



Base from U.S. Geological Survey, 1957
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

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1973—37817
Compilation based on drill hole data available as of Nov. 1, 1972, on data from Harvey (1956), and Gallaher (1964), on seismic data supplied by Indiana Geological Survey, and in part on projection into the subsurface of geologic data shown by Johnson (1971)

EXPLANATION

- Alluviated area
Showing subcrop of Providence Limestone Member at base of Lisman Formation (Upper Pennsylvanian)
The alluviated valleys are filled with as much as 135 feet of unconsolidated material. Alluvium and Pennsylvanian rocks described by Johnson (1971)
- Non-alluviated area
From map by Johnson (1971)
- Topographic contours on buried bedrock surface
Datum is mean sea level. Contours above 360 feet not shown. Contour interval, 20 feet. Interpretation based in part on work by Cable and Wolf (1967)

- Ancient stream course
Major streams and tributaries
- Approximate area where the Providence Limestone has been channeled out by Late Pennsylvanian erosion, channel filled largely by sandstone

- Seismic shot point. Seismic determinations furnished by Geophysics Section, Indiana Geological Survey, and used in map compilation. Figure indicates bedrock altitude in feet above mean sea level

- 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.
 - Gallaher, J. T., 1964, Geology and hydrology of alluvial deposits along the Ohio River in the Henderson area, Kentucky: U.S. Geol. Survey Hydrol. Inv. Atlas HA-91.
 - Harvey, E. J., 1956, Geology and ground-water resources of the Henderson area, Kentucky: U.S. Geol. Survey Water-Supply Paper 1536, 227 p.
 - Johnson, W. D., Jr., 1971, Geologic map of part of the Evansville South Quadrangle, Henderson County, Kentucky: U.S. Geol. Survey Geol. Quad. Map GQ-1089. (In press).

MAP SHOWING BEDROCK TOPOGRAPHY AND SUBCROP OF A SELECTED BED BENEATH ALLUVIAL DEPOSITS
OF PART OF THE EVANSVILLE SOUTH QUADRANGLE, HENDERSON COUNTY, KENTUCKY

By
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