

Topographic Map Symbols

What is a Topographic Map?

A map is a representation of the Earth, or part of it. The distinctive characteristic of a topographic map is that the shape of the Earth's surface is shown by contour lines. Contours are imaginary lines that join points of equal elevation on the surface of the land above or below a reference surface, such as mean sea level. Contours make it possible to measure the height of mountains, depths of the ocean bottom, and steepness of slopes.

A topographic map shows more than contours. The map includes symbols that represent such features as streets, buildings, streams, and vegetation. These symbols are constantly refined to better relate to the features they represent, improve the appearance or readability of the map, or reduce production cost.

Consequently, within the same series, maps may have slightly different symbols for the same feature. Examples of symbols that have changed include built-up areas, roads, intermittent drainage, and some lettering styles. On one type of large-scale topographic map, called provisional, some symbols and lettering are hand-drawn.

Reading Topographic Maps

Interpreting the colored lines, areas, and other symbols is the first step in using topographic maps. Features are shown as points, lines, or areas, depending on their size and extent. For example, individual houses may be shown as small black squares. For larger buildings, the actual shapes are mapped. In densely built-up areas, most individual buildings are omitted and an area tint is shown. On some maps, post offices, churches, city halls, and other landmark buildings are shown within the tinted area.

The first features usually noticed on a topographic map are the area features, such as vegetation (green), water (blue), and densely built-up areas (gray or red).


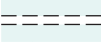

Many features are shown by lines that may be straight, curved, solid, dashed, dotted, or in any combination. The colors of the lines usually indicate similar classes of information: topographic contours (brown); lakes, streams, irrigation ditches, and other hydrographic features (blue); land grids and important roads (red); and other roads and trails, railroads, boundaries, and other cultural features (black). At one time, purple was used as a revision color to show all feature changes. Currently, purple is not used in our revision program, but purple features are still present on many existing maps.

Various point symbols are used to depict features such as buildings, campgrounds, springs, water tanks, mines, survey control points, and wells. Names of places and features are shown in a color corresponding to the type of feature. Many features are identified by labels, such as "Substation" or "Golf Course."








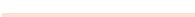





Topographic contours are shown in brown by lines of different widths. Each contour is a line of equal elevation; therefore, contours never cross. They show the general shape of the terrain. To help the user determine elevations, index contours are wider. Elevation values are printed in several places along these lines. The narrower intermediate and supplementary contours found between the index contours help to show more details of the land surface shape. Contours that are very close together represent steep slopes. Widely spaced contours or an absence of contours means that the ground slope is relatively level. The elevation difference between adjacent contour lines, called the contour interval, is selected to best show the general shape of the terrain. A map of a relatively flat area may have a contour interval of 10 feet or less. Maps in mountainous areas may have contour intervals of 100 feet or more. The contour interval is printed in the margin of each U.S. Geological Survey (USGS) map.

Bathymetric contours are shown in blue or black, depending on their location. They show the shape and slope of the ocean bottom surface. The bathymetric contour interval may vary on each map and is explained in the map margin.









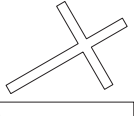












BATHYMETRIC FEATURES

Area exposed at mean low tide; sounding datum line***	
Channel***	
Sunken rock***	








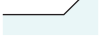

BOUNDARIES

National	
State or territorial	
County or equivalent	
Civil township or equivalent	
Incorporated city or equivalent	
Federally administered park, reservation, or monument (external)	
Federally administered park, reservation, or monument (internal)	
State forest, park, reservation, or monument and large county park	
Forest Service administrative area*	
Forest Service ranger district*	
National Forest System land status, Forest Service lands*	
National Forest System land status, non-Forest Service lands*	
Small park (county or city)	

BUILDINGS AND RELATED FEATURES






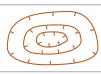



Building	
School; house of worship	
Athletic field	
Built-up area	
Forest headquarters*	
Ranger district office*	
Guard station or work center*	
Racetrack or raceway	
Airport, paved landing strip, runway, taxiway, or apron	
Unpaved landing strip	
Well (other than water), windmill or wind generator	
Tanks	
Covered reservoir	
Gaging station	
Located or landmark object (feature as labeled)	
Boat ramp or boat access*	
Roadside park or rest area	
Picnic area	
Campground	
Winter recreation area*	
Cemetery	

COASTAL FEATURES



Foreshore flat	
Coral or rock reef	
Rock, bare or awash; dangerous to navigation	
Group of rocks, bare or awash	
Exposed wreck	
Depth curve; sounding	
Breakwater, pier, jetty, or wharf	
Seawall	
Oil or gas well; platform	

CONTOURS




Topographic

Index	
Approximate or indefinite	
Intermediate	
Approximate or indefinite	
Supplementary	
Depression	
Cut	
Fill	
Continental divide	

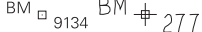


Bathymetric

Index***	
Intermediate***	
Index primary***	
Primary***	
Supplementary***	

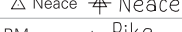




CONTROL DATA AND MONUMENTS

Principal point**	
U.S. mineral or location monument	
River mileage marker	


Boundary monument

Third-order or better elevation, with tablet	
Third-order or better elevation, recoverable mark, no tablet	
With number and elevation	

Horizontal control

Third-order or better, permanent mark	
With third-order or better elevation	
With checked spot elevation	
Coincident with found section corner	
Unmonumented**	
















CONTROL DATA AND MONUMENTS – *continued*

Vertical control		
Third-order or better elevation, with tablet	BM	✕ 5280
Third-order or better elevation, recoverable mark, no tablet		✕ 528
Bench mark coincident with found section corner	BM	 5280
Spot elevation		✕ 7523






GLACIERS AND PERMANENT SNOWFIELDS

Contours and limits		
Formlines		
Glacial advance		
Glacial retreat		

LAND SURVEYS

Public land survey system		
Range or Township line		
Location approximate		
Location doubtful		
Protracted		
Protracted (AK 1:63,360-scale)		
Range or Township labels	R1E T2N R3W T4S	
Section line		
Location approximate		
Location doubtful		
Protracted		
Protracted (AK 1:63,360-scale)		
Section numbers	1 - 36	1 - 36
Found section corner		
Found closing corner		
Witness corner		
Meander corner		
Weak corner*		






Other land surveys

Range or Township line		
Section line		
Land grant, mining claim, donation land claim, or tract		
Land grant, homestead, mineral, or other special survey monument		
Fence or field lines		




MARINE SHORELINES

Shoreline		
Apparent (edge of vegetation)***		
Indefinite or unsurveyed		

MINES AND CAVES

Quarry or open pit mine		✕
Gravel, sand, clay, or borrow pit		✕
Mine tunnel or cave entrance		✕
Mine shaft		■
Prospect		x
Tailings		
Mine dump		
Former disposal site or mine		

PROJECTION AND GRIDS

Neatline		39°15' 90°37'30"
Graticule tick		55'
Graticule intersection		
Datum shift tick		

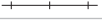
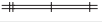


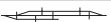





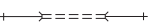
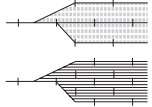

State plane coordinate systems

Primary zone tick		640 000 FEET
Secondary zone tick		247 500 METERS
Tertiary zone tick		260 000 FEET
Quaternary zone tick		98 500 METERS
Quintary zone tick		320 000 FEET









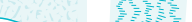
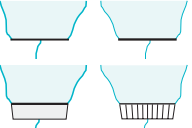


Universal transverse metcator grid

UTM grid (full grid)		273
UTM grid ticks*		269

RAILROADS AND RELATED FEATURES

Standard gauge railroad, single track		
Standard gauge railroad, multiple track		
Narrow gauge railroad, single track		
Narrow gauge railroad, multiple track		
Railroad siding		
Railroad in highway		
Railroad in road		
Railroad in light duty road*		
Railroad underpass; overpass		
Railroad bridge; drawbridge		
Railroad tunnel		
Railroad yard		
Railroad turntable; roundhouse		

RIVERS, LAKES, AND CANALS

Perennial stream		
Perennial river		
Intermittent stream		
Intermittent river		
Disappearing stream		
Falls, small		
Falls, large		
Rapids, small		
Rapids, large		
Masonry dam		
Dam with lock		
Dam carrying road		

RIVERS, LAKES, AND CANALS – *continued*

Perennial lake/pond	
Intermittent lake/pond	
Dry lake/pond	
Narrow wash	
Wide wash	
Canal, flume, or aqueduct with lock	
Elevated aqueduct, flume, or conduit	
Aqueduct tunnel	
Water well, geyser, fumarole, or mud pot	
Spring or seep	

ROADS AND RELATED FEATURES

Please note: Roads on Provisional-edition maps are not classified as primary, secondary, or light duty. These roads are all classified as improved roads and are symbolized the same as light duty roads.

