used to symbolize the extent of pits and mines on previously published maps as EMBANKMENTS. (See section 7A.1.2 in appendix 7-A of the Hypsography theme for information on hachures.)

Embankments constructed to raise CANAL/DITCHES (Hydrography theme) above the normal ground level in order to maintain gravity flow have been symbolized several ways on previously published maps; a levee on each side, half a hachure on each side (sometimes called a split levee), and/or labeled "Elevated".

When a levee is shown on each side of a feature on a previously published map, it may not be possible to determine if they are to raise the feature or are actual mounds beside the feature. Depict them as individual levees, unless source imagery is available to determine their construction.

Symbolization

Characteristics	Symbol	Label
Defensive Earthworks	532.10 contours at 512.175	Defensive Earthworks; Show name if known
Levee	532.10 contours at 532.11 532.12 with road, railroad	LEVEE; Label "ROAD ON LEVEE" or "RAILROAD ON LEVEE" when necessary for clarity
Spoil Bank	532.10 contours at 532.13	N/L
Unspecified	532.10 contours at 532.11	N/L

EXHIBITION GROUND

EXHIBITION GROUND - A public area where outdoor fairs, circuses, and other events are held, which also contains permanent structures for the display of livestock, machinery, agricultural produce, etc.

Characteristics

Show the names of EXHIBITION GROUNDS if they are known.

Delineation

The limit of an EXHIBITION GROUND is the extent of the area used for exhibitions and includes all associated structures.

Depiction Conditions

Show all.

Source Interpretation Guidelines

All

Show all the features within EXHIBITION GROUNDS as they normally would be depicted.

Graphic

Depict areas labeled "Rodeo Ground" or "Fairground" on previously published maps as EXHIBITION GROUNDS.

Symbolization

Characteristics	Symbol	Label
N/A	N/A	Fairground; Show name if known

FENCE LINE

FENCE LINE - An identifiable fence or field line visible on an aerial photograph.

Characteristics

N/A

Delineation

The limit of a FENCE LINE is the extent of the fence or field line.

Depiction Conditions

If a FENCE LINE is ≥ 0.5 " (1,000 feet at 1:24,000 scale) in length, not within a BUILT-UP AREA, is located along a 1/4 or 1/16 section line, and is ≥ 0.5 " from another parallel linear feature that is not a fence line,

Or

If a FENCE LINE is ≥ 0.5 " (1,000 feet at 1:24,000 scale) in length, is not within a BUILT-UP AREA, is not located along a 1/4 or 1/16 section line, and is ≥ 0.5 " from another parallel linear feature or fence line already shown,

Then show.

Source Interpretation Guidelines

All

N/A

Graphic

Fence lines were shown in black, rather than red, on maps of public land States and Texas between the years 1956 and 1960.

Symbolization

Characteristics	Symbol	Label
N/A	523.15	N/L

FILTRATION PLANT

FILTRATION PLANT - A group of structures functioning as a unit used for the purification and distribution of a water supply.

Characteristics

Show the names of FILTRATION PLANTS if they are known.

Delineation

The limit of a FILTRATION PLANT is the extent of the area encompassing all associated structures.

Depiction Conditions

Show all.

Source Interpretation Guidelines

All

Show all the features within FILTRATION PLANTS as they normally would be depicted.

Graphic

Depict sites labeled "Waterworks" on previously published maps as FILTRATION PLANTS.

Symbolization

Characteristics	Symbol	Label
N/A	N/A	Filtration Plant; Show name if known

HISTORICAL MONUMENT

HISTORICAL MONUMENT - A structure, not a building, that commemorates people or past events.

Characteristics

Show the names of HISTORICAL MONUMENTS if they are known.

Delineation

The limit of an HISTORICAL MONUMENT is the edge of the structure.

Depiction Conditions

If an HISTORICAL MONUMENT is located outside a BUILT-UP AREA, is outside a park-type RESERVATION (Boundaries theme), and is a landmark, Then show.

Source Interpretation Guidelines

All

Depict boundary monuments that no longer reference a current jurisdictional boundary, but have historical significance, as HISTORICAL MONUMENTS.

Do not depict buildings, such as those named "Jefferson Memorial" or "Lincoln Memorial", as HISTORICAL MONUMENTS. See BUILDING.

Do not depict carillons as HISTORICAL MONUMENTS. See TOWER.

Do not show roadside markers.

Graphic

Depict located object symbols labeled "Historical Monument", "Historic Marker", "Historical Marker", "Monument", "Mon.", or "Shrine" on previously published maps as HISTORICAL MONUMENTS.

Depict located object symbols with names such as "Meade Pyramid" or "Carranza Memorial" on previously published maps as HISTORICAL MONUMENTS.

Symbolization

Characteristics	Symbol	Label
N/A	512.72	Monument; Show name if known

INSTITUTIONAL SITE

INSTITUTIONAL SITE - A group of buildings or associated structures, functioning as a unit, used predominantly for educational, correctional, governmental, medical, or religious purposes.

Characteristics

Show the following INSTITUTIONAL SITES:

Civil Government	For the exercise of authority over and the performance of functions for a non-military or non-religious political unit.
Correctional	For punishment or rehabilitation.
Education/Research	For instruction or study.
Historical	Feature is historically significant.
Medical	For the study or practice of medicine.
Military	Area for carrying out military activities.
Religious	For the administration, practice, or teaching of religion.

Show the names of INSTITUTIONAL SITES.

Delineation

The limit of an INSTITUTIONAL SITE is the extent of the area used by the institution, including all associated structures.

Depiction Conditions

If an INSTITUTIONAL SITE is named,
Then show the name.

Source Interpretation Guidelines

All

INSTITUTIONAL SITES may have more than one characteristic; for example, a seminary could be an education/research and a religious site.

Depict senior citizen homes or nursing homes as medical INSTITUTIONAL SITES.

Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps
Part 6: Built-up

INSTITUTIONAL SITE

Show all the features within INSTITUTIONAL SITES as they normally would be depicted.

Do not depict areas that have approved reservation boundaries as INSTITUTIONAL SITES. See RESERVATION (Boundaries theme.)

