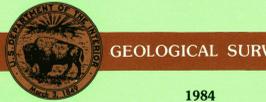




- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



Produced by the United States Geological Survey in cooperation with Massachusetts Department of Public Works

Control by USGS, NOS/NOAA, USCE, and Massachusetts agencies. Compiled by photogrammetric methods from aerial photographs taken 1978. Field checked 1979. Map edited 1984.

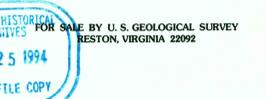
Supersedes Gloucester and Rockport 1:25,000-scale maps dated 1973. Selected hydrographic data compiled from NOS charts 13278, 13279 (1983), and 13281 (1982).

This information is not intended for navigational purposes. Projection and 1000-meter grid, zone 19: Universal Transverse Mercator. 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 42 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. 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. SHOULDER SYMBOL REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER. THE MEAN RANGE OF TIDE IS APPROXIMATELY 2.4 METERS. THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS.

Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1234
5	16.4043
6	19.6852
7	22.9660
8	26.2469
9	29.5278
10	32.8084



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

Topographic Map Symbols

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 gage, narrow gage	.....
Bridge: drawbridge	.....
Footbridge; culverts; underpass	.....
Buildup 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	.....
Cemetery; grave	.....
Commemorative stone over 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	.....
Disturbed 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	.....
Submerged mark; mark, aqueduct	.....
Land subject to controlled inundation; woodland	.....
Scrub; mangrove	.....
Orchard; vineyard	.....

A pamphlet describing topographic maps is available on request.

