

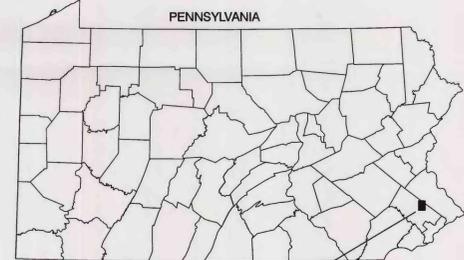
**EXPLANATION**

Study area includes Lansdale, Pa., and vicinity. The study area is underlain by Mesozoic sedimentary rocks of the Brunswick Group and the Lockatong Formation (Longwill and Wood, 1965; Lytle and Epstein, 1987).

- 300 — POTENTIOMETRIC CONTOUR — Shows altitude of potentiometric surface as defined by measured water levels. Dashed where approximately located. Hachured contour indicates depression in potentiometric surface. Shape and altitude inferred from water levels measured in wells, topography, and elevations of streams. Altitudes of water levels in wells near streams may differ from altitude of water levels of streams because ground-water system is not always well connected to surface-water system. Losing reaches have been identified in some streams. Contour interval 20 feet. National Geodetic Vertical Datum of 1929.
- 288 WATER-LEVEL MEASUREMENT SITES — Symbol gives location of site. Number is altitude of water level, in feet above National Geodetic Vertical Datum of 1929. Water levels may reflect composite of potentiometric heads in wells with multiple yielding zones. Wells ranged from about 70 to 600 feet in depth.
- 274R Altitude of static water level measured in a drilled well completed in bedrock. Date of observation in parenthesis ( ) if measured for a date other than August 22-23, 1996.
- P Altitude of water level measured in a recently pumped well or in a well known to be affected by nearby pumping.
- P Well known to be pumping for public supply or industrial uses during period of water-level measurements.

**REFERENCES CITED**

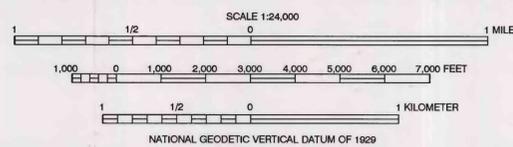
- Longwill, S.M., and Wood, C.R., 1965, Ground-water resources of the Brunswick Formation in Montgomery and Berks Counties, Pennsylvania: Pennsylvania Geological Survey, 4th Series, Bulletin W 22, 59 p.
- Lytle, P.T., and Epstein, J.B., 1987, Geologic map of the Newark 1° X 2° Quadrangle, New Jersey, Pennsylvania, and New York: U.S. Geological Survey Miscellaneous Investigation Series Map I-1715, 2 plates, scale 1:250,000.



LOCATION OF MAPPED AREA



Base from U. S. Geological Survey  
Lansdale, 1:24,000 1985, Contour interval 10 feet  
Telford, 1:24,000 1980, Contour interval 20 feet  
Amble, 1:24,000 1980, Contour interval 10 feet  
Doylestown, 1:24,000 1980, Contour interval 10 feet



**ALTITUDE AND CONFIGURATION OF THE POTENTIOMETRIC SