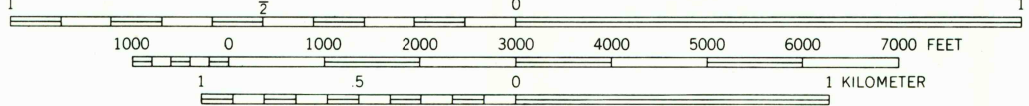
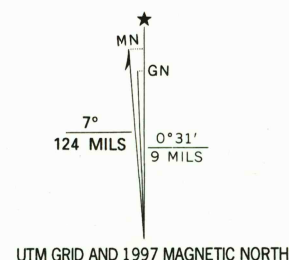


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

PORTLAND QUADRANGLE  
OHIO—WEST VIRGINIA  
7.5 MINUTE SERIES (TOPOGRAPHIC)



Produced by the United States Geological Survey  
Topography compiled 1957. Planimetry derived from imagery taken 1971 and 1975. Photomaps used in 1954; no major culture or drainage changes observed. Survey control current as of 1960. Boundaries revised 1996.  
North American Datum of 1927 (NAD 27)  
Projection: Ohio coordinate system, south zone (Lambert conformal conic)  
10 000-foot ticks: Ohio coordinate system, south zone and West Virginia coordinate system, south 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 state line 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. There may be private inholdings within the boundaries of the National or State reservations shown on this map.  
Land lines based on the Ohio River Base. Dotted land lines established by private subdivision of the Ohio Company Purchase. Information shown in purple may not meet USGS content standards and may conflict with previously mapped contours.



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

PORTLAND, OHIO—W. VA.

1994

NIMA 4662 III SE—SERIES V852

