



Bernardston

MASSACHUSETTS-VERMONT

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 1984. Map edited 1990
Supersedes Bernardston and Colrain 1:25,000-scale maps dated 1977
This area also covered by 7.5 minute, 1:24,000-scale maps: Bernardston and Colrain dated 1977
Projection and 1000-meter grid, zone 18
Universal Transverse Mercator
10,000-foot grid ticks based on Massachusetts coordinate system, mainland zone, and Vermont coordinate system
1927 North American Datum
To place on the predicted North American datum 1983, move the projection lines 5 meters south and 38 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 6 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
CONTROL ELEVATIONS SHOWN TO THE NEAREST 0.1 METER
OTHER ELEVATIONS SHOWN TO THE NEAREST METER
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS		
Meters	Feet		1	2	3
1	3.2808		4	5	
2	6.5615				
3	9.8423				
4	13.1234				
5	16.4042				
6	19.6850				
7	22.9658				
8	26.2467				
9	29.5276				
10	32.8084				
To convert meters to feet multiply by 3.2808		UTM grid convergence (GN) and 1990 magnetic declination (MD) at center of map Diagram is approximate	1	2	3
To convert feet to meters multiply by 0.3048			4	5	6

USGS NHD HISTORICAL MAP ARCHIVES

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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	
Road marker: interstate; U. S. State	
Railroad: standard gage; narrow gage	
Bridge; drawbridge	
Footbridge; overpass; underpass	
Built-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 park	
Land grant with monument; federal water center	
U. S. public lands survey: range, township, section	
Range, township; section line; location approximate	
Fence or field line	
Power transmission line, located tower	
Dike; dam with lock	
Cemetery; grave	
Campground; picnic area; U. S. location monument	
Widened; water wall; spring	
Mine shaft; prospect; adit or cave	
Corral: horizontal station; vertical station; spot elevation	
Contours: 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	
Sewage; marsh	
Submerged marsh; land subject to controlled inundation	
Woodland; scattered trees	
Scrub; mangrove	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request

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