



EXPLANATION

— Alluviated area
Showing subcrop of selected beds in Upper Pennsylvanian Linton Formation and Middle Pennsylvanian Carbonate Formation
D. *Proterozoic Limestone Member at base of Linton Formation, 85-90 feet above No. 9 coal bed*
E. *No. 9 coal bed, in Carbonate Formation*
The alluviated valleys are filled with as much as 145 feet of unconsolidated material. Lithology of Pennsylvanian rocks described by Johnson (in press)

— Non-alluviated area
From map by Johnson (in press)

— Topographic contours on buried bedrock surface
Datum is mean sea level. Contours above 200 feet not shown. Contour interval 30 feet

— Ancient stream course

246 239

Drill hole from which data used in map compilation were obtained. Subsurface data from logs of core holes, U.S. Corps of Engineers (1966), sugar holes, and oil and gas tests. Figure indicates bedrock altitude in feet above mean sea level, italicized where highly interpretive (includes most rotary-drilled oil and gas test wells)

REFERENCES CITED

Cable, L. W. and Wolf, R. J., 1967, Ground-water resources of Vanderburgh County, Indiana: Indiana Dept. of Natural Resources, Div. of Water. Open file report pending publication as Bull. 38.

Gallagher, J. T., 1963, Geology and hydrology of alluvial deposits along the Ohio River in the Spottsville and Red areas, Kentucky: U.S. Geol. Survey Hydrol. Inv. Atlas 84.

Johnson, W. D., Jr., Geologic map of parts of the Newburgh and Yankeetown quadrangles, Henderson and Daviess Counties, Kentucky: U.S. Geol. Survey Geol. Quad. Map GQ 1045 (in press).

U.S. Corps of Engineers Ohio River Charts, Newburgh Pool Reach, sheet 1, 1966.

Base from U.S. Geological Survey, 1964
The Carter Coordinate System letters and numbers used to designate five-minute divisions of latitude and longitude are shown along the margins; tick marks indicate one-minute divisions

SCALE 1:24 000



U.S. GOVERNMENT PRINTING OFFICE: 1974-543-586/1-47605
Compilation based on drill-hole data available as of Nov. 1, 1971, on data from Cable and Wolf (1967) and Gallagher (1963), and in part on projection into subsurface of geologic data shown by Johnson (in press)

MAP SHOWING BEDROCK TOPOGRAPHY AND SUBCROP OF SELECTED BEDS BENEATH ALLUVIAL DEPOSITS OF PARTS OF THE NEWBURGH AND YANKEETOWN QUADRANGLES, HENDERSON AND DAVIESS COUNTIES, KENTUCKY

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1973