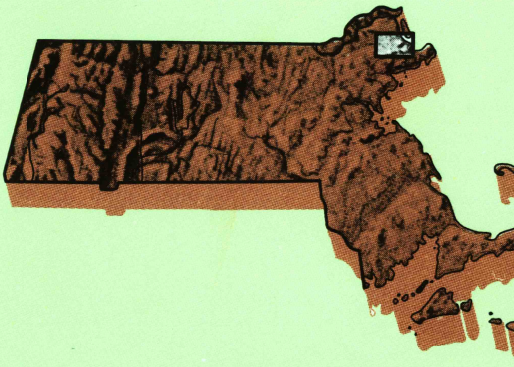




Ipswich

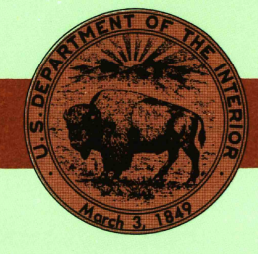
MASSACHUSETTS

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



GEOLOGICAL SURVEY

1985

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

Selected hydrographic data compiled from NOS charts 13279 (1983) and 13282 (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, 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

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

OF MEAN HIGH WATER

THE MEAN RANGE OF TIDE IS APPROXIMATELY 2.6 METERS

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U.S. GEOLOGICAL SURVEY

DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet			1	2	3
1	3.2808			4	5	
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		UTM grid convergence (GM) and 1985 magnetic declination (M) at center of map		1	2	3
To convert feet to meters multiply by 0.3048		Diagram is approximate		4	5	
				6	7	8

1 Haverhill
2 Newburyport
4 Lawrence
5 Rockport
6 Gloucester
7 Salem
8 Gloucester

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

Cemetery, grave

Compass rose; point 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

Submerged marsh; marsh, swamp

Land subject to controlled inundation; woodland

Scrub; mangrove

Orchard; vineyard

A pamphlet describing topographic maps is available on request

IPSWICH, MASSACHUSETTS

42070-F7-TM-025

1985