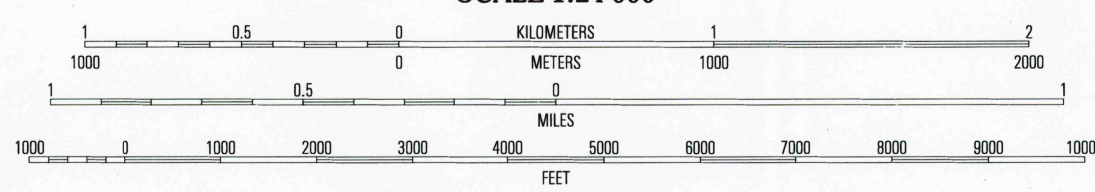
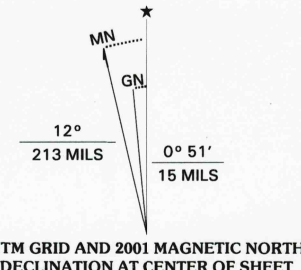


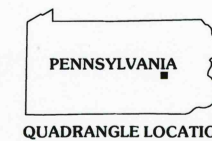
RECEIVED  
OCT 3 1 2001  
HISTORICAL MAP ARCHIVES

Produced by the United States Geological Survey in cooperation with Pennsylvania Department of Conservation and Natural Resources, Bureau of Topographic and Geologic Survey  
Topography compiled 1999. Planimetry derived from imagery taken 1999 and other sources. Survey control current as of 1944  
Boundaries current as of 2001  
North American Datum of 1983 (NAD 83). Projection and 1 000-meter grid: Universal Transverse Mercator, zone 18  
2 500-meter ticks: Pennsylvania Coordinate System of 1983 (south zone)  
North American Datum of 1927 (NAD 27) is shown by dashed corner ticks. The values of the shift between NAD 83 and NAD 27 for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software  
There may be private inholdings within the boundaries of the National or State reservations shown on this map  
Houses of worship, schools, and other labeled buildings verified 1944



CONTOUR INTERVAL 20 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
(TO CONVERT ELEVATIONS TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, SUBTRACT 1 FOOT)  
TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, P.O. BOX 25286, DENVER, COLORADO 80225  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



1	2	3
4	5	6
7	8	

1 Mount Carmel  
2 Ashland  
3 Shenandoah  
4 Tremont  
5 Pottsville  
6 Pine Grove  
7 Souderton Hill  
8 Friedensburg

ROAD CLASSIFICATION  
Primary highway hard surface .....  
Secondary highway hard surface .....  
Interstate Route .....  
U.S. Route .....  
State Route .....  
Light-duty road, hard or improved surface .....  
Unimproved road .....  
Interstate Route .....  
U.S. Route .....  
State Route .....

MINERSVILLE, PA  
1999

NIMA 5765 III NE-SERIES V831

