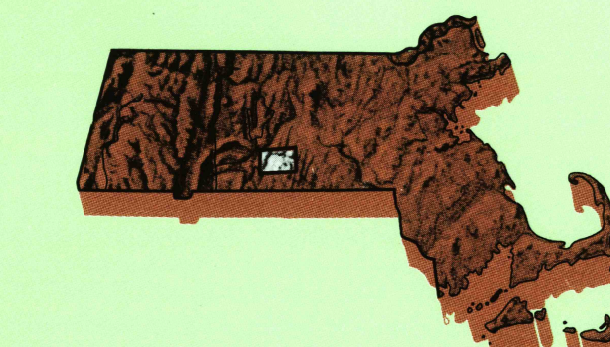


Warren

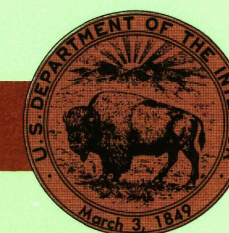
MASSACHUSETTS

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

1982

Produced by the United States Geological Survey
in cooperation with Massachusetts Department
of Public Works
Control by USGS, NOS/NOAA, and Massachusetts Geodetic Survey
Compiled by photogrammetric methods from aerial photographs
taken 1980. Field checked 1981. Map edited 1982
Supersedes Warren and East Brookfield 1:25,000-scale
maps dated 1969

Projection and 1000-meter grid, zone 19: Universal
Transverse Mercator
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 6 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 1 METER
OTHER ELEVATIONS SHOWN TO THE NEAREST 3 METERS

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

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

| CONVERSION TABLE | | DECLINATION DIAGRAM | | ADJOINING MAPS | | |
|---|---------|---------------------|--|----------------|----|----|
| Meters | Feet | | | 1 | 2 | 3 |
| 1 | 3.2808 | | | 4 | 5 | 6 |
| 2 | 6.5617 | | | 7 | 8 | 9 |
| 3 | 9.8425 | | | 10 | 11 | 12 |
| 4 | 13.1234 | | | 13 | 14 | 15 |
| 5 | 16.4042 | | | 16 | 17 | 18 |
| 6 | 19.6850 | | | 19 | 20 | 21 |
| 7 | 22.9659 | | | 22 | 23 | 24 |
| 8 | 26.2467 | | | 25 | 26 | 27 |
| 9 | 29.5275 | | | 28 | 29 | 30 |
| 10 | 32.8084 | | | 31 | 32 | 33 |
| To convert meters to feet multiply by 3.2808 | | | | 34 | 35 | 36 |
| To convert feet to meters multiply by 0.3048 | | | | 37 | 38 | 39 |



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; land section corner | ..... |
| U. S. public lands survey; range, township, section | ..... |
| Range, township; section line; location approximate | ..... |
| Fence or field line | ..... |
| Power transmission line; isolated tower | ..... |
| Dam; dam with lock | ..... |
| Cemetery; grave | ..... |
| Campground; picnic area; U. S. location monument | ..... |
| Wellhead; water well; spring | ..... |
| Mine shaft; prospect; shaft or cave | ..... |
| Control: horizontal station; vertical station; spot elevation | ..... |
| Contours: index; intermediate; supplementary; depression | ..... |
| Distorted surface: strip mine; lava; sand | ..... |
| Bathymetric contours: index; intermediate | ..... |
| Perennial lake and stream; intermittent lake and stream | ..... |
| Rapids, large and small; falls, large and small | ..... |
| Submerged marsh; marsh, seasonally | ..... |
| Land subject to controlled inundation; woodland | ..... |
| Scrub; mangrove | ..... |
| Orchard; vineyard | ..... |

A pamphlet describing topographic maps is available on request

WARREN, MASS.
42072-B1-TM-025

1982