



Boston North

MASSACHUSETTS

1:25 000-scale metric
topographic map

7.5 X 15 MINUTE QUADRANGLE
SHOWING

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

GEOLOGICAL SURVEY

1985

Produced by the United States Geological Survey in cooperation with Massachusetts Department of Public Works
Control by USGS, NOS/NOAA, and Commonwealth of Massachusetts agencies
Compiled by photogrammetric methods from aerial photographs taken 1978. Field checked 1979. Map edited 1985
Supersedes Boston North and Lexington 1:25,000-scale maps dated 1971
Selected hydrographic data compiled from NOS chart 13272 (1982)
This information is not intended for navigational purposes
Projection and 1000-meter grid: Universal Transverse Mercator, zone 19
10,000-foot grid ticks based on Massachusetts coordinate system, mainland zone. 1927 North American Datum
To place on the projected North American Datum 1983 move the projection lines 6 meters south and 43 meters west as shown by dashed corner ticks
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
OTHER ELEVATIONS SHOWN TO THE NEAREST 0.1 METER
OTHER ELEVATIONS SHOWN TO THE NEAREST 0.3 METER
DEPTH CURVES AND SOUNDINGS IN METERS
DATUM IS MEAN LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 2.5 METERS

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE	
Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1234
5	16.4042
6	19.6850
7	22.9659
8	26.2467
9	29.5276
10	32.8084

To convert meters to feet multiply by 3.2808
To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM	
UTM	Magnetic
0°	0°
1°	1°
2°	2°
3°	3°
4°	4°
5°	5°
6°	6°
7°	7°
8°	8°

UTM grid convergence (GTM) of magnetic declination (MD)
To convert feet to meters multiply by 0.3048
Diagram is approximate

ADJOINING MAPS		
1	2	3
1	2	3
4	5	6
7	8	9

1 Billerica
2 Reading
3 Salem
4 Maynard
5 Lynn
6 Framingham
7 Boston South
8 Hull

USGS NHD HISTORICAL MAP FOR SALE BY U.S. GEOLOGICAL SURVEY
JUL 23 1986
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RESTON, VIRGINIA 22092

Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Unimproved road, trail
- Light-duty road, hard or improved surface
- Road marker: interstate, U. S., State
- Railroad: standard gage, narrow gage
- Bridge: drawbridge
- Footbridge, overpass, underpass
- Railroad area: only selected industrial 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
- Well: water, well, spring
- Mine shaft, prospect, adit or cave
- Control: horizontal station, vertical station, spot elevation
- Contours: index, intermediate, supplementary, depression
- Distorted surface: strip mine, low, and
- 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