Graphic

N/A

Symbolization

Characteristics	Symbol	Label
Civil Government	N/A	N/L; Show name
Correctional	N/A	N/L; Show name
Education/Research	N/A	N/L; Show name
Historical	N/A	N/L; Show name
Medical	N/A	N/L; Show name
Military	N/A	N/L; Show name
Religious	N/A	N/L; Show name

KILN - Any of various ovens for hardening, burning, or drying substances.

Characteristics

Show the following KILNS based on the product involved:

Brick

Charcoal

Coke

Unspecified

Does not have to be known or specified for the feature to be shown.

Delineation

The limit of a KILN is the edge of the structure.

Depiction Conditions

Show all.

Source Interpretation Guidelines

All

N/A

Graphic

N/A

Symbolization

Characteristics	Symbol*	Label
Brick	N/A	Brick Kiln
Charcoal	N/A	Charcoal Kiln
Coke	512.70	Coke Ovens
Unspecified	N/A	Kiln
* Show the perimeters of brick, charcoal, and coke KILNS with black 0.004" lines when they are ≥ 0.02 " (40 feet at 1:24,000 scale) in the shortest dimension. Show black 0.02" x 0.02" solid square when < 0.02 in shortest dimension.		

LAUNCH FACILITY

LAUNCH FACILITY - An area where rockets or missiles may be housed and from which they are launched, usually equipped with associated buildings and facilities.

Characteristics

Show the names of LAUNCH FACILITIES.

Delineation

The limit of a LAUNCH FACILITY is the extent of the area encompassing all associated structures.

Depiction Conditions

If a LAUNCH FACILITY is named,
Then show the name.

Source Interpretation Guidelines

All

Show all the features within INSTITUTIONAL SITES as they normally would be depicted.

Graphic

N/A

Symbolization

Characteristics	Symbol	Label
N/A	N/A	N/L; Show name

LAUNCH PAD

LAUNCH PAD - A structure from which a rocket or missile is launched.

Characteristics

Show the names of LAUNCH PADS if they are known.

Delineation

The limit of a LAUNCH PAD is the edge of the structure.

Depiction Conditions

Show all.

Source Interpretation Guidelines

All

N/A

Graphic

N/A

Symbolization

Characteristics	Symbol*	Label
N/A	512.72	Launch Pad; Show name if known
* Show the perimeters of LAUNCH PADS with black 0.004" lines when they are \geq 0.1" (200 feet at 1:24,000 scale) in the shortest dimension.		

LAUNCHING RAMP

LAUNCHING RAMP - A partially submerged hard surface on a shoreline for launching or retrieving vessels or aircraft.

Characteristics

Show the following LAUNCHING RAMPS:

Boat Access	Designated areas that are suitable for the launching or retrieving of boats.
Boat Ramp	Constructed ramps used for the launching or retrieving of boats.
Seaplane Ramp	Constructed ramps used for the launching or retrieving of seaplanes.

Show the names of LAUNCHING RAMPS if they are known.

Delineation

If a LAUNCHING RAMP is at the end of a ROAD, the limit is the place where the center of the ROAD intersects the NONEARTHEN SHORE or SHORELINE. (See the Transportation theme for ROAD. See the Hydrography theme for NONEARTHEN SHORE and SHORELINE.)

If a LAUNCHING RAMP is not at the end of ROAD (Transportation theme), the limit is the edge of the hard surface.

Depiction Conditions

If a LAUNCHING RAMP is a seaplane ramp,

Or

If a LAUNCHING RAMP is a public boat ramp,

Or

If a LAUNCHING RAMP is a boat access whose location is provided by the USDA Forest Service,

Then show.

Source Interpretation Guidelines

All

Do not depict seaplane runways as LAUNCHING RAMPS. See LANE (Transportation theme.)

Graphic

N/A

Symbolization

Characteristics	Symbol	Label
Boat Access	511.47	Boat Access (No Ramp); Show name if known
Boat Ramp	511.45	Boat Ramp; Show name if known
Seaplane Ramp	511.45	Seaplane Ramp; Show name if known

LOCALE - A named place not otherwise categorized.

Characteristics

Show the names of LOCALES.

Delineation

The limit of a LOCALE is the extent of the area known by that name.

Depiction Conditions

Show all.

Source Interpretation Guidelines

All

Do not depict places that meet the definition for another feature as LOCALES.
See the relevant feature.

Do not depict areas, other than ranches, that have a permanent human
population as LOCALES. See POPULATED PLACE.

Graphic

Depict areas labeled "Site" on previously published maps as LOCALES.

Do not depict located object symbols labeled "Cow Camp" or "Hunter Camp" on
previously published maps as LOCALES. See CAMPGROUND. Depict other features
labeled "Camp" on previously published maps as LOCALES.

Symbolization

Characteristics	Symbol	Label
N/A	N/A	N/L; Show name

MARINA

MARINA - A harbor facility for recreational craft where supplies, repairs, and various services are available.

Characteristics

Show the names of MARINAS.

Delineation

The limit of a MARINA is the extent of the area that contains the associated boating facilities.

Depiction Conditions

If a MARINA is named and is publicly owned, operated, and maintained,
Then show the name.

Source Interpretation Guidelines

All

Show all the features within MARINAS as they normally would be depicted.

Graphic

Depict yacht basins, yacht clubs, and yacht centers that are named on previously published maps as MARINAS.

Symbolization

Characteristics	Symbol	Label
N/A	N/A	N/L; Show name

MINE - An excavation in the earth for the purpose of extracting earth materials.

Characteristics

Show the following MINES:

Open Pit	Excavation where large deposits of mineral ores are removed.
Pit	Excavation where unconsolidated materials are removed.
Quarry	Excavation in solid rock where building stone, limestone, etc. are removed.
Strip	Excavation where overburden is removed to extract materials close to the surface. The overburden is piled in random heaps or deposited in fairly regular ridges and furrows.

Show the following pit MINES based on the product involved:

Clay	A sediment of soft plastic consistency composed primarily of fine grained minerals.
Gravel	Unconsolidated, natural accumulation of rounded rock fragments, consisting predominantly of particles larger than sand but smaller than boulders, having a diameter in the range of 2mm to 256 mm (1/8 inch to 10 inches).
Sand	Unconsolidated rock particles that are larger than silt but smaller than gravel.
Unspecified	Does not have to be known or specified for the feature to be shown.