Primary highway	
Secondary highway	
Light duty road	
Light duty road, paved*	
Light duty road, gravel*	
Light duty road, dirt*	
Light duty road, unspecified*	
Unimproved road	
Unimproved road*	
4WD road	
4WD road*	
Trail	
Highway or road with median strip	
Highway or road under construction	
Highway or road underpass; overpass	
Highway or road bridge; drawbridge	
Highway or road tunnel	
Road block, berm, or barrier*	
Gate on road*	
Trailhead*	

SUBMERGED AREAS AND BOGS

Marsh or swamp	
Submerged marsh or swamp	
Wooded marsh or swamp	
Submerged wooded marsh or swamp	
Land subject to inundation	

SURFACE FEATURES

Levee	
Sand or mud	
Disturbed surface	
Gravel beach or glacial moraine	
Tailings pond	

TRANSMISSION LINES AND PIPELINES

Power transmission line; pole; tower	
Telephone line	
Aboveground pipeline	
Underground pipeline	

VEGETATION

Woodland	
Shrubland	
Orchard	
Vineyard	
Mangrove	

* USGS-USDA Forest Service Single-Edition Quadrangle maps only.
In August 1993, the U.S. Geological Survey and the U.S. Department of Agriculture's Forest Service signed an Interagency Agreement to begin a single-edition joint mapping program. This agreement established the coordination for producing and maintaining single-edition primary series topographic maps for quadrangles containing National Forest System lands. The joint mapping program eliminates duplication of effort by the agencies and results in a more frequent revision cycle for quadrangles containing National Forests. Maps are revised on the basis of jointly developed standards and contain normal features mapped by the USGS, as well as additional features required for efficient management of National Forest System lands. Single-edition maps look slightly different but meet the content, accuracy, and quality criteria of other USGS products.

** Provisional-Edition maps only.
Provisional-edition maps were established to expedite completion of the remaining large-scale topographic quadrangles of the conterminous United States. They contain essentially the same level of information as the standard series maps. This series can be easily recognized by the title "Provisional Edition" in the lower right-hand corner.

*** Topographic Bathymetric maps only.

Topographic Map Information

For more information about topographic maps produced by the USGS, please call: 1-888-ASK-USGS or visit us at <http://ask.usgs.gov/>

National Mapping Program

Topographic Map Symbols

National Large Scale Series



1:24,000 scale—conventional units



1:25,000 scale—metric units



Provisional edition

U. S. Department of the Interior
Geological Survey
National Mapping Division

Map series and quadrangles

Each map in a U. S. Geological Survey series conforms to established specifications for size, scale, content, and symbolization. Except for maps which are formatted on a County or State basis, USGS quadrangle series maps cover areas bounded by parallels of latitude and meridians of longitude.

Map scale

Map scale is the relationship between distance on a map and the corresponding distance on the ground. Scale is expressed as a ratio, such as 1:25,000, and shown graphically by bar scales marked in feet and miles or in meters and kilometers.

Standard edition maps

Standard edition topographic maps are produced at 1:20,000 scale (Puerto Rico) and 1:24,000 or 1:25,000 scale (conterminous United States and Hawaii) in either 7.5 x 7.5- or 7.5 x 15-minute format. In Alaska, standard edition maps are available at 1:63,360 scale in 7.5 x 20 to 36-minute quadrangles. Generally, distances and elevations on 1:24,000-scale maps are given in conventional units: miles and feet, and on 1:25,000-scale maps in metric units: kilometers and meters.

The shape of the Earth's surface, portrayed by contours, is the distinctive characteristic of topographic maps. Contours are imaginary lines which follow the land surface or the ocean bottom at a constant elevation above or below sea level. The contour interval is the elevation difference between adjacent contour lines. The contour interval is chosen on the basis of the map scale and on the local relief. A small contour interval is used for flat areas; larger intervals are used for mountainous terrain. In very flat areas, the contour interval may not show sufficient surface detail and supplementary contours at less than the regular interval are used.

The use of color helps to distinguish kinds of features:

- Black—cultural features such as roads and buildings.
- Blue—hydrographic features such as lakes and rivers.
- Brown—hypographic features shown by contour lines.
- Green—woodland cover, scrub, orchards, and vineyards.
- Red—important roads and public land survey system.
- Purple—features added from aerial photographs during map revision. The changes are not field checked.

Some quadrangles are mapped by a combination of orthophotographic images and map symbols. Orthophotographs are derived from aerial photographs by removing image displacements due to camera tilt and terrain relief variations. An orthophotoquad is a standard quadrangle format map on which an orthophotograph is combined with a grid, a few place names, and highway route numbers. An orthophotomap is a standard quadrangle format map on which a color enhanced orthophotograph is combined with the normal cartographic detail of a standard edition topographic map.

