



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

1985

Published by the United States Geological Survey in cooperation with Massachusetts Department of Public Works
 Controlled 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 Geographical and Township 1:25,000-scale maps dated 1966 and 1982 (1978). 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, established on 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
 CONTOUR INTERVAL 3 METERS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 OTHER ELEVATIONS SHOWN TO THE NEAREST 0.1 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 2.6 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	29.5276
10	32.8084

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

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

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

FOR SALE BY U.S. GEOLOGICAL SURVEY
 DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
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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	.....
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; 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	.....
Canal; grout	.....
Campground; picnic area; U. S. location monument	.....
Windmill; water well; spring	.....
Mine shaft; prospect; adit or cave	.....
Control: horizontal section; vertical section; 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	.....