Show the following MINES based on their operational status:

Reclaimed/Reverted/ Converted	Restored to approximately the original contours
----------------------------------	---

MINE

and replanted, reverted to nature, or converted to an alternate use.

Unspecified

Does not have to be known or specified for the feature to be shown.

Show the names of MINES if they are known.

Delineation

The limit of a MINE is the edge of the excavation.

Depiction Conditions

If a MINE is a surface mine that has not been reclaimed, reverted to nature, or converted to an alternate use,

Or

If a MINE has been reclaimed, reverted to nature, or converted to an alternate use and updated contour information is not available,

Then show.

Source Interpretation Guidelines

All

Mined areas that have reverted to nature are those which have been left to revegetate through natural means; they lack roads for removal of material and show evidence of mature vegetation.

Mined areas that have been reclaimed are those in which the landscape has been restored to its original grade.

Mined areas that have been converted to an alternate use are those which are being used for activities other than mining.

Do not depict entrances to underground mines as MINES. See MINE ENTRANCE.

Do not depict placer mines as MINES. See DISPOSAL SITE.

Do not depict mines that have filled with water as MINES. See LAKE/POND (Hydrography theme).

MINE

Graphic

Do not depict features portrayed with adit or shaft symbols and labeled "Mine" on previously published maps as MINES. See MINE ENTRANCE.

The extent of a MINE may be indicated by hachures or depression contours on previously published maps. (See section 7A.1.2 in appendix 7-A of the Hypsography theme for information on hachures.)

Depict areal mines symbolized by imagery on previously published maps as MINES.

Symbolization

Characteristics	Symbol	Label
Open Pit, Reclaimed/ Reverted/Converted	535A.1	Former Mine; Show name if known
Open Pit, Unspecified	512.84 535.3 fill	Mine; Show name if known
Pit, Clay, Reclaimed/ Reverted/Converted	535A.1	Former Pit; Show name if known
Pit, Clay, Unspecified	512.85 535.5 fill	Claypit; Show name if known
Pit, Gravel	512.85 535.5 fill	Gravel Pit; Show name if known
Pit, Gravel, Reclaimed/ Reverted/Converted	535A.1	Former Pit; Show name if known
Pit, Sand	512.85 535.5 fill	Sandpit; Show name if known
Pit, Sand, Reclaimed/ Reverted/Converted	535A.1	Former Pit; Show name if known
Pit, Unspecified	512.85 535.5 fill	N/L ("Pit" if shown with 535.5); Show name if known
Pit, Unspecified, Reclaimed/Reverted/ Converted	535A.1	Former Pit; Show name if known
Quarry, Reclaimed/ Reverted/Converted	535A.1	Former Quarry; Show name if known
Quarry, Unspecified	512.84 535.5 fill	Quarry; Show name if known
Strip, Reclaimed/ Reverted/Converted	535A.1	Former Strip Mine; Show name if known
Strip, Unspecified	535.1	Strip Mine; Show name if known

MINE ENTRANCE

MINE ENTRANCE - Passage that affords entry to an underground mine.

Characteristics

Show the following MINE ENTRANCES;

Air Ventilation To admit fresh air.

General Case Those that are in common use.

Show the following MINE ENTRANCES based on the form of the passage:

Horizontal In a plane parallel to the horizon.

Vertical In a plane perpendicular to the horizon.

Show the names of MINE ENTRANCES if they are known.

Delineation

The limit of a MINE ENTRANCE is the edge of the passage.

Depiction Conditions

If a MINE ENTRANCE is a landmark,

Then show. (See the Source Interpretation Guidelines, if it is necessary to accurately represent a pattern of closely spaced MINE ENTRANCES.)

Source Interpretation Guidelines

All

Depict general case MINE ENTRANCES with horizontal or vertical passages.

Depict air ventilation MINE ENTRANCES with vertical passages.

If a MINE ENTRANCE is in an area of closely spaced MINE ENTRANCES, first show the named MINE ENTRANCES, then those that are on the perimeter of the area, then those that are the most prominent, then finally show a representative pattern of the MINE ENTRANCES internal to the area. Show as many as can be depicted in the correct position. The symbols for horizontal MINE ENTRANCES may overlap to reflect the density of the MINE ENTRANCES. The symbols for vertical MINE ENTRANCES must not overlap.

Do not depict mine shafts that have been filled in as MINE ENTRANCES. If the filled mine shaft is named, depict it as a LOCALE.

Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps
Part 6: Built-up

MINE ENTRANCE

Do not depict cave and tunnel entrances as MINE ENTRANCES. See CAVE ENTRANCE (Named Landforms theme) and TUNNEL ENTRANCE (Transportation theme).

Graphic

Depict features portrayed with mine shaft symbols on previously published maps as MINE ENTRANCES with vertical passages.

Depict adit symbols that are unlabeled, unnamed, or labeled "Mine" on previously published maps as general case MINE ENTRANCES with horizontal passages.

Symbolization

Characteristics	Symbol	Label
Air Ventilation, Vertical	512.72	Air Shaft; Show name if known
General Case, Horizontal	512.80	Mine; Show name if known
General Case, Vertical	512.81	Mine; Show name if known

MOBILE HOME PARK

MOBILE HOME PARK - An area maintained for the parking of inhabited mobile homes.

Characteristics

Show the names of MOBILE HOME PARKS if they are known.

Delineation

The limit of a MOBILE HOME PARK is the extent of the area used for parking mobile homes and may be defined by the outermost roads or the limits of the outermost mobile homes.

Depiction Conditions

If at least one ROAD is shown within a MOBILE HOME PARK, and the MOBILE HOME PARK is outside a BUILT-UP AREA,
Then show.

Source Interpretation Guidelines

All

Do not depict areas used for parking recreational vehicles as MOBILE HOME PARKS. See CAMPGROUND.

Do not show individual mobile homes within MOBILE HOME PARKS. See BUILDING for the depiction of permanent buildings within MOBILE HOME PARKS.

Graphic

MOBILE HOME PARKS may be labeled "Trailer Park" on previously published maps.

Symbolization

Characteristics	Symbol	Label
N/A	N/A	Mobile Home Park; Show name if known

OFFSHORE PLATFORM

OFFSHORE PLATFORM - A raised structure located in a sea, equipped for the extraction, loading or unloading of petroleum products.

