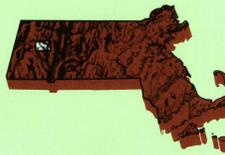


USGS
science for a changing world

Goshen

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

U.S. Department of the Interior
U.S. Geological Survey
1997



Produced by the United States Geological Survey
Derived from imagery taken 1981 and other sources. Photomapped using imagery taken 1997; no major culture or drainage changes observed. Survey control current as of 1984
Boundaries revised 1999
Supersedes Goshen and Worthington 1:25,000-scale maps dated 1972
North American Datum of 1927 (NAD 27). Projection and 1000-meter grid: Universal Transverse Mercator, zone 18
10 000-foot ticks: Massachusetts coordinate system, mainland zone
North American Datum of 1983 (NAD 83) is shown by dashed corner ticks. The values of the shift between NAD 27 and NAD 83 for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software
There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 6 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
CONTOUR ELEVATIONS SHOWN TO THE NEAREST 0.1 METER
OTHER ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS				
Meters	Feet	UTM	GN	1	2	3		
1	3.2808	UTM	GN	1	2	3		
2	6.5617			4	5			
3	9.8425			6	7	8		
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
UTM grid convergence (GN) and 1983 magnetic declination (GN+1983) at center of map
Diagram is approximate

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HISTORICAL MAP ARCHIVES
ISBN 0-407-92645-7
9 780607 926453

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	
Facility: 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; land park	
Land grant with monument; found section corner	
U. S. public lands survey: range, township; section	
Range, township; section line: location approximate	
Face of field line	
Power transmission line, located tower	
Dam; dam with lock	
Cemetery; grave	
Campground; picnic area; U. S. location monument	
Wellhead; 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, lava, sand	
Bathymetric contours: index; intermediate	
Perennial lake and stream; intermittent lake and stream	
Reservoir, large and small; lake, large and small	
Swamp; marsh	
Submerged marsh; land subject to controlled inundation	
Woodland; scattered trees	
Scrub; mangrove	
Ditched; viewshed	

A pamphlet describing topographic maps is available on request
FOR SALE BY U.S. GEOLOGICAL SURVEY
P.O. BOX 25286, DENVER, COLORADO 80225