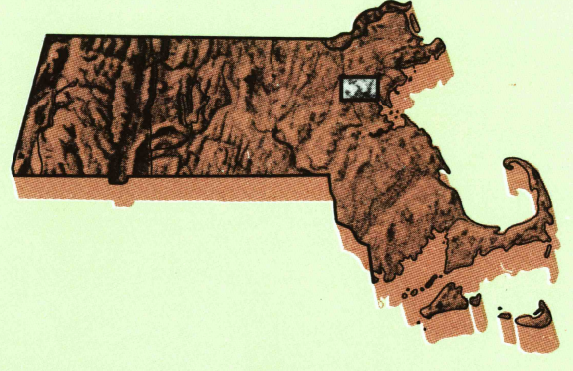




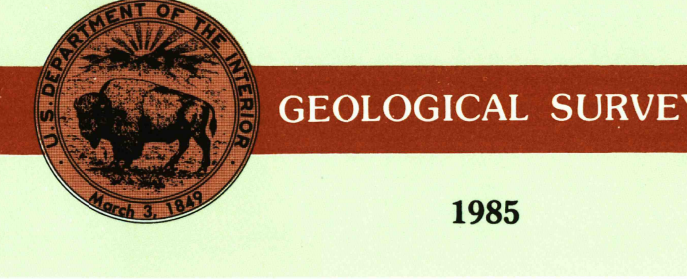
Boston North MASSACHUSETTS

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

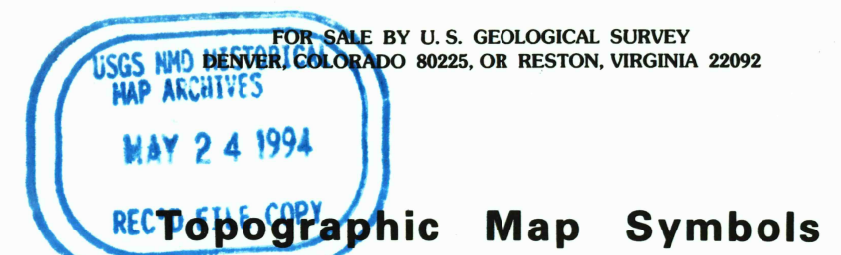


Produced by the United States Geological Survey
in cooperation with Massachusetts Department
of Public Works
Control by USGS, NOS/NOAA, and Commonwealth of
Massachusetts agencies
Compiled by photogrammetric methods from aerial photographs
taken 1978. Field checked 1979. Map edited 1985
Supersedes Boston 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 predicted North American Datum 1983
move the projection lines 6 meters south and
41 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
CONTROL ELEVATIONS SHOWN TO THE NEAREST 0.1 METER
OTHER ELEVATIONS SHOWN TO THE NEAREST 0.5 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 2.9 METERS

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE	DECLINATION DIAGRAM	ADJOINING MAPS																																		
<table><tr><th>Meters</th><th>Fathoms</th></tr><tr><td>1</td><td>2.2089</td></tr><tr><td>2</td><td>2.6867</td></tr><tr><td>3</td><td>3.8425</td></tr><tr><td>4</td><td>4.1124</td></tr><tr><td>5</td><td>16.4042</td></tr><tr><td>6</td><td>16.0860</td></tr><tr><td>7</td><td>22.8659</td></tr><tr><td>8</td><td>26.2467</td></tr><tr><td>9</td><td>28.5375</td></tr><tr><td>10</td><td>32.8084</td></tr></table>	Meters	Fathoms	1	2.2089	2	2.6867	3	3.8425	4	4.1124	5	16.4042	6	16.0860	7	22.8659	8	26.2467	9	28.5375	10	32.8084		<table><tr><th>1</th><th>2</th><th>3</th></tr><tr><td>1</td><td>2</td><td>3</td></tr><tr><td>4</td><td>5</td><td>6</td></tr><tr><td>7</td><td>8</td><td>9</td></tr></table>	1	2	3	1	2	3	4	5	6	7	8	9
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To convert meters to feet multiply by 3.2808	UTM grid convergence (GNI) and 1983 metric declination (GMA) at center of map Diagram is approximate	1 Billerica 2 Reading 3 Salem 4 Maynard 5 Lynn 6 Framingham 7 Boston South 8 Hull																																		
To convert feet to meters multiply by 0.3048																																				



Primary highway, hard surface	
Secondary highway, hard surface	
Light-duty road, hard or improved surface	
Unimproved road; trail	
Route marker: Interstate; U.S. State	
Railroad: standard gauge; narrow gauge	
Bridge; drawbridge	
Footbridge; overpass; underpass	
Railroad 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; found 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; adit or cave	
Control: horizontal station; vertical station; spot elevation	
Contours: index, intermediate, supplementary, depression	
Distorted surface: strip mine; levee; sand	
Bathymetric contours: index, intermediate	
Perennial lake and stream; intermittent lake and stream	
Rapids; large and small; falls, large and small	
Summer marsh; marsh; swamp	
Land subject to controlled inundation; woodland	
Scrub; mangrove	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request