Characteristics

N/A

Delineation

The limit of an OFFSHORE PLATFORM is the extent of the structure.

Depiction Conditions

If an OFFSHORE PLATFORM is shown on National Ocean Service charts,
Then show.

Source Interpretation Guidelines

All

N/A

Graphic

Do not depict "Drill Pads" shown on previously published maps of Alaska as OFFSHORE PLATFORMS because they are on land (gravel areas), rather than platforms. See WELL.

Symbolization

Characteristics	Symbol	Label
N/A	512.144	Platform

OUTDOOR THEATER

OUTDOOR THEATER - An outdoor area consisting of a stage or other focal point, and an area where the audience can be seated to view the performance or event.

Characteristics

Show the following OUTDOOR THEATERS:

Amphitheater	A place where events or performances are presented on a central or frontal stage area, with audience seating generally arranged on a slope in an oval or circular pattern.
Aqua Theater	A place where events or performances are presented in or on the water.
Drive-in Theater	A place where motion pictures are shown while viewers remain in their vehicles.

Show the names of OUTDOOR THEATERS if they are known.

Delineation

The limit of an OUTDOOR THEATER is the perimeter of the area maintained for performances and viewing, including all associated structures.

Depiction Conditions

Show all.

Source Interpretation Guidelines

All

If an OUTDOOR THEATER is a drive-in theater, show the OUTDOOR THEATER and the DRIVE-IN THEATER SCREEN.

If an OUTDOOR THEATER coincides with a BUILT-UP AREA, show the OUTDOOR THEATER but clear the BUILT-UP AREA tint.

Graphic

Do not depict theaters symbolized only as buildings on previously published maps as OUTDOOR THEATERS. See BUILDING.

Symbolization

Characteristics	Symbol*	Label
Amphitheater	512.72	Amphitheater; Show name if known
Aqua Theater	512.72	Aqua Theater; Show name if known
Drive-in Theater	512.68	Drive-in Theater; Show name if known
<p>* Show the perimeters of amphitheaters with black 0.003" lines, dash length 0.04", and space 0.02" when they are ≥ 0.04" (80 feet at 1:24,000 scale) in the longest dimension.</p>		

PARK - A place or area developed for public use or recreation.

Characteristics

Show the following PARKS:

Amusement Park	An area containing various rides and arcades for entertainment and thrill.
Botanical Garden	An area used for the exhibition and study of plants.
General Case	Those that are in common use.
Parade Ground	An area for marching and parading of troops.
Picnic Area	An outdoor area with facilities for preparing and eating meals except for those along highways primarily for the use of travelers.
Zoo	An area for the exhibition and study of animals.

Show the names of PARKS if they are known. Show only the names of picnic areas provided by the USDA Forest Service.

Delineation

The limit of a PARK is the extent of the developed area including all associated structures.

Depiction Conditions

If a PARK is not a picnic area,

Or

If a PARK is a picnic area and has more than one picnic table,

Or

If a PARK is a picnic area whose location is provided by the USDA Forest Service,
Then show.

Source Interpretation Guidelines

All

Do not show the names of amusement parks. Examples of amusement parks include Disneyland, Disney World, Six Flags, etc.

PARK

Examples of botanical gardens include Cypress Gardens, Missouri Botanical Garden, National Arboretum, Kenilworth Aquatic Gardens, etc.

Examples of zoos include Exotic Animal Paradise, Safari Land, Brookfield Zoo, Lincoln Park Zoo, etc.

If a PARK has multiple activities, depict it as a general case PARK.

Amusement parks, botanical gardens, parade grounds, picnic areas, and zoos should be depicted if they are within larger PARKS that have other activities. If the proper name of the smaller feature is the same as the proper name of the PARK, show only the generic label of the smaller feature.

If a PARK is within a RESERVATION (Boundaries theme), show the PARK and the RESERVATION. If the proper name of the PARK is the same as the proper name of the RESERVATION, show only the generic label of the PARK.

Do not depict places that provide facilities only for athletic activities as PARKS. See ATHLETIC FIELD.

Do not depict areas with facilities for preparing and eating meals along highways primarily for the use of travelers as PARKS. See REST SITE (Transportation theme).

All county parks are RESERVATIONS (Boundaries theme), even though small county parks are symbolized with the same boundary line as PARKS.

Graphic

All city and private parks are PARKS, even though they may be symbolized by a reservation boundary line on previously published maps.

Depict areas labeled "Recreation Area" on previously published maps as general case PARKS.

Do not depict areas labeled "Roadside Park" or "Wayside Park" on previously published maps as PARK. See REST SITE (Transportation theme).

Do not show areas labeled "Playground" on previously published maps.

Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps
Part 6: Built-up

PARK

Depict picnic areas at the apex of the legs of the picnic table symbol shown on previously published maps.

Symbolization

Characteristics	Symbol	Label
Amusement	512.129	Amusement Park
Botanical	512.129	Botanical Garden; Show name if known
General Case	512.129	Park; Show name if known
Parade Ground	512.129	Parade Ground; Show name if known
Picnic Area	522.2	N/L; Show name and generic of all Forest Service picnic areas if known
Zoo	512.129	Zoo; Show name if known

PIER/BREAKWATER/JETTY

PIER/BREAKWATER/JETTY - Structure extending in the longest dimension from the shore or positioned offshore for protection, berthing vessels, or recreation.

Characteristics

Show the following PIER/BREAKWATER/JETTIES:

Breakwater	Offshore structure used to break the force of waves.
Jetty	Extending from the shore to restrain or direct current or tide.
Pier	Extending from the shore for berthing or recreation.
Unspecified	Does not have to be known or specified for the feature to be shown.

Show the following PIER/BREAKWATER/JETTIES based on their operational status:

Ruined	State of decay, dilapidation, or impairment of effectiveness.
Unspecified	Does not have to be known or specified for the feature to be shown.

Show the names of PIER/BREAKWATER/JETTIES if they are known.

Delineation

The limit of a PIER/BREAKWATER/JETTY is the extent of the structure.

