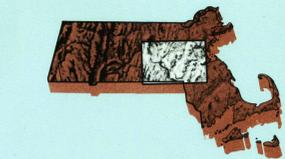


Boston

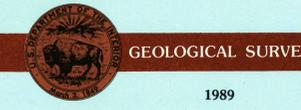
MASSACHUSETTS
RHODE ISLAND - CONNECTICUT

1:100 000-scale metric
topographic map



30 X 60 MINUTE QUADRANGLE
SHOWING

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



Produced by the United States Geological Survey
 Compiled from USGS 1:24 000-scale topographic maps dated 1970-1979. Planimetry revised from aerial photographs taken 1965-86 and other source data. Revised information not field checked. Map edited 1989.
 Projection and 10 000-meter grid, zone 19 Universal Transverse Mercator
 25 000-foot grid ticks based on Massachusetts coordinate system, maintained since
 1927 North American Datum
 To place on the predicted North American Datum 1983, move the projection lines 6 meters south and 40 meters west
 There may be private inholdings within the boundaries of the National or State reservations shown on this map.

CONTOUR INTERVAL 10 METERS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

| CONVERSION TABLE | | DECLINATION DIAGRAM | | ADJOINING MAPS | | | | | |
|--|----------|---------------------|--|---|----|--------------|--|--|--|
| Meters | Feet | | | 1 | 2 | 3 | | | |
| 2 | 6 561.7 | | | 4 | 5 | | | | |
| 4 | 13 123.4 | | | 6 | 7 | | | | |
| 6 | 19 685.1 | | | 8 | 8 | | | | |
| 8 | 26 246.8 | | | 10 | 9 | | | | |
| 10 | 32 808.5 | | | 12 | 10 | | | | |
| To convert meters to feet multiply by 3.2808 | | | | UTM grid convergence (GM) and 100 magnetic declination (MN) at center of map multiply by 0.3048 | | 1 Kenne | | | |
| To convert feet to meters multiply by 0.3048 | | | | Diagram is approximate | | 2 Lowell | | | |
| | | | | | | 3 Gloucester | | | |
| | | | | | | 4 Haverhill | | | |
| | | | | 5 Provincetown | | | | | |
| | | | | 6 Presumpscot | | | | | |
| | | | | 7 New Bedford | | | | | |



Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, principal street, hard or improved surface
- Other road or street, real
- Route marker, interstate; U. S.; State
- Railroad: standard gauge; narrow gauge
- Bridge: overpass; underpass
- Tunnel: road; railroad
- Built up area, locality, elevation
- Airport: landing field; landing strip
- National boundary
- State boundary
- County boundary
- National or State reservation boundary
- Land grant boundary
- U. S. public lands survey: range, township; section
- Range, township; section line: protected
- Power transmission line: pipeline
- Dam; dam with lock
- Cemetery; building
- Well: water well; spring
- Mine shaft; edit or cave; mine, quarry; gravel pit
- Campground; picnic area; U. S. location monument
- Rail; edit; dwelling
- Distorted surface: strip mine, lava, sand
- Contours: index; intermediate; supplementary
- Bathymetric contours: index; intermediate
- Stream, lake: perennial; intermittent
- Rapids, large and small; falls, large and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation; woodland
- Scrub; mangrove
- Orchard; vineyard

A pamphlet describing topographic maps is available on request

