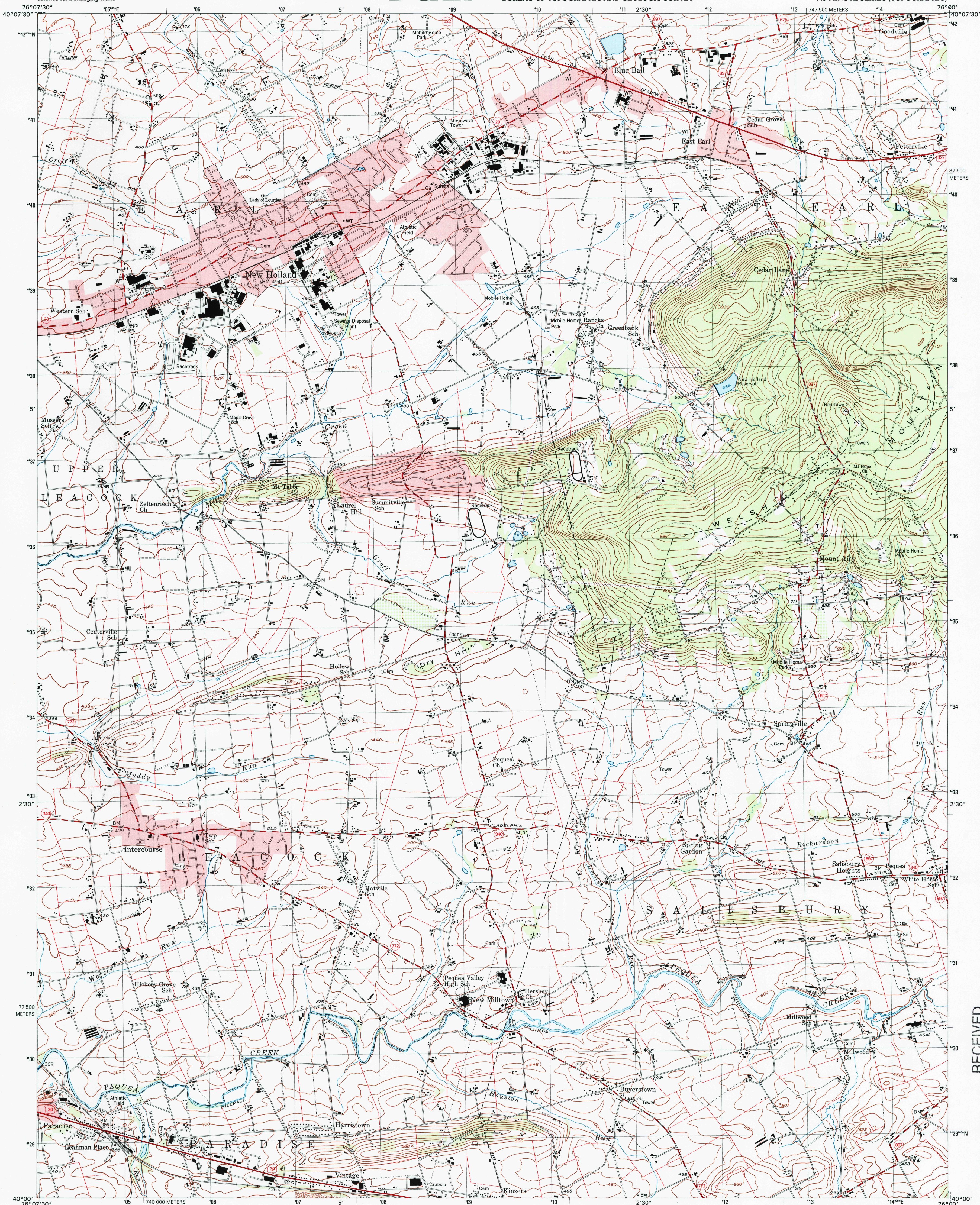




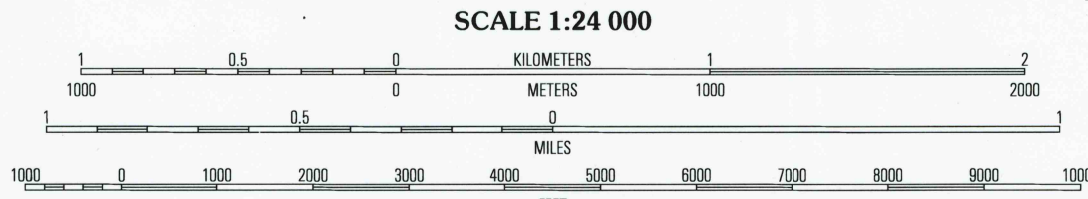
RECEIVED

SEP 30 2001

USGS (NWJ)
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 from imagery dated 1951. Planimetry derived
from imagery taken 1959 and other sources. Survey control
current as of 1956
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

11 1/2°
204 MILES
0° 41'
12 MILES
UTM GRID AND 2001 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
Unimproved road
Light-duty road, hard or
improved surface
Interstate Route
U.S. Route
State Route

QUADRANGLE LOCATION



1 Ephrata
2 Tiers Hill
3 Morgantown
4 Leola
5 Honey Brook
6 Quarryville
7 Gap
8 Parkersburg

NEW HOLLAND, PA
1999

NIMA 5764 II SE-SERIES V831

ISBN 0-607-96257-9
9 780607 962579