UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL SURVEY

STATE OF WEST VIRGINIA
REPRESENTED BY THE
STATE OF WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
AND OTHER STATE AGENCIES

EAST LIVERPOOL NORTH QUADRANGLE
OHIO—PENNSYLVANIA—WEST VIRGINIA
7.5 MINUTE SERIES (TOPOGRAPHIC)

4865 I SW (ELKTON) · 4865 I SE (EAST PALESTINE) · 4865 IV SW (NEW GALILEE)

80°37′30″ 32′30″E · 1 210 000 FEET (PA.) · 35′ · R.1W. · 35 · 36 · 32′30″ · 38 · 39 · 40 · 2 550 000 FEET (OHIO) · 1 720 000 FEET (W. VA.) · 80°30′

40°45′ · 45°10′000″N · 45°09 · T. 7 N · 520 000 FEET (PA.) · T. 6 N. · 45°07 · 42′30″ · 45°06 · 45°05 · 45°03 · 45°02 · 40′ · 45°01 · 45°00 · 44°99 · T. 6 N. · 360 000 FEET (OHIO) · T. 5 N. · 780 000 FEET (W. VA.) · 44°98 · 40°37′30″

400 000 FEET (OHIO) · 810 000 FEET (W. VA.) · 42′30″ · 490 000 FEET (PA.) · 44°98′000″N

4865 II NW (WEST POINT) · 4965 III NW (MIDLAND)

80°37′30″ 32′ 1 690 000 FEET (W. VA.) 2 530 000 FEET (OHIO) 35′ R.1W. (EAST LIVERPOOL SOUTH) 4865 II SE 38 32′30″ 39 1 230 000 FEET (PA.) 41 42′000″E 80°30′

(WELLSVILLE) 4865 II SW · (HOOKSTOWN) 4965 III SW

INTERIOR–GEOLOGICAL SURVEY, RESTON, VIRGINIA–1998

USGS WRD HISTORICAL MAP ARCHIVES
MAY 31 1998
REC'D FILE COPY

Produced by the United States Geological Survey

Topography compiled 1956. Planimetry derived from imagery taken 1982. Photoinspected using imagery dated 1994; no major culture or drainage changes observed. Survey control current as of 1960
Boundaries, other than corporate, revised 1997
North American Datum of 1927 (NAD 27). Projection and 10 000-foot ticks: Ohio coordinate system, north zone (Lambert conformal conic)
10 000-foot ticks: Ohio coordinate system, north zone, Pennsylvania coordinate system, south zone, and West Virginia coordinate system, north zone
1000-meter Universal Transverse Mercator grid, zone 17
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
The Ohio-W. Va. boundary as shown represents the approximate position of the low water line as determined from U. S. Corps of Engineers Ohio River Charts, surveyed 1913, and supplementary information
Area north of Geographers Line lies within Congress Lands north of the Old Seven Ranges. Area south of Geographers Line lies within the Old Seven Ranges. Land lines based on the Ohio River Base
There may be private inholdings within the boundaries of the National or State reservations shown on this map

MN · GN · 8½° · 151 MILS · 0°17′ · 5 MILS
UTM GRID AND 1997 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Information shown in purple may not meet USGS content standards and may conflict with previously mapped contours
Purple hatching indicates area to be submerged

SCALE 1:24 000
1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 1 KILOMETER

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

OHIO
QUADRANGLE LOCATION

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

EAST LIVERPOOL NORTH, OH–PA–WV
1994
NIMA 4865 II NE–SERIES V852

ISBN 0-607-87393-0
9 780607 873931