Depiction Conditions

If a PIER/BREAKWATER/JETTY is above the water surface and is named,

Or

If a PIER/BREAKWATER/JETTY is above the water surface, and is ≥ 0.05 " (100 feet at 1:24,000 scale) along the longest axis,

Then show.

Source Interpretation Guidelines

All

Do not show a NONEARTHEN SHORE, SHORELINE, or WALL if it coincides with a DAM/WEIR, DRYDOCK, PIER/BREAKWATER/JETTY, or WHARF. (See the Hydrography theme for DAM/WEIR, NONEARTHEN SHORE, SHORELINE, and WALL.)

If a PIER/BREAKWATER/JETTY does not meet depiction conditions, see NONEARTHEN SHORE or SHORELINE. (See the Hydrography theme for NONEARTHEN SHORE and SHORELINE.)

Graphic

N/A

PIER/BREAKWATER/JETTY

Symbolization

Characteristics	Symbol*	Label**
Breakwater, Ruined	512.46 narrow 512.47 wide	N/L; Show name if known
Breakwater, Unspecified	512.43 narrow 512.44 wide	Breakwater; Show name if known
Jetty, Ruined	512.46 narrow 512.47 wide	N/L; Show name if known
Jetty, Unspecified	512.43 narrow 512.44 wide	Jetty; Show name if known
Pier, Ruined	512.46 narrow 512.47 wide	N/L; Show name if known
Pier, Unspecified	512.43 narrow 512.44 wide 512.45 wide, covered	N/L; Show name if known
Unspecified, Ruined	512.46 narrow 512.47 wide	N/L; Show name if known
Unspecified, Unspecified	512.43 narrow 512.44 wide 512.45 wide, covered	N/L; Show name if known

* Show the perimeters of PIER/BREAKWATER/JETTIES with the wide symbol when they are ≥ 0.02 " (40 feet at 1:24,000 scale) in the shortest dimension.

** Do not show a label if the PIER/BREAKWATER/JETTY is < 1 " (2,000 feet at 1:24,000 scale) along the longest dimension.

PIPELINE

PIPELINE - A closed conduit, with pumps, valves and control devices, for conveying fluids, gases, or finely divided solids.

Characteristics

Show the following PIPELINES based on the product involved:

Unspecified	Does not have to be known or specified for the feature to be shown.
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Show the following unspecified PIPELINES based on their relationship to the surface:

At or Near	At or slightly above the surface.
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Elevated	Supported above the earth.
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Underground	Buried.
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Unspecified	Does not have to be known or specified for the feature to be shown.
-------------	---

Show the names of PIPELINES if they are known.

Delineation

The limit of a PIPELINE that is at or near the surface or elevated is the extent of the structure.

The limit of a PIPELINE that is underground is the edge of the ground scars or linear clearings.

Depiction Conditions

If a PIPELINE is aboveground, is outside of a congested area, is a trunk line, and \geq is 0.25" (500 feet at 1:24,000 scale) from a paralleling RAILWAY, ROAD, or other linear feature,

Or

If a PIPELINE is underground, surface scars are present, is outside of a congested area, is a trunk line, and is \geq 0.25" (500 feet at 1:24,000 scale) from a paralleling RAILWAY, ROAD, or other linear feature,

Then show. (See the Transportation theme for RAILWAY and ROAD.)

Source Interpretation Guidelines

All

If a PIPELINE conveys water, depict it in the Hydrography theme.

If a PIPELINE is elevated over a depression by a structure built for that purpose, depict the PIPELINE as elevated.

Trunk pipelines are those that transport raw materials from central gathering points in producing areas to refineries or terminals, or those that transport products from refineries to large consumer areas.

Graphic

If a PIPELINE is labeled "Pipeline Bridge" on the previously published map, depict the PIPELINE as elevated.

Symbolization

Characteristics	Symbol	Label
Unspecified, At or Near	512.93	ABOVEGROUND PIPELINE; Show name if known
Unspecified, Elevated	512.176	ELEVATED (if \geq 0.5" long)
Unspecified, Underground	512.94	PIPELINE; Show name if known
Unspecified, Unspecified	512.94	PIPELINE; Show name if known

PIPELINE REGULATION STATION

PIPELINE REGULATION STATION - An ancillary facility that controls the flow of fluids or gases along a pipeline route.

Characteristics

Show the following PIPELINE REGULATION STATIONS:

Compressor	Used to compact the flow.
Pumping	Used to create flow or to raise the flow.
Valve	Used to direct or regulate the flow.

Show the names of PIPELINE REGULATION STATIONS if they are known.

Delineation

The limit of a PIPELINE REGULATION STATION is the extent of the area encompassing the structures, often delimited by a fence.

Depiction Conditions

If a PIPELINE REGULATION STATION is not within a BUILT-UP AREA,
Then show.

Source Interpretation Guidelines

All

If BUILDINGS and other structures within a PIPELINE REGULATION STATION meet depiction conditions, show the PIPELINE REGULATION STATION, the BUILDINGS, and the other structures.

If a PIPELINE REGULATION STATION is a booster plant, depict it as a pumping station.

Do not depict pipeline regulation stations housed in buildings as PIPELINE REGULATION STATIONS. See BUILDING.

Graphic

N/A

Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps
Part 6: Built-up

PIPELINE REGULATION STATION

Symbolization

Characteristics	Symbol	Label
Compressor	512.67	Compressor Station; Show name if known
Pumping	512.67	Pumping Station; Show name if known
Valve	512.67	Valve Station; Show name if known

POPULATED PLACE

POPULATED PLACE - A place or area with clustered or scattered buildings and a permanent human population.

Characteristics

Show the names of POPULATED PLACES.

Delineation

The limit of a POPULATED PLACE is the extent of the area known by that name.

Depiction Conditions

If a POPULATED PLACE is outside of an incorporated city, has at least one permanently occupied building, and is named,
Then show the name.

Source Interpretation Guidelines

All

Do not depict incorporated places as POPULATED PLACES. See CITY (Boundaries theme).

Do not depict places that are not populated as POPULATED PLACES. See LOCALE.

Graphic

N/A

Symbolization

Characteristics	Symbol	Label
N/A	N/A	N/L; Show name

POWER SITE

POWER SITE - A group of associated structures, functioning as a unit, used for generating electricity.

