



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

GEOLOGICAL SURVEY

1990

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 bases 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

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS			
Meters	Feet			1	2	3	
1	3.2808			1	Greenfield		
2	6.5617			2	Orange		
3	9.8425			3	Athol		
4	13.1234			4	Williamstown		
5	16.4042			5	Barre		
6	19.6850			6	Easthampton		
7	22.9659			7	Windsor Dam		
8	26.2467			8	North Brookfield		
9	29.5275						
10	32.8084						

To convert meters to feet: multiply by 3.2808
To convert feet to meters: multiply by 0.3048
UTM grid convergence (GTM 1983 magnetic declination (MM) at center of map. Diagram is approximate

USGS NMD HISTORICAL SALES BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AUG 27 1990
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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	.....	.....
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; 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	.....	.....
Contours: index; intermediate; supplementary; depression	.....	.....
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	.....	.....
Scrub; mangrove	.....	.....
Orchard; vineyard	.....	.....

A pamphlet describing topographic maps is available on request