



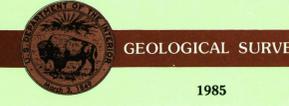
# Ipswich MASSACHUSETTS

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



Published by the United States Geological Survey in cooperation with Massachusetts Department of Public Works  
 Control by USGS, NOS/NOAA USCE, and Commonwealth of Massachusetts agencies  
 Compiled by photogrammetric methods from aerial photographs taken 1978. Field checked 1979. Map edited 1985  
 Supersedes Georgetown and Ipswich 1:25,000-scale maps dated 1966 and 1982 (1979). 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 42 meters west as shown by dashed corner ticks  
 There may be private subdivisions 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  
 THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE  
 DATUM IS MEAN LOW WATER  
 SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER  
 THE MEAN RANGE OF TIDE IS APPROXIMATELY 2.6 METERS

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

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	29.5275
10	32.8084

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

Declination	Miles
1°	284
2°	568
3°	852
4°	1136
5°	1420
6°	1704
7°	1988
8°	2272
9°	2556
10°	2840

UTM grid convergence (GN) and 1985 magnetic declination at center of map Diagram is approximate

Adjoining Maps	1	2	3	4	5	6	7	8
1	1	2	3	4	5	6	7	8
2	1	2	3	4	5	6	7	8
3	1	2	3	4	5	6	7	8
4	1	2	3	4	5	6	7	8
5	1	2	3	4	5	6	7	8
6	1	2	3	4	5	6	7	8
7	1	2	3	4	5	6	7	8
8	1	2	3	4	5	6	7	8

1 Hawthorn  
 2 Newburyport  
 3 Lawrence  
 4 Rockport  
 5 Reading  
 6 Salem  
 7 Gloucester

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	.....
Route marker: Interstate, U. S., State	.....
Railroad: standard gage; narrow gage	.....
Bridge: drawbridge	.....
Footbridge: overpass; underpass	.....
Build-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; 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; shaft or cave	.....
Control: horizontal station; vertical station; spot elevation	.....
Contours: index; intermediate; supplementary; depression	.....
Distorted surface: strip mine, lava; sand	.....
Bathymetric contours: index; intermediate	.....
Personal 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

USGS MHD HISTORICAL MAP  
SEP 29 1985  
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