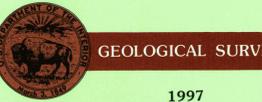




- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



Produced by the United States Geological Survey  
 Derived from imagery taken 1978 and other sources. Photospanned using imagery taken 1997; no major culture or drainage changes observed. Survey control current as of 1979. Boundaries revised 1998.  
 North American Datum of 1927 (NAD 27). Projection and 1000-meter grid. Universal Transverse Mercator, zone 19. 10 000-foot ticks: Massachusetts coordinate system, mainland zone. North American Datum of 1983 (NAD 83) is shown by dashed corner ticks. The values of the shifts between NAD 27 and NAD 83 for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software.  
 Selected bathymetric data compiled from NOS charts, 13270, 13271 (1982), 13275, and 13276 (1981). This information is not intended for navigational purposes.  
 There may be private inholdings within the boundaries of the National or State reservations shown on this map.  
 CONTOUR INTERVAL: 3 METERS  
 NATIONAL GEODETIC VERTICAL DATUM OF 1929  
 CONTROL ELEVATIONS SHOWN TO THE NEAREST 0.1 METER  
 OTHER ELEVATIONS SHOWN TO THE NEAREST 0.5 METER  
 DATUM IS MEAN LOWER LOW WATER  
 THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE  
 THE MEAN RANGE OF TIDE IS APPROXIMATELY 2.7 METERS

THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS

| CONVERSION TABLE |         | DECLINATION DIAGRAM |  | ADJOINING MAPS |   |   |
|------------------|---------|---------------------|--|----------------|---|---|
| Meters           | Feet    | MAGNETIC            |  | 1              | 2 | 3 |
| 1                | 3.2808  | 16°                 |  | 1              | 2 | 3 |
| 2                | 6.5616  | 17°                 |  | 4              | 5 |   |
| 3                | 9.8424  | 18°                 |  | 6              | 7 | 8 |
| 4                | 13.1232 | 19°                 |  |                |   |   |
| 5                | 16.4040 | 20°                 |  |                |   |   |
| 6                | 19.6848 | 21°                 |  |                |   |   |
| 7                | 22.9656 | 22°                 |  |                |   |   |
| 8                | 26.2464 | 23°                 |  |                |   |   |
| 9                | 29.5272 | 24°                 |  |                |   |   |
| 10               | 32.8080 | 25°                 |  |                |   |   |

To convert meters to feet multiply by 3.2808  
 To convert feet to meters multiply by 0.3048  
 UTM grid convergence (GN) and 1998 magnetic declination (MN) at center of map. Diagram is approximate.

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USGS NMD  
 HISTORICAL MAP ARCHIVES

Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Light-duty road, hard or improved surface
- Unimproved road; trail
- Route markers: Interstate, U. S. State
- Railroad: standard gage; narrow gage
- Bridge; drawbridge
- Footbridge; overpass; underpass
- Build-up area: only selected landmark buildings shown
- House; barn; church; school; large structure
- Boundary:
  - National, with monument
  - State
  - County, parish
  - Civil township, precinct, district
  - Incorporated city, village, town
  - National or State reservation; small park
  - Land grant with monument; land section corner
  - U. S. public lands survey: range, township; section
  - Range, township; section line: location approximate
  - Fence or field line
  - Power transmission line, located tower
  - Dam; dam with lock
  - Cemetery; grave
  - Campground; picnic area; U. S. location monument
  - Windmill; water well; spring
  - Mine shaft; prospect; sill or ore
  - Control: horizontal station; vertical station; spot elevation
  - Contours: index; intermediate; supplementary; depression
  - Distorted surface: strip mine, lava, sand
  - Bathymetric contours: index; intermediate
  - Perennial lake and stream; intermittent lake and stream
  - Rapids, large and small; falls, large and small
  - Submerged marsh; marsh; swamp
  - Land subject to controlled inundation; woodland
  - Scrub; mangrove
  - Orchard; vineyard

A pamphlet describing topographic maps is available on request  
 FOR SALE BY U.S. GEOLOGICAL SURVEY  
 P.O. BOX 25286, DENVER, COLORADO 80225

