



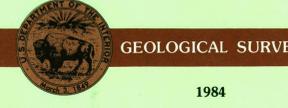
Gloucester MASSACHUSETTS

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 1984
 Supersedes Gloucester and Rockport 1:25,000-scale maps dated 1973
 Selected hydrographic data compiled from NOS charts 1307 (1981), 1378, 1379 (1963), and 1389 (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

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
 THE DASHED LINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
 THE MEAN RANGE OF TIDE IS APPROXIMATELY 2.7 METER
 THIS MAP COMPLIES 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

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

Declination	Diagram
16° 15' N	Diagram showing magnetic declination
13° 30' N	Diagram showing magnetic declination

UTM grid convergence (GM) and 1984 magnetic declination (MD) at center of map. Diagram is approximate.

Adjoining Maps	1	2	3
1 Ipswich			
2 Rockport			
3 Salem			
4 Lynn			
5			
6			
7			
8			

FOR SALE BY U. S. GEOLOGICAL SURVEY RESTON, VIRGINIA 22092

Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Light-duty road, hard or improved surface
- Unimproved road, trail
- Road marker: Interstate, U. S., State
- Railroad: standard gage; narrow gage
- Bridge: drawbridge
- Footbridge; overpass; underpass
- Built-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; salt or cove; Control: horizontal station; vertical station; spot elevation; Contours: index; intermediate; supplementary; depression; Disturbed 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; Sodic mangrove; Orchard; vineyard

SCALE 1:25 000
 1 CENTIMETER ON THE MAP REPRESENTS 250 METERS ON THE GROUND
 CONTOUR INTERVAL 3 METERS

GLOUCESTER, MASSACHUSETTS
 42070-E5-TM-025

