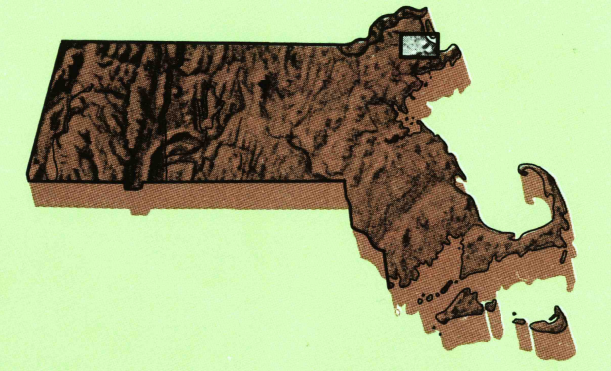




Ipswich

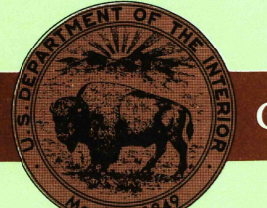
MASSACHUSETTS

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 dated 1985
Supersedes Georgetown and Ipswich 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, maintained since 1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 5 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
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

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	UTM grid convergence (GN) and 1985 magnetic declination at center of map Diagram is approximate		1	2	3
1	3.2808			1	Haushill	
2	6.5617			2	Newburyport	
3	9.8425			3	Lawrence	
4	13.1234			4	Rockport	
5	16.4042			5	Bedford	
6	19.6850			6	Salem	
7	22.9659			7	Gloster	
8	26.2467			8		
To convert meters to feet multiply by 3.2808						
To convert feet to meters multiply by 0.3048						

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	
Natural, 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