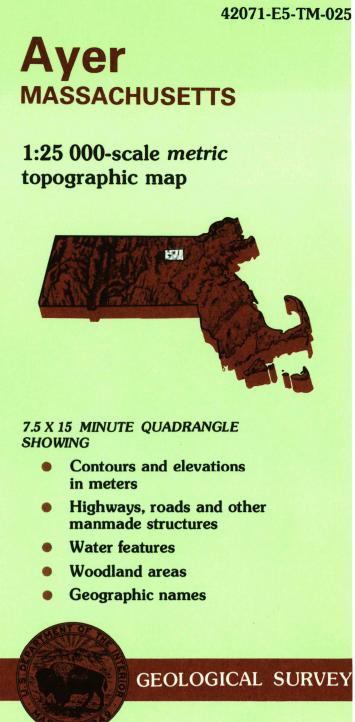


12 000 14 000 16 000 FEET



1988

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 1980-1981. Field checked 1981. Map edited 1988 Supersedes Shirley 1965 and Ayer 1966 1:25,000-scale maps

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 40 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

DECLINATION DIAGRAM ADJOINING MAPS 1 2 3 6 7 8 1 Ashburnhan 2 Townsend 3 Lowell 4 Fitchburg 5 Billerica 6 Sterling 7 Hudson 8 Maynard To convert meters to feet multiply by 3.2808 To convert feet to meters multiply by 0.3048 UTM grid convergence (GN) and 1988 magneti declination (MN) at center of map Diagram is approximat

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Built-up area: only selected landmark buildings shown

Land grant with monument; found section corner U. S. public lands survey: range, township; section . Range, township; section line: location approximate.

Control: horizontal station; vertical station; spot elevation Contours: index; intermediate; supplementary; depression Perennial lake and stream; intermittent lake and stream . Submerged marsh; land subject to controlled inundation .



A pamphlet describing topographic maps is available on request