Provisional edition maps

Provisional edition maps are produced at 1:24,000 or 1:25,000 scale (1:63,360 for Alaskan 15-minute maps) in conventional or metric units and in either a 7.5 x 7.5- or 7.5 x 15-minute format. Map content generally is the same as for standard edition 1:24,000- or 1:25,000-scale quadrangle maps. However, modified symbolism and production procedures are used to speed up the completion of U.S. large-scale topographic map coverage.

The maps reflect a provisional rather than a finished appearance. For most map features and type, the original manuscripts which are prepared when the map is compiled from aerial photographs, including hand lettering, serve as the final copy for printing. Typeset lettering is applied only for features which are designated by an approved name. The number of names and descriptive labels shown on provisional maps is less than that shown on standard edition maps. For example, church, school, road, and railroad names are omitted.

Provisional edition maps are sold and distributed under the same procedures that apply to standard edition maps. At some future time, provisional maps will be updated and reissued as standard edition topographic maps.

National Mapping Program indexes

Indexes for each State, Puerto Rico, the U. S. Virgin Islands, Guam, American Samoa, and Antarctica are available. Separate indexes are available for 1:100,000-scale quadrangle and county maps; USGS/Defense Mapping Agency 15-minute (1:50,000-scale) maps; U. S. small scale maps (1:250,000, 1:1,000,000, 1:2,000,000 scale; State base maps; and U. S. maps); land use/land cover products; and digital cartographic products.

Series	Scale	1 inch represents approximately	1 centimeter represents	Size (latitude x longitude)	Area (square miles)
Puerto Rico 7.5-minute	1:20,000	1,667 feet	200 meters	7.5 x 7.5 min.	71
7.5-minute	1:24,000	2,000 feet (exact)	240 meters	7.5 x 7.5 min.	49 to 70
7.5-minute	1:25,000	2,083 feet	250 meters	7.5 x 7.5 min.	49 to 70
7.5 x 15-minute	1:25,000	2,083 feet	250 meters	7.5 x 15 min.	98 to 140
USGS/DMA 15-minute	1:50,000	4,166 feet	500 meters	15 x 15 min.	197 to 282
15-minute	1:62,500	1 mile	625 meters	15 x 15 min.	197 to 282
Alaska 1:63,360	1:63,360	1 mile (exact)	633.6 meters	15 x 20 to 36 min.	207 to 281
County 1:50,000	1:50,000	4,166 feet	500 meters	County area	Varies
County 1:100,000	1:100,000	1.6 miles	1 kilometer	County area	Varies
30 x 60-minute	1:100,000	1.6 miles	1 kilometer	30 x 60 min.	1,568 to 2,240
U. S. 1:250,000	1:250,000	4 miles	2.5 kilometers	1° x 2° or 3°	4,580 to 8,669
State maps	1:500,000	8 miles	5 kilometers	State area	Varies
U. S. 1:1,000,000	1:1,000,000	16 miles	10 kilometers	4° x 6°	73,734 to 102,759
U. S. Sectional	1:2,000,000	32 miles	20 kilometers	State groups	Varies
Antarctica 1:250,000	1:250,000	4 miles	2.5 kilometers	1° x 3° to 15°	4,089 to 8,336
Antarctica 1:500,000	1:500,000	8 miles	5 kilometers	2° x 7.5°	28,174 to 30,462

How to order maps

Mail orders. Order by map name, State, and series/scale. Payment by money order or check payable to the U. S. Geological Survey must accompany your order. Your complete address, including ZIP code, is required.

Maps of areas *east* of the Mississippi River, including Minnesota, Puerto Rico, the Virgin Islands of the United States, and Antarctica.

Eastern Distribution Branch
U. S. Geological Survey
1200 South Eads Street
Arlington, VA 22202

Maps of areas *west* of the Mississippi River, including Alaska, Hawaii, Louisiana, American Samoa, and Guam.

Western Distribution Branch
U. S. Geological Survey
Box 25286, Federal Center
Denver, CO 80225

A single order combining both eastern and western maps may be placed with either office.

Residents of Alaska may order Alaska maps or an index for Alaska from the Alaska Distribution Section, U. S. Geological Survey, New Federal Building — Box 12, 101 Twelfth Avenue, Fairbanks, AK 99701.

