

HOLYOKE, MASSACHUSETTS-CONNECTICUT

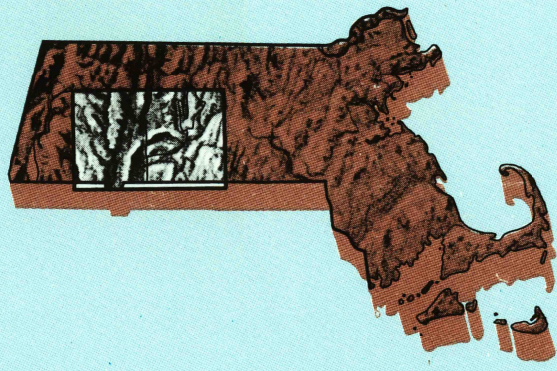
30 X 60 MINUTE SERIES (TOPOGRAPHIC)

Holyoke

MASSACHUSETTS

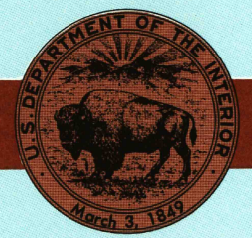
CONNECTICUT

1:100 000-scale metric  
topographic map



30 X 60 MINUTE QUADRANGLE  
SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names

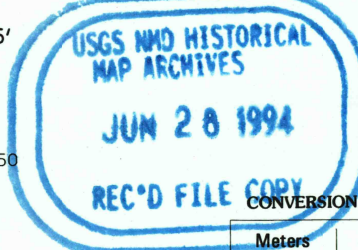


GEOLOGICAL SURVEY

1985  
PHOTOINSPECTED 1989

Produced by the United States Geological Survey  
Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1967-1982. Planimetry revised from aerial photographs taken 1982-83 and other source data. Revised information not field checked. Map edited 1985  
1927 North American Datum (NAD 27). Projection and 10 000-meter grid: Universal Transverse Mercator, zone 18  
25 000-foot ticks: Massachusetts coordinate system, mainland zone, and Connecticut coordinate system  
The difference between NAD 27 and North American Datum of 1983 (NAD 83) is too small to show at this scale. The values of the shift between the datums for 7.5-minute intersections are given in USGS Bulletin 1875  
There may be private inholdings within the boundaries of the National or State reservations shown on this map  
Map photoinspected using 1988-89 photographs  
No major culture or drainage changes found  
CONTOUR INTERVAL 10 METERS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLETES WITH NATIONAL MAP ACCURACY STANDARDS



CONVERSION TABLE	
Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1234
5	16.4042
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

DECLINATION DIAGRAM

Magnetic North (M) is 14.5° East of True North (N).

Scale: 258 MILS, 30 MILES

UTM grid convergence (M) and UTM magnetic declination (MN) at center of map Diagram is approximate

ADJOINING MAPS			
1	2	3	
6	7	8	

- 1 Albany
- 2 Keene
- 3 Lowell
- 4 Fitchburg
- 5 Boston
- 6 Warehous
- 7 Hartford
- 8 Providence

FOR SALE BY U.S. GEOLOGICAL SURVEY  
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

Topographic Map Symbols

Primary highway, hard surface	
Secondary highway, hard surface	
Light duty road, principal street, hard or improved surface	
Other road or street, trail	
Route marker: Interstate, U. S. State	
Railroad: standard gage, narrow gage	
Bridge, overpass, underpass	
Tunnel: road, railroad	
Built up area, locality, elevation	
Airport: landing field, landing strip	
National boundary	
State boundary	
County boundary	
National or State reservation boundary	
Land grant boundary	
U. S. public lands survey: range, township, section	
Range, township, section line, protected	
Power transmission line, pipeline	
Dam: dam with lock	
Cemetery: building	
Windmill; water well; spring	
Mine shaft; adit or cave; mine, quarry; gravel pit	
Campground; picnic area; U. S. location monument	
Ruin; old building	
Distorted surface: strip mine, lava, sand	
Contours: index; intermediate; supplementary	
Bathymetric contours: index; intermediate	
Stream, lake: perennial; intermittent	
Rapids, large and small; falls, large and small	
Area to be submerged: marsh, swamp	
Land subject to controlled inundation, woodland	
Scrub; mangrove	
Orchard; vineyard	

A pamphlet describing topographic maps is available on request