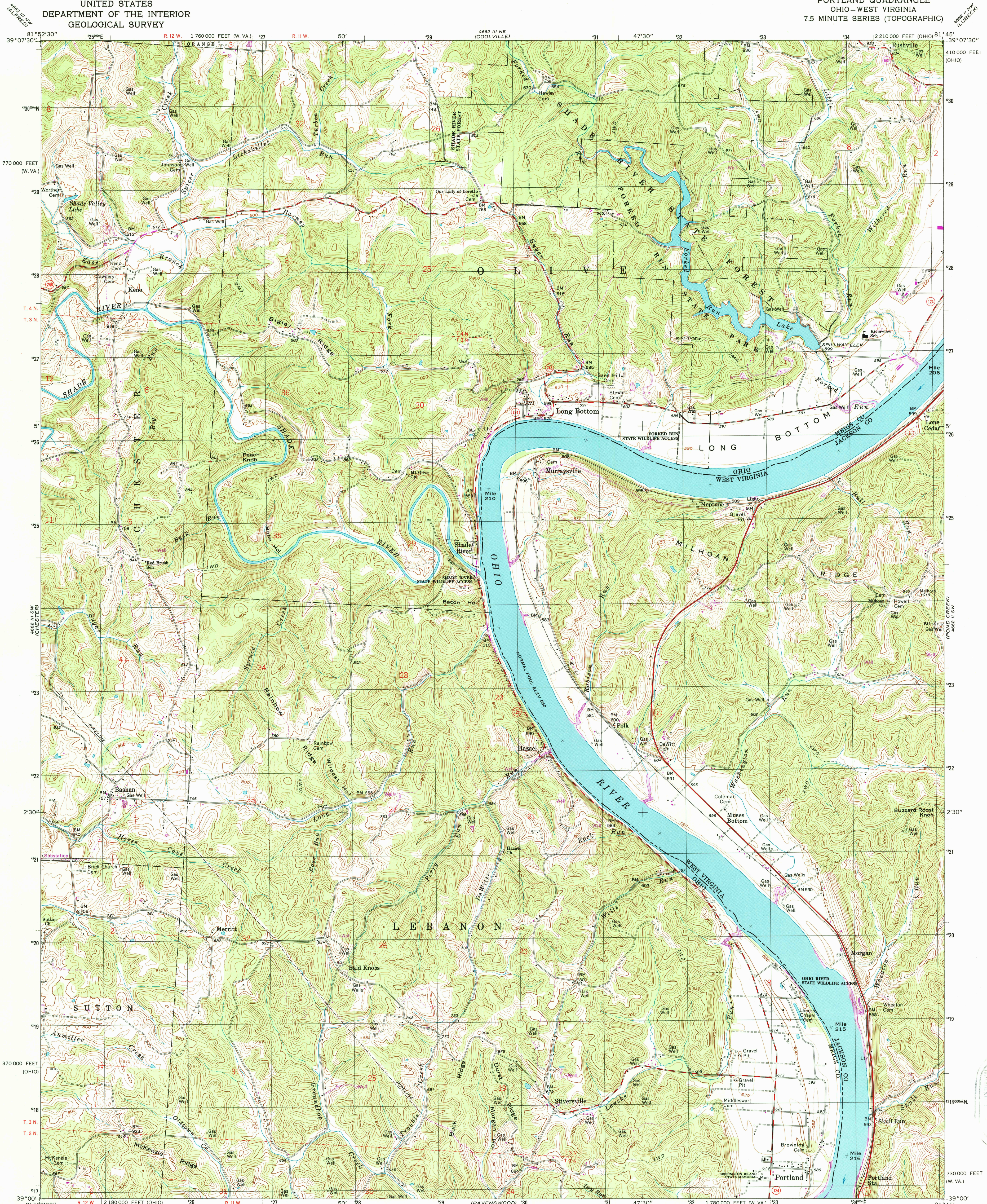
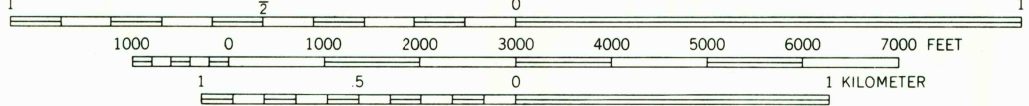
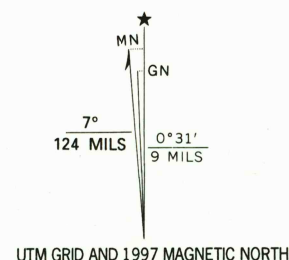


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 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.



CONTOUR INTERVAL 20 FEET
DOTTED LINES REPRESENT 10-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048



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