Sales counters. Maps of the area may be purchased over the counter at the following U. S. Geological Survey offices.

Alaska	Anchorage	Room 108, Skyline Building, 508 Second Avenue
	Fairbanks	Room 126, New Federal Building, 101 Twelfth Avenue
California	Los Angeles	Room 7638, Federal Building, 300 North Los Angeles Street
	Menlo Park	Room 122, Building 3, 345 Middlefield Road
	San Francisco	Room 504, Custom House, 555 Battery Street
Colorado	Denver	Building 41, Federal Center
	Denver	Room 169, Federal Building, 1961 Stout Street
District of Columbia	Washington	Room 1028, General Services Administration Bldg., 19th and F Sts. NW
Missouri	Rolla	1400 Independence Road
Texas	Dallas	Room 1C45, Federal Building, 1100 Commerce Street
Utah	Salt Lake City	Room 8105, Federal Building, 125 South State Street
Virginia	Arlington	1200 South Eads Street
	Reston	Room 1C402, National Center, 12201 Sunrise Valley Drive
Washington	Spokane	Room 678, U. S. Court House, West 920 Riverside Avenue

Commercial dealers. Names and addresses of dealers are listed in each State index. Commercial dealers sell U. S. Geological Survey maps at their own prices.

Provisional edition maps - metric or conventional units

Metric unit maps		Conventional unit maps		
CONTROL DATA AND MONUMENTS				
Aerial photograph roll and frame number	Not Shown	Not Shown	3-20	
Horizontal control:				
Third order or better, permanent mark	Neace △	Neace △	Neace △	
With third order or better elevation	BM △ 148	BM △ 45.1	BM △ 45.1	
Checked spot elevation	△ 64	△ 19.5	Not Shown	
Coincident with section corner	Cactus △	Cactus △	Cactus △	
Unmonumented	Not Shown	Not Shown	+	
Vertical control:				
Third order or better, with tablet	BM × 53	BM × 16.3	BM × 53A	
Third order or better, recoverable mark	× 394	× 120.0	× 393.1	
Bench mark at found section corner	BM + 61	BM + 18.6	BM + 60.9	
Spot elevation	× 17	× 5.3	× 17	
Boundary monument:				
With tablet	BM □ 71	BM □ 21.6	BM □ 71	
Without tablet	□ 562	□ 171.3	□ 562	
With number and elevation	67 □ 988	67 □ 301.1	67 □ 988 USMM	
U.S. mineral or location monument	▲	▲	▲	
BOUNDARIES				
National				
State or territorial				
County or equivalent				
Civil township or equivalent				
Incorporated city or equivalent				
Park, reservation, or monument				
Small park				
LAND SURVEY SYSTEMS				
U.S. Public Land Survey System:				
Township or range line				
Location doubtful				
Section line				
Location doubtful				
Found section corner; found closing corner				
Witness corner; meander corner	WC MC	WC MC	WC MC	

Provisional edition maps - metric or conventional units

Metric unit maps		Conventional unit maps	
Other land surveys:			
Township or range line			
Section line			
Land grant or mining claim; monument			
Fence line			
ROADS AND RELATED FEATURES			
Primary highway			
Secondary highway			
Light duty road			
Unimproved road			
Trail			
Dual highway			
Dual highway with median strip			
Road under construction			
Underpass; overpass			
Bridge			
Drawbridge			
Tunnel			
BUILDINGS AND RELATED FEATURES			
Dwelling or place of employment: small; large			
School; church			
Barn, warehouse, etc.: small; large			
House omission tint			
Racetrack			
Airport			
Landing strip			
Well (other than water); windmill			
Water tank: small; large			
Other tank: small; large			
Covered reservoir			
Gaging station			
Landmark object			
Campground; picnic area			
Cemetery: small; large			

Provisional edition maps - metric or conventional units

Metric unit maps		Conventional unit maps	
RAILROADS AND RELATED FEATURES			
Standard gauge single track; station			
Standard gauge multiple track			
Abandoned			
Under construction			
Narrow gauge single track			
Narrow gauge multiple track			
Railroad in street			
Juxtaposition			
Roundhouse and turntable			
TRANSMISSION LINES AND PIPELINES			
Power transmission line: pole; tower			
Telephone or telegraph line			
Aboveground oil or gas pipeline			
Underground oil or gas pipeline			
CONTOURS			
Topographic:			
Intermediate			
Index			
Supplementary			
Depression			
Cut; fill			
Bathymetric:			
Intermediate			Not Shown
Index			
Primary			
Index Primary			
Supplementary			
MINES AND CAVES			
Quarry or open pit mine			
Gravel, sand, clay, or borrow pit			
Mine tunnel or cave entrance			
Prospect; mine shaft			
Mine dump			
Tailings			

