



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

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

EAST LIVERPOOL NORTH QUADRANGLE
OHIO-PENNSYLVANIA-WEST VIRGINIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 WELLSVILLE 15' QUADRANGLE

Maped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography by photogrammetric methods from aerial
photographs taken 1956. Field checked 1960
Polyconic projection. 1927 North American datum
10,000-foot grids based on Ohio coordinate system, north zone,
Pennsylvania coordinate system, south zone, and West Virginia
coordinate system, north zone. 1000-meter Universal Transverse
Mercator grid ticks, zone 17, shown in blue
Fine red dashed lines indicate selected fence and field lines where
generally visible on aerial photographs. This information is unchecked
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
Red tint indicates areas in which only landmark buildings are shown
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

UTM GRID AND 1960 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

41° 45' 00" N
15 MILLS

1 690 000 FEET (W. VA.)
2 530 000 FEET (OHIO)
1 230 000 FEET (PA.)

SCALE 1:24 000

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

USGS
Historical File
Topographic Division

U.S. ROUTE
STATE ROUTE

ROAD CLASSIFICATION
Heavy-duty
Medium-duty
Light-duty
Unimproved dirt

U.S. ROUTE
STATE ROUTE

U.S.G.S.
FILE COPY
TOPOGRAPHIC DIVISION

EAST LIVERPOOL NORTH, OHIO-PA.-W. VA.
NE/4 WELLSVILLE 15' QUADRANGLE
N4037.5-W8030.7/5

1960
AMS 4865 II NE-SERIES V852

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JAN 28 1969