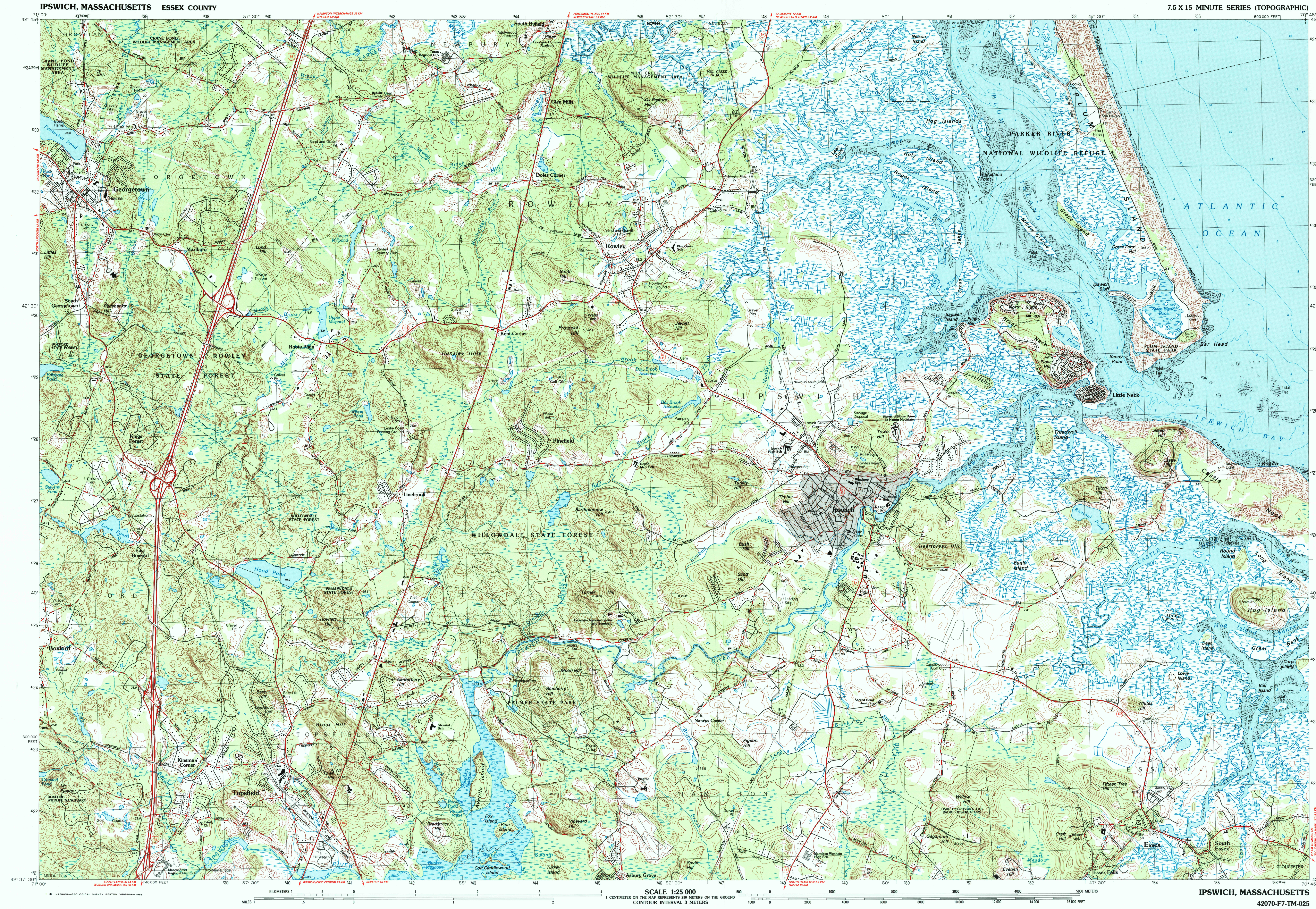




Ipswich

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 Rowley 1:25,000-scale maps dated 1966 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, maintained zone 19. 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. 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 COMPLES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS			
Meters	Feet		1	2	3	
1	3.2808		1	2	3	
2	6.5617		4	5	6	
3	9.8425		7	8		
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		UTM grid convergences (GN) and 1985 magnetic declination (MN) at center of map. Diagram is approximate.				
To convert feet to meters multiply by 0.3048						

1	2	3	
4	5	6	
7	8		

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FEB 6 1994

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	Route marker, 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	Campground; picnic area; U. S. location monument	Mine shaft; prospect; adit or cave	Control: national 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