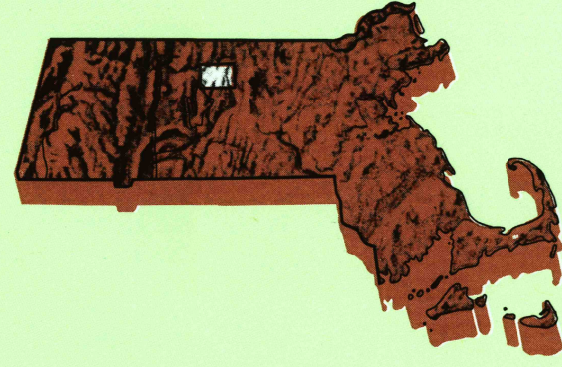


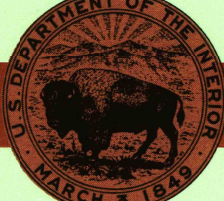
Athol MASSACHUSETTS

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

1988

Produced by the United States Geological Survey in cooperation with Massachusetts Department of Public Works
Control by USGS, NOS/NOAA, and Commonwealth of Massachusetts agencies
Compiled by photogrammetric methods from aerial photographs taken 1980. Field checked 1981. Map edited 1988
Supersedes Athol and Templeton 1:25,000-scale maps dated 1970
Projection and 1000-meter grid, zone 18
Universal Transverse Mercator
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 5 meters south and 39 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

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY
P.O. BOX 25286, DENVER, COLORADO 80225

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS																		
Meters	Feet			<table border="1"><tr><td>1</td><td>2</td><td>3</td></tr><tr><td>4</td><td></td><td>5</td></tr><tr><td>6</td><td>7</td><td>8</td></tr></table>				1	2	3	4		5	6	7	8						
1	2	3																				
4		5																				
6	7	8																				
1	3.2808	<p>UTM grid convergence (GN) and 1988 magnetic declination (MN) at center of map Diagram is approximate</p>	<table><tr><td>1</td><td>Northfield</td></tr><tr><td>2</td><td>Winchester</td></tr><tr><td>3</td><td>Ashburnham</td></tr><tr><td>4</td><td>Orange</td></tr><tr><td>5</td><td>Sturbridge</td></tr><tr><td>6</td><td>Fitchburg</td></tr><tr><td>7</td><td>Barre</td></tr><tr><td>8</td><td>Sterling</td></tr></table>				1	Northfield	2	Winchester	3	Ashburnham	4	Orange	5	Sturbridge	6	Fitchburg	7	Barre	8	Sterling
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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																						

ISBN 0-607-23477-1

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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
- Bulk-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
- 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, lava; sand
- Bathymetric contours: index; intermediate
- Perennial lake and stream; intermittent lake and stream
- Rapids, large and small; falls, large and small
- Swamp; marsh
- Submerged marsh; land subject to controlled inundation
- Woodland; scattered trees
- Scrub; mangrove
- Orchard; vineyard

A pamphlet describing topographic maps is available on request

ATHOL, MASSACHUSETTS
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1988