Characteristics

Show the following POWER SITES based on the energy source used to produce the electricity:

Sun

Unspecified

Does not have to be known or specified for the feature to be shown.

Wind

Show the names of POWER SITES if they are known.

Delineation

The limit of a POWER SITE is the extent of the area encompassing the group of associated structures.

Depiction Conditions

If a POWER SITE is operated for public use,
Then show.

Source Interpretation Guidelines

All

Show all the features within POWER SITES as they normally would be depicted.

If the POWER SITE uses fossil fuel, geothermal fuel, nuclear fuel, or water to produce the electricity, depict the energy source as unspecified.

Graphic

N/A

Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps
Part 6: Built-up

POWER SITE

Symbolization

Characteristics	Symbol	Label
Sun	N/A	Solar Panel Area; Show name if known
Unspecified	N/A	Powerplant; Show name if known
Wind	N/A	Wind Farm; Show name if known

PROSPECT

PROSPECT - A marked location where mineral exploration has occurred but no mine has been developed.

Characteristics

Show the names of PROSPECTS if they are known.

Delineation

The limit of a PROSPECT is the edge of the area where mineral exploration has occurred.

Depiction Conditions

If PROSPECT is a landmark,

Then show. (See the Source Interpretation Guidelines, if it is necessary to accurately represent the pattern of closely spaced PROSPECTS.)

Source Interpretation Guidelines

All

If a PROSPECT is within an area of closely spaced PROSPECTS, first show the named PROSPECTS, then those that are on the perimeter of the area, then those that are the most prominent, then finally show a representative pattern of the PROSPECTS internal to the area. Show as many as can be depicted in the correct position. The symbols may overlap to reflect the density of the PROSPECTS.

A PROSPECT must have a readily identifiable scar with significant evidence of mineral exploration.

Graphic

N/A

Symbolization

Characteristics	Symbol	Label
N/A	512.82	Prospect; Show name if known

PROVING GROUND

PROVING GROUND - An area set aside for performance testing.

Characteristics

Show the names of PROVING GROUNDS if they are known.

Delineation

The limit of a PROVING GROUND is the extent of the area encompassing all associated structures.

Depiction Conditions

If a PROVING GROUND is associated with the performance testing of motor vehicles, Then show.

Source Interpretation Guidelines

All

Show all the features within PROVING GROUNDS as they normally would be depicted.

Graphic

N/A

Symbolization

Characteristics	Symbol	Label
N/A	N/A	Proving Ground; Show name if known

RACETRACK - A course laid out for racing.

Characteristics

N/A

Delineation

The limit of a RACETRACK is the edge of the track.

Depiction Conditions

If a RACETRACK is improved and maintained,
Then show.

Source Interpretation Guidelines

All

Depict tracks used for vehicle or animal racing as RACETRACKS.

Do not depict athletic tracks as RACETRACKS. See ATHLETIC FIELD.

Depict only racing courses as RACETRACKS. Depict the roads used for access and maintenance as ROADS. In some cases, it is difficult to determine which are which, since some race courses are irregularly shaped. The Daytona International Speedway is an example of a facility having an oval track, an irregularly shaped track and access roads intertwined.

For information on raceway names, see SPORTS SITE.

Graphic

Depict double solid dashed lines or single screened lines shown in the shape of ovals on previously published maps as RACETRACKS.

Do not depict single solid or screened dashed lines shown in the shape of ovals on previously published maps, with or without the label "Athletic Track", as RACETRACKS. See ATHLETIC FIELD.

Symbolization

Characteristics	Symbol	Label*
N/A	516.15	N/L
* See SPORTS SITE for raceway names.		

RECREATIONAL SLIDE

RECREATIONAL SLIDE - An amusement structure consisting of a smooth, usually inclined, surface or track for sliding.

Characteristics

N/A

Delineation

The limit of a RECREATIONAL SLIDE is the edge of the structure.

Depiction Conditions

If a RECREATIONAL SLIDE is ≥ 0.5 " (1,000 feet at 1:24,000 scale) along the longest axis and is not in an amusement park, Then show.

Source Interpretation Guidelines

All

Depict bobsled and luge runs as RECREATIONAL SLIDES.

Graphic

N/A

Symbolization

Characteristics	Symbol	Label
N/A	512.117	Recreational Slide

RESERVOIR

same characteristics, show them as two RESERVOIRS with a shared perimeter line.

If two RESERVOIRS that are ≥ 0.03 " (60 feet at 1:24,000 scale) along the shortest axis are < 0.005 " (10 feet at 1:24,000 scale) apart and do not have the same characteristics, displace the perimeter lines equally and show them so that the perimeter lines are 0.005" (10 feet at 1:24,000 scale) apart.

If a RESERVOIR is not an oil sump or sludge pit, depict it in the Hydrography theme.

Graphic

N/A

Symbolization

Characteristics	Symbol	Label
Disposal, Oil Sump, Nonearthen	512.86 outline	Oil Sump; Show name and elevation if known
	517.4 fill	
Disposal, Sludge Pit, Nonearthen	512.86 outline	Sludge Pit; Show name and elevation if known
	517.4 fill	

SEWAGE DISPOSAL PLANT

SEWAGE DISPOSAL PLANT - A group of structures functioning as a unit used for the disposal of domestic water-born waste.

Characteristics

Show the names of SEWAGE DISPOSAL PLANTS if they are known.

Delineation

The limit of a SEWAGE DISPOSAL PLANT is the extent of the area encompassing all associated structures.

Depiction Conditions

Show all.

Source Interpretation Guidelines

All

Show all the features within SEWAGE DISPOSAL PLANTS as they normally would be depicted.

Graphic

N/A

Symbolization

Characteristics	Symbol	Label
N/A	N/A	Sewage Disposal; Show name if known

SHOPPING CENTER

SHOPPING CENTER - A group of structures used for the sale of products and services.

Characteristics

Show the names of SHOPPING CENTERS if they are known.

Delineation

The limit of a SHOPPING CENTER is the extent of the associated buildings and parking areas.

Depiction Conditions

If a SHOPPING CENTER is \geq the size of an average city block in the area,
Then show.

Source Interpretation Guidelines

All

Show all of the buildings within SHOPPING CENTERS as they normally would be depicted.

Do not depict strip malls, which are chains of stores along roads, as SHOPPING CENTERS. See BUILDING.

