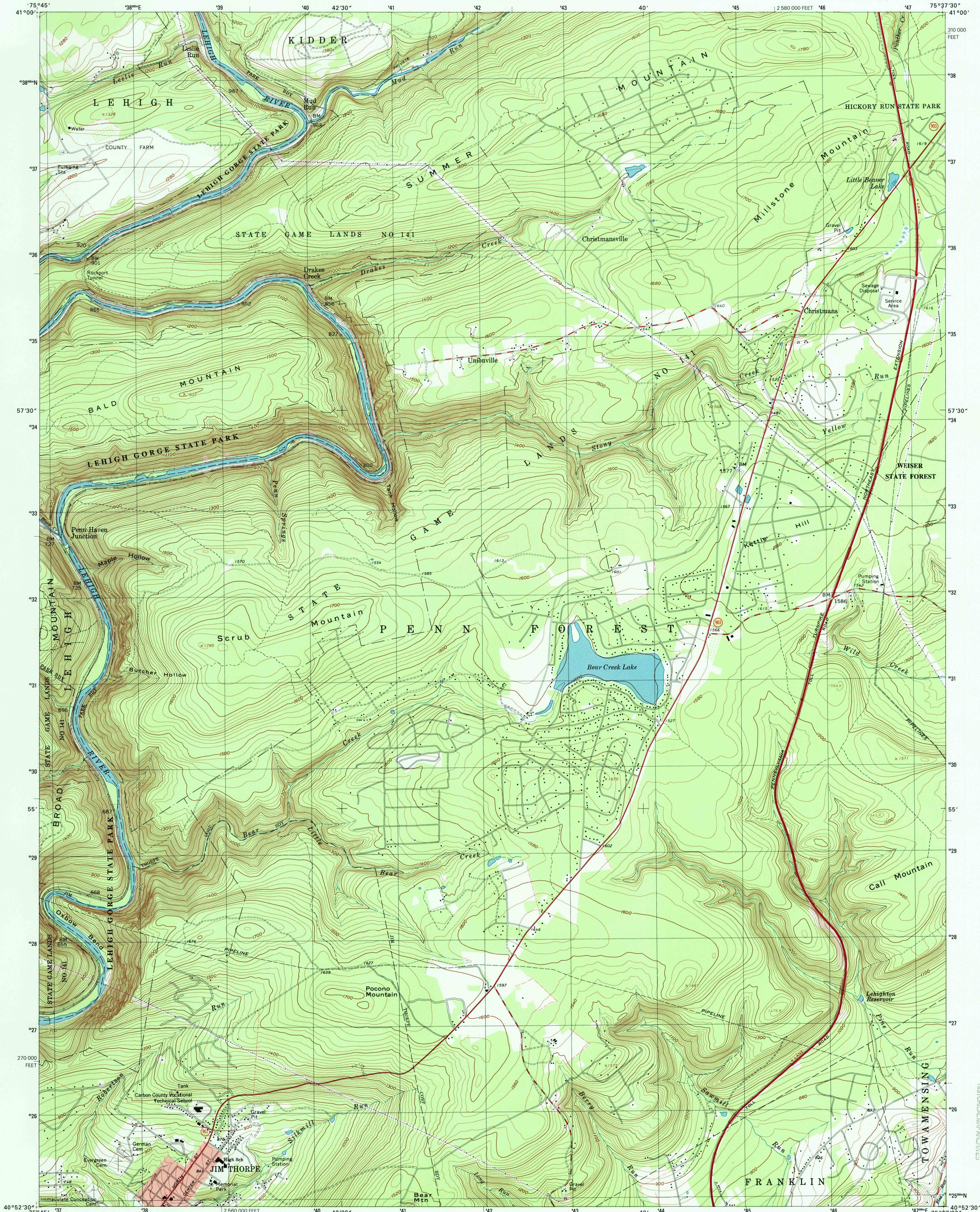




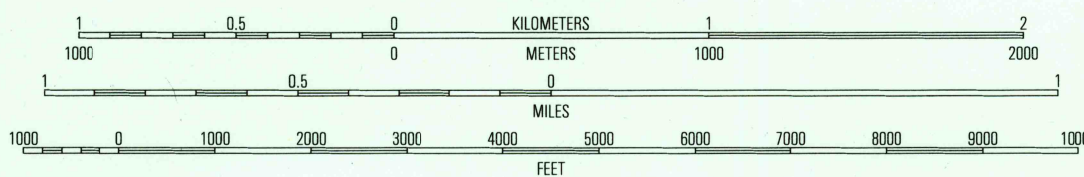
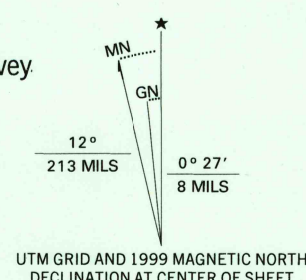
Produced by the United States Geological Survey  
in cooperation with Pennsylvania Department of Conservation  
and Natural Resources, Bureau of Topographic and Geologic Survey

Topography compiled 1951. Planimetry derived from imagery taken  
1988 and other sources. Photoinspected using imagery dated 1997;  
no major culture or drainage changes observed. Survey control  
current as of 1960. Boundaries, other than corporate, revised 1999

North American Datum of 1927 (NAD 27). Projection and  
10 000-foot ticks: Pennsylvania coordinate system, north zone  
(Lambert conformal conic)  
1000-meter Universal Transverse Mercator grid, zone 18

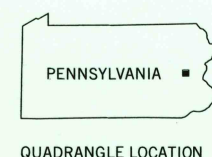
North American Datum of 1983 (NAD 83) is shown by dashed  
corner ticks. The values of the shift between NAD 27 and NAD 83  
for 7.5-minute intersections are obtainable from National Geodetic  
Survey NADCON software

There may be private inholdings within the boundaries of  
the National or State reservations shown on this map



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



|   |   |   |                     |
|---|---|---|---------------------|
| 1 | 2 | 3 | 1 White Haven       |
| 4 | 5 | 6 | 2 Hickory Run       |
| 6 | 7 | 8 | 3 Blakeslee         |
|   |   |   | 4 Weather           |
|   |   |   | 5 Pohopoco Mountain |
|   |   |   | 6 Nesquehoning      |
|   |   |   | 7 Lehigh            |
|   |   |   | 8 Palmerton         |

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

CHRISTMANS, PA  
1997

NIMA 5865 1 NW-SERIES V831

RECEIVED  
OCT 31 1999  
USGS WMD  
HISTORICAL MAP ARCHIVES

