

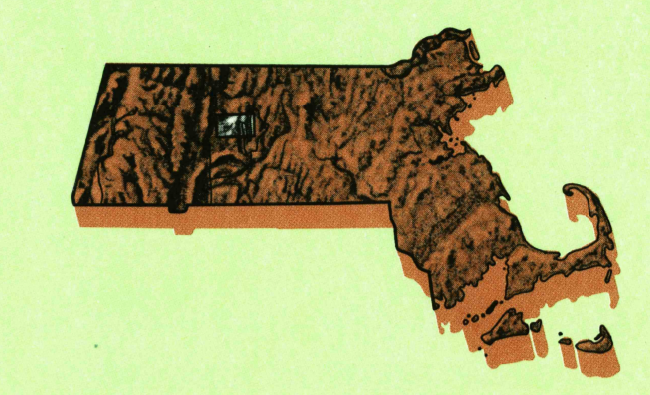
SHUTESBURY, MASSACHUSETTS

7.5 X 15 MINUTE SERIES (TOPOGRAPHIC)



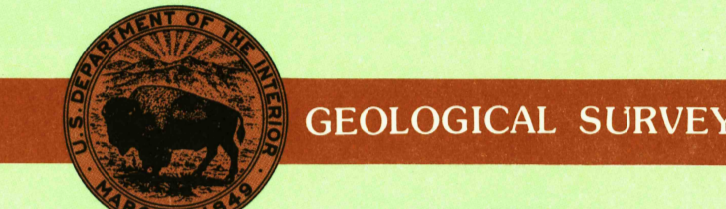
Shutesbury MASSACHUSETTS

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 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	15'	15'	1	2	3
1	3.2808			1	2	3
2	6.5617			4	5	
3	9.8425			6	7	
4	13.1234			8	9	
5	16.4042			10		
6	19.6850					
7	22.9659					
8	26.2467					
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 (at 1990 magnetic declination (MM) at center of map. Diagram is approximate)

1 Greenfield
 2 Orange
 3 Ashutash
 4 Williamsburg
 5 Barre
 6 Lanthamton
 7 Winsor Dam
 8 North Brookfield

USGS NMD HISTORICAL DATA BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AUG 27 1990

REC'D FILE COPY 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	
Bridges: 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; land 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	
Winchill; water well; spring	
Mine shaft; prospect; adit or cave	
Control: horizontal station; vertical station; spot elevation	
Contours: index; intermediate; supplementary; depression	
Sounding: depth curve	
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	
Scrub; mangrove	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request