



Produced by the United States Geological Survey in cooperation with the Pennsylvania Department of Conservation and Natural Resources, Bureau of Topographic and Geologic Survey

Topography compiled 1951. Planimetry derived from imagery taken 1976 and other sources. Photoinspected using imagery dated 1997; no major culture or drainage changes observed. Survey control current as of 1956. Boundaries, other than corporate, revised 1998

North American Datum of 1927 (NAD 27). Projection and 10 000-foot ticks: Pennsylvania coordinate system, south zone (Lambert conformal conic)

1000-meter Universal Transverse Mercator grid, zone 18

North American Datum of 1983 (NAD 83) is shown by dashed corner ticks. The values of the shift between NAD 27 and NAD 83 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

Information shown in purple may not meet USGS content standards and may conflict with previously mapped contours

SCALE 1:24 000

UTM GRID AND 1998 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

CONTOUR INTERVAL 20 FEET NATIONAL GEODETIC VERTICAL DATUM OF 1929 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

ROAD CLASSIFICATION

- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, hard or improved surface
- Unimproved road

Interstate Route U.S. Route State Route

QUADRANGLE LOCATION

1	2	3	1 Delano
4	5	6	2 Tamaqua
7	8	9	3 Nesquehoning
			4 Orwigsburg
			5 New Tripoli
			6 Auburn
			7 Hamburg
			8 Kutztown

ADJOINING 7.5 QUADRANGLE NAMES

NEW RINGGOLD, PA 1997

NIMA 5865 III N-SERIES V831

RECEIVED DEC 3 1 1998

USGS MAP ARCHIVES HISTORICAL MAP ARCHIVES

1:2498 109081 6