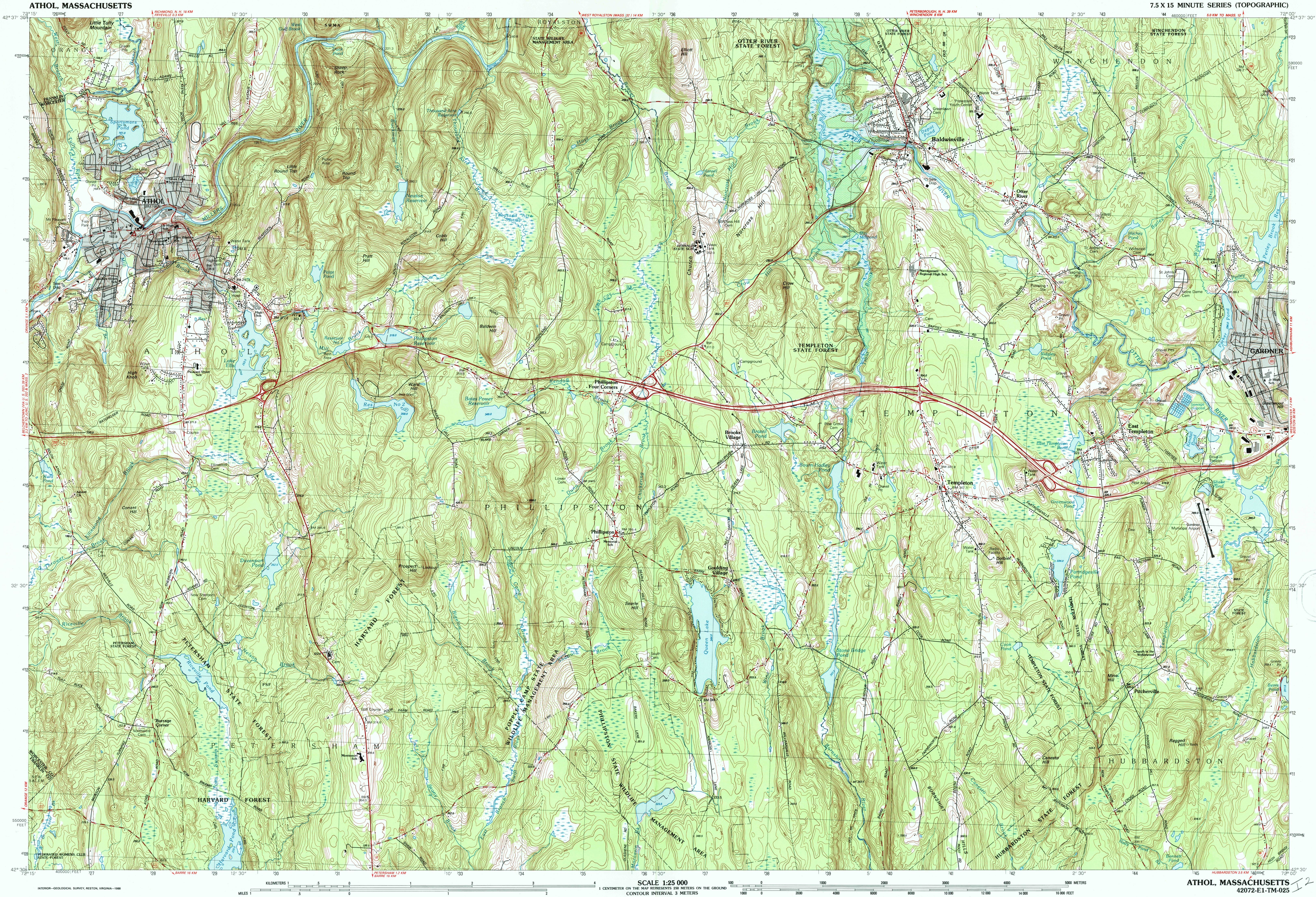
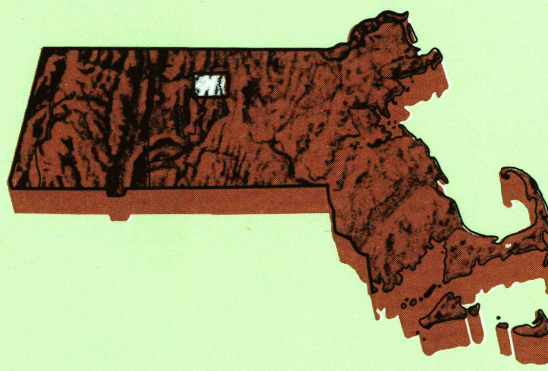




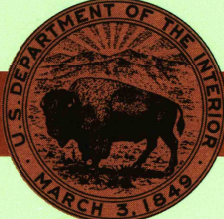
Athol MASSACHUSETTS

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 east 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			1	2	3		
1	3.2808		15° 15' W 37.5 MILS	4	5			
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		UTM grid convergence (GN) and 1988 magnetic declination (MN) at center of map Diagram is approximate		1 Northfield	2 Winchendon	3 Ashburnham	4 Orange	
To convert feet to meters multiply by 0.3048				5 Fitchburg	6 Shutesbury	7 Barre	8 Sterling	

ISBN 0-607-23477-0
9 780607 234770

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
Rapid, large and small; falls, large and small
Swamp; marsh
Submerged marsh; land subject to controlled inundation
Woodland; scattered trees
Scribbles; mangrove
Orchard; vineyard

A pamphlet describing topographic maps is available on request

ATHOL, MASSACHUSETTS
42072-E1-TM-025

1988