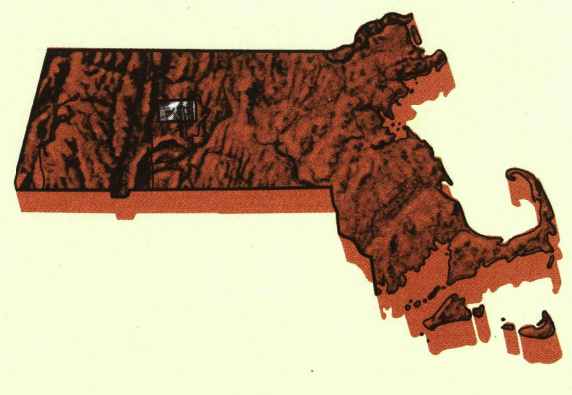


SHUTESBURY, MASSACHUSETTS

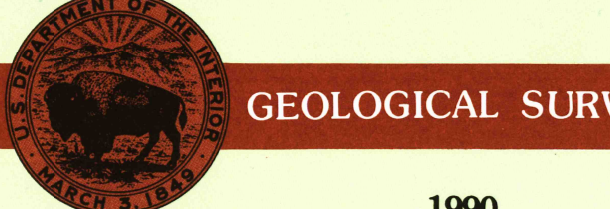
7.5 X 15 MINUTE SERIES (TOPOGRAPHIC)

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



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 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 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	1983	1984	1	2	3
1	3.2808	1	1	1	2	3
2	6.5616	2	2	4	5	
3	9.8424	3	3	6	7	8
4	13.1232	4	4			
5	16.4040	5	5			
6	19.6848	6	6			
7	22.9656	7	7			
8	26.2464	8	8			
9	29.5272	9	9			
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 (MN) at center of map (Diagram is approximate)

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

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9 780607 234873

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
- Rail-up area: only selected landmark buildings shown
- Houses: 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 area
 - Land grant with monument; found section corner
 - U. S. public lands survey: range, township, section
 - Range, township; section line; location approximate
 - Face of 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; edit 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
- Sand; mangrove
- Orchard; vineyard

A pamphlet describing topographic maps is available on request

