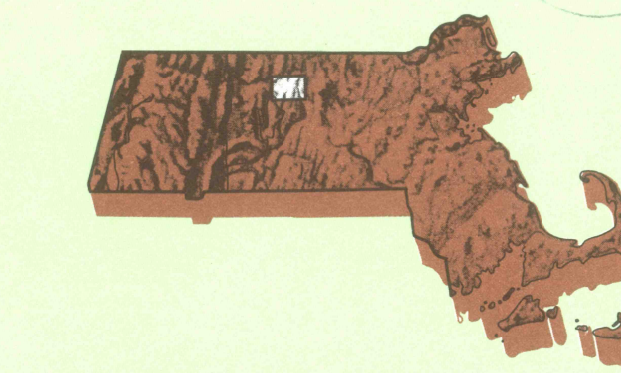
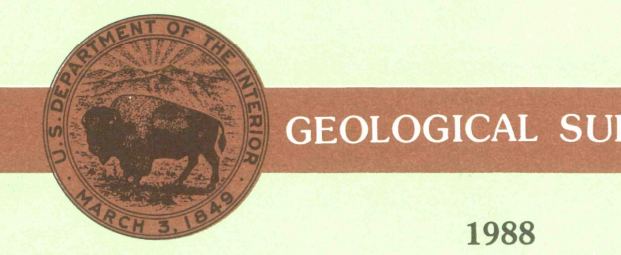


Athol MASSACHUSETTS 1:25 000-scale metric topographic map



7.5 X 15 MINUTE QUADRANGLE SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



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 holdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 3 METERS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 CONTOR 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

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Feet	Magnetic Declination		1	2	3
1	3.2808	UTM grid convergence (CM) and magnetic declination (MM) at center of map. Diagram is approximate.		4	5	
2	6.5617			6	7	8
4	13.1234			1 Northfield		
8	26.2468			2 Winchendon		
10	32.8087			3 Athol/Hubbardston		
To convert meters to feet multiply by 3.2808				4 Gardner		
To convert feet to meters multiply by 0.3048				5 Templeton		
				6 Phillipston		
				7 Harvard		
				8 Hubbardston		

FOR SALE BY U.S. GEOLOGICAL SURVEY
 DENVER, COLORADO 80225, OR 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 gauge, narrow gauge
- 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, land section corner
 - U. S. public lands survey: range, township, section
 - Range, township, section line: location approximate
 - Fence or field line
 - Power transmission line, loaded tower
 - Dam: dam with lock
 - Cemetery, grave
 - Campground, picnic area, U. S. location monument
 - Well: water well, spring
 - Mine shaft; prospect, adit or cave
 - Control: horizontal station; vertical station; spot elevation
 - Contours: index; intermediate; supplementary; depression
 - Quarried surface: 100 meters, less, 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