Graphic

N/A

Symbolization

Characteristics	Symbol	Label
N/A	N/A	Shopping Center; Show name if known

SKI JUMP

SKI JUMP - An inclined structure consisting of a track from which snow skiers vault.

Characteristics

N/A

Delineation

The limit of a SKI JUMP is the edge of the surface of the structure.

Depiction Conditions

Show all.

Source Interpretation Guidelines

All

Do not show the landing areas at the bases of SKI JUMPS.

Graphic

Depict ski slides shown on previously published maps as SKI JUMPS.

Symbolization

Characteristics	Symbol	Label
N/A	512.95	Ski Jump

SPORTS SITE

SPORTS SITE - A collection of facilities (open areas, structures) functioning as a unit for the purpose of holding sporting events and activities.

Characteristics

Show the following SPORTS SITES:

Golf Course	For playing golf.
Raceway	For all racing activities.
Unspecified	Does not have to be known or specified for the feature to be shown.
Winter Recreation Area	For snow based activities, such as tobogganing, sledding, ice skating, cross-country skiing, downhill skiing, and snowmobiling.

Show the names of SPORTS SITES if they are known.

Delineation

The limit of a SPORTS SITE is the extent of the area that contains the playing/activity area, as well as all associated facilities and parking areas.

Depiction Conditions

If a SPORTS SITE is named,

Or

If a SPORTS SITE is a golf course, raceway, or winter recreation area,

Then show.

Source Interpretation Guidelines

All

To depict the feature SPORTS SITE, the area must contain more than just one facility. Golf courses include the playing grounds, parking areas, club facilities, trails, etc. Raceways include the track(s), grandstands, operator areas, pit areas, infields, kennels, stables, etc. Winter recreation areas include the lifts, jumps, trails, buildings, etc.

Show all the features within SPORTS SITES as they normally would be depicted.

Graphic

Golf courses labeled with "Country Club" as part of their name on previously published maps meet the depiction conditions for SPORTS SITES.

Do not depict areas labeled "Recreation Area" on previously published maps as SPORTS SITES. See PARK.

Symbolization

Characteristics	Symbol	Label
Golf Course	N/A	Golf Course; Show name if known
Raceway	516.15	Raceway; Show name if known
Unspecified	N/A	N/L; Show name
Winter Recreation Area	522.4	N/L; Show name if known (do not show generic)

SUBSTATION

SUBSTATION - An ancillary facility along a power transmission line route for transforming electrical current.

Characteristics

Show the names of SUBSTATIONS if they are known.

Delineation

The limit of a SUBSTATION is the fence that encloses the transformers.

Depiction Conditions

If a SUBSTATION is not within BUILT-UP AREA,
Then show.

Source Interpretation Guidelines

All

Show all the features within SUBSTATIONS as they normally would be depicted.

Graphic

Do not depict buildings labeled "Substation" on previously published maps as SUBSTATIONS. See BUILDING (substation).

Symbolization

Characteristics	Symbol	Label
N/A	512.92	Substation; Show name if known

TANK - A large container used for storage.

Characteristics

Show the following TANKS:

General Case	Those that are in common use.
Guzzler	Small water tank designed to serve game birds and exclude large animals.

Show the following general case TANKS based on the product involved:

Unspecified	Does not have to be known or specified for the feature to be shown.
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Water

Delineation

The limit of a TANK is the edge of the structure.

Depiction Conditions

If a TANK is a water tank and is a landmark,

Or

If a TANK is a water tank, is in an arid region, and is ≥ 0.025 " (50 feet at 1:24,000 scale) from a BUILDING,

Or

If a TANK is a guzzler and the appropriate official agency that controls the area has given permission to map the feature,

Or

If a TANK is not a water tank or guzzler and is ≥ 0.017 " (34 feet at 1:24,000 scale) along the shortest axis,

Then show. (See the Source Interpretation Guidelines, if it is necessary to accurately represent a pattern of closely spaced TANKS.)

Source Interpretation Guidelines

All

If a TANK is within an area of closely spaced TANKS, first show the named TANKS, then those that are on the perimeter of the area, then those that are the most prominent, then finally show a representative pattern of the TANKS internal to the area. Show as many as can be depicted in the correct position. The symbols must not overlap.

TANK

Do not show rain aprons.

Depict above ground cisterns as general case water TANKS. Do not show below ground cisterns.

Depict silos and storage bins as general case unspecified TANKS.

Graphic

Do not depict blue outlines labeled "Stock Tank" or "Tank" on previously published maps as TANKS. See LAKE/POND and RESERVOIR (Hydrography theme).

Symbolization

Characteristics	Symbol	Label
General Case, Unspecified	512.65	N/L
General Case, Water	512.65	Water Tank
Guzzler	512.72	Guzzler

TOWER - A tall framework or structure, the height of which is required by its function.

Characteristics

Show the following TOWERS:

Communication	For elevating communication systems.
Control	For air traffic control.
Cooling	For use in power generation.
Lookout	For observation or for spotting forest fires.
Navigation	For determining position and safe course.
Unspecified	Does not have to be known or specified for the feature to be shown.
Water	
Water Intake	For the support of water intake structures.

Show the names of TOWERS if they are known.

Delineation

The limit of a TOWER is the edge of the structure.

Depiction Conditions

If a TOWER is a lookout tower and is not an integral part of a wall or other structure,

Or

If a TOWER is a communication tower and is not on a BUILDING,

Or

If a TOWER is a water tower and is \geq 50 feet in height,

Or

If a TOWER is a navigation tower and is on a NOS chart,

Or

If a Tower is other than a lookout tower, water tower, navigational tower, or communication tower, and is not on a TRANSMISSION LINE,

Then show.

Source Interpretation Guidelines

All

N/A

Graphic

Depict located object symbols labeled "Carillon" on previously published maps as unspecified TOWERS.

Depict located object symbols labeled "Antenna", "Microwave", "Range", "Relay", or "Repeater" on previously published maps as communication TOWERS.

Do not depict buildings labeled "Lookout" on previously published maps as TOWERS. See BUILDING.

