### 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
- BM 9134 BM 277
- BM 5628
- BM 4567

### Horizontal control
- Third-order or better, permanent mark
- With third-order or better elevation
- With checked spot elevation

### 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
  BM 529
- Bench mark coincident with found section corner
  BM D280
- Spot elevation
  7823

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
- 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
- Tailings
- Mine dump
- Former disposal site or mine

PROJECTION AND GRIDS

Neatline
39'15"
90°37'30"

Graticule tick

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 mercator grid
- UTM grid (full grid)
  273
- UTM grid ticks*
  169

RAILROADS AND RELATED FEATURES

Standard guage railroad, single track
Standard guage railroad, multiple track
Narrow guage railroad, single track
Narrow guage 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
**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/