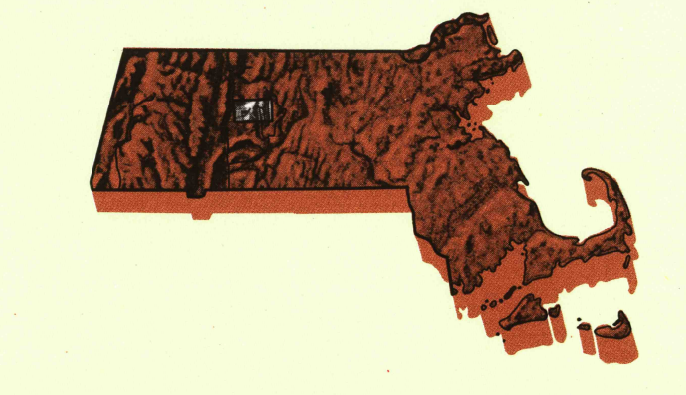


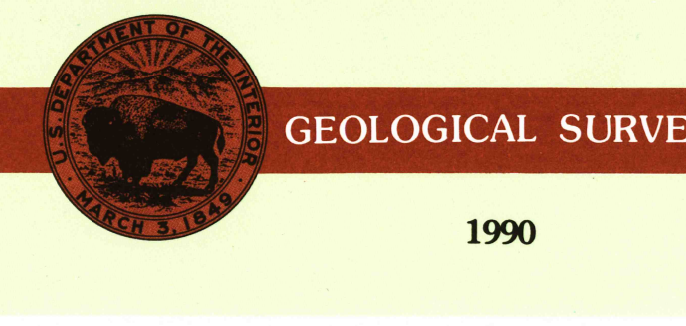


Shutesbury MASSACHUSETTS

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
Control by USGS, NOS/NOAA, and Commonwealth of Massachusetts agencies
Compiled by photogrammetric methods from aerial photographs taken 1981. Field checked 1983. Map edited 1990
Supersedes Shutesbury 1964 and Quabbin Reservoir 1967 1:25 000-scale maps
Projection and 1000-meter grid: Universal Mercator, zone 18
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 the map

CONTOUR INTERVAL 3 METERS
NATIONAL GEODETIC 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

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS			
Meters	Feet	1°	2°	1	2	3	4
1	3.2808			1	Greenfield	1	Greenfield
2	6.5616			2	Orange	2	Orange
3	9.8424			3	Adelphi	3	Adelphi
4	13.1232			4	Williamsburg	4	Williamsburg
5	16.4040			5	Barre	5	Barre
6	19.6848			6	Easthampton	6	Easthampton
7	22.9656			7	Winchester	7	Winchester
8	26.2464			8	North Brookfield	8	North Brookfield
9	29.5272						
10	32.8080						

To convert meters to feet multiply by 3.2808
To convert feet to meters multiply by 0.3048

UTM grid convergence (GN) and 1990 magnetic declination (MD) at center of map
Diagram is approximate

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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 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; 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
Wellhead; water well; spring
Mine shaft; prospect; adit or cave
Control: horizontal station; vertical station; spot elevation
Contour: index; intermediate; supplementary; depression
Distorted surface: strip mine, lava, sand
Sounding; depth curve
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
Sorb; mangrove
Orchard; vineyard

A pamphlet describing topographic maps is available on request

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