Provisional edition maps - metric or conventional units

Metric unit maps		Conventional unit maps	
SURFACE FEATURES			
Levee			
Sand or mud area, dunes, or shifting sand			
Intricate surface area			
Gravel beach or glacial moraine			
Tailings pond			
VEGETATION			
Woods			
Scrub			
Orchard			
Vineyard			
Mangrove			
MARINE SHORELINE			
Topographic maps:			
Approximate mean high water			
Indefinite or unsurveyed			
Topographic-bathymetric maps:			
Mean high water			
Apparent (edge of vegetation)			
COASTAL FEATURES			
Foreshore flat			
Rock or coral reef			
Rock bare or awash			
Group of rocks bare or awash			
Exposed wreck			
Depth curve; sounding			
Breakwater, pier, jetty, or wharf			
Seawall			
BATHYMETRIC FEATURES			
Area exposed at mean low tide; sounding datum			
Channel			
Offshore oil or gas: well; platform			
Sunken rock			

Provisional edition maps - metric or conventional units

Metric unit maps		Conventional unit maps		
RIVERS, LAKES, AND CANALS				
Intermittent stream			
Intermittent river			
Disappearing stream			
Perennial stream			
Perennial river			
Small falls; small rapids			
Large falls; large rapids			
Masonry dam			
Dam with lock			
Dam carrying road			
Intermittent lake or pond			
Dry lake			
Narrow wash			
Wide wash			
Canal, flume, or aqueduct with lock			
Elevated aqueduct, flume, or conduit			
Aqueduct tunnel			
Water well; spring or seep			
GLACIERS AND PERMANENT SNOWFIELDS				
Contours and limits			
Form lines			
SUBMERGED AREAS AND BOGS				
Marsh or swamp			
Submerged marsh or swamp			
Wooded marsh or swamp			
Submerged wooded marsh or swamp			
Rice field			
Land subject to inundation			

TOPOGRAPHIC MAP SYMBOLS

VARIATIONS WILL BE FOUND ON OLDER MAPS

Primary highway, hard surface	
Secondary highway, hard surface	
Light-duty road, hard or improved surface	
Unimproved road	
Trail	
Railroad: single track	
Railroad: multiple track	
Bridge	
Drawbridge	
Tunnel	
Footbridge	
Overpass—Underpass	
Power transmission line with located tower	
Landmark line (labeled as to type)	TELEPHONE

Dam with lock	
Canal with lock	
Large dam	
Small dam: masonry — earth	
Buildings (dwelling, place of employment, etc.)	
School—Church—Cemeteries	
Buildings (barn, warehouse, etc.)	
Tanks; oil, water, etc. (labeled only if water)	
Wells other than water (labeled as to type)	
U.S. mineral or location monument — Prospect	
Quarry — Gravel pit	
Mine shaft—Tunnel or cave entrance	
Campsite — Picnic area	
Located or landmark object—Windmill	
Exposed wreck	
Rock or coral reef	
Foreshore flat	
Rock: bare or awash	

Horizontal control station	
Vertical control station	
Road fork — Section corner with elevation	
Checked spot elevation	
Unchecked spot elevation	

Boundary: national	
State	
county, parish, municipio	
civil township, precinct, town, barrio	
incorporated city, village, town, hamlet	
reservation, national or state	
small park, cemetery, airport, etc.	
land grant	
Township or range line, U.S. land survey	
Section line, U.S. land survey	
Township line, not U.S. land survey	
Section line, not U.S. land survey	
Fence line or field line	
Section corner: found—indicated	
Boundary monument: land grant—other	

Index contour	
Supplementary cont.	
Cut — Fill	
Mine dump	
Dune area	
Sand area	
Tailings	
Intermediate contour	
Depression contours	
Levee	
Large wash	
Tailings pond	
Distorted surface	
Gravel beach	

Glacier	
Perennial streams	
Water well—Spring	
Rapids	
Channel	
Sounding—Depth curve	
Dry lake bed	
Intermittent streams	
Aqueduct tunnel	
Falls	
Intermittent lake	
Small wash	
Marsh (swamp)	
Land subject to controlled inundation	

Woodland	
Submerged marsh	
Orchard	
Vineyard	
Mangrove	
Scrub	
Wooded marsh	
Bldg. omission area	