Symbolization

Characteristics	Symbol	Label
Communication	512.72	Communication Tower; Show name if known
Control	512.72	Control Tower; Show name if known
Cooling	512.72 512.65 if ≥ 0.03 "	Cooling Tower; Show name if known
Lookout	512.72	Lookout; Show name if known
Navigation	512.72	Beacon
Unspecified	512.72	Tower; Show name if known
Water	512.72	Water Tower; Show name if known
Water Intake	512.72	Water Intake Tower; Show name if known

TRAILHEAD

TRAILHEAD - A designated area developed to provide transition from vehicle to foot, horse, or ATV travel.

Characteristics

Show the names of TRAILHEADS if they are known.

Delineation

The limit of a TRAILHEAD is the edge of the area developed for travel transition, as well as all associated facilities and parking areas.

Depiction Conditions

If a TRAILHEAD includes running water, a toilet, a parking area, a ramp for loading or unloading animals or ATV's, or an information board, and the location is provided by the USDA Forest Service, Then show.

Source Interpretation Guidelines

All

Depict off-highway vehicle (OHV) staging areas as TRAILHEADS.

When labeling, show the full name of the TRAILHEAD, unless it is necessary to abbreviate or edit the name because of space limitations. Do not include the generic in the label.

Graphic

N/A

Symbolization

Characteristics	Symbol	Label
N/A	522.3	N/L; Show name if known (do not show generic)

Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps
Part 6: Built-up

TRANSMISSION LINE

Symbolization

Characteristics	Symbol	Label
Power	512.91	N/L
Telephone	512.90	TELEPHONE

WELL - A pit or hole dug or bored into the earth for the extraction of oil, water, other fluids, or gases.

Characteristics

Show the following WELLS based on the product involved:

Unspecified	Does not have to be known or specified for the feature to be shown.
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Show the following unspecified WELLS based on their production status:

Non-producing	Not yielding a product.
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Producing	Yielding a product.
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Show the names of WELLS if they are known.

Delineation

The limit of a WELL is the extent of the hole in the ground.

Depiction Conditions

If a WELL is a producing oil or gas well outside of a developed WELL FIELD,
Or

If a WELL is an oil or gas well outside of a developed WELL FIELD; is a drill hole, exploratory well or test well; and is a landmark,

Then show. (See the Source Interpretation Guidelines, if it is necessary to accurately represent a pattern of closely spaced WELLS.)

Source Interpretation Guidelines

All

If a WELL is within an area of closely spaced WELLS, first show the named WELLS, then those that are on the perimeter of the area, then those that are the most prominent, then finally show a representative pattern of the WELLS internal to the area. Show as many as can be depicted in the correct position. The symbols must not overlap.

If a WELL produces water or heat, depict it in the Hydrography theme.

Graphic

Depict wells labeled "Exploratory Well", "Drill Hole", or "Test Well" on previously published maps as non-producing WELLS.

Standards for USGS and USDA Forest Service Single Edition Quadrangle Maps
Part 6: Built-up

WELL

Depict wells labeled "Gas Well" or "Oil Well" on previously published maps as unspecified producing WELLS. Do not identify individual wells as "Gas" or "Oil".

Do not show wells within WELL FIELDS.

Symbolization

Characteristics	Symbol	Label
Unspecified, Non-producing	512.83	Drill Hole; Show name if known
Unspecified, Producing	512.83	Well; Show name if known

WELL FIELD

WELL FIELD - An area where petroleum and/or natural gas is or was removed from the earth.

Characteristics

Show the names of WELL FIELDS.

Delineation

The limit of a WELL FIELD is defined by the perimeter wells.

Depiction Conditions

If a WELL FIELD is named and is identified in oil and gas company publications, Then show the name.

Source Interpretation Guidelines

All

N/A

Graphic

Use the label placement on previously published maps as a guide for delineating the extent of contiguous WELL FIELDS.

Symbolization

Characteristics	Symbol	Label*
N/A	512.83 name	Show name
* Show "OIL FIELD" or "GAS FIELD" if part of name but do not label individual oil or gas wells. Do not show wells or drill holes within WELL FIELDS. See WELL.		

WHARF

WHARF - A structure with its longest axis built parallel to the shoreline to which vessels may be berthed on one side only.

Characteristics

Show the names of WHARFS.

Delineation

The limit of a WHARF is the line of contact between the water and the area used for loading and unloading vessels.

Depiction Conditions

If a WHARF is named,
Then show.

Source Interpretation Guidelines

All

Do not show a NONEARTHEN SHORE, SHORELINE, or WALL if it coincides with a DAM/WEIR, DRYDOCK, PIER/BREAKWATER/JETTY, or WHARF. (See the Hydrography theme for DAM/WEIR, NONEARTHEN SHORE, SHORELINE, and WALL.)

If a wharf does not meet depiction conditions, see NONEARTHEN SHORE (Hydrography theme).

Graphic

N/A

Symbolization

Characteristics	Symbol	Label
N/A	512.44	N/L; Show name

WINDMILL

WINDMILL - A mill or other machine that runs on the energy generated by a wheel of adjustable blades or flats rotated by the wind.

Characteristics

Show the following WINDMILLS:

Generator	For producing electricity.
Unspecified	Does not have to be known or specified for the feature to be shown.

Show the names of WINDMILLS if they are known.

Delineation

The limit of a WINDMILL is the extent of the structure.

Depiction Conditions

If a WINDMILL is a landmark,

Or

If a WINDMILL is ≥ 0.25 " (500 feet at 1:24,000 scale) from a BUILDING, Then show. (See the Source Interpretation Guidelines, if it is necessary to accurately represent a pattern of closely spaced WINDMILLS.)

Source Interpretation Guidelines

All

If a WINDMILL is within an area of closely spaced WINDMILLS, first show the named WINDMILLS, then those that are on the perimeter of the area, then those that are the most prominent, then finally show a representative pattern of the WINDMILLS internal to the area. Show as many as can be depicted in the correct position. The symbols must not overlap.

Graphic

Depict elevations on WINDMILLS that are on previously published maps as SPOT ELEVATIONS (Hypsography theme).

Depict WINDMILLS at the crossing of the arms of the symbol or, if older symbology is used, at the center of the circle shown on previously published maps.

Symbolization

Characteristics	Symbol	Label
Generator	512.69	Generator; Show name if known
Unspecified	512.69	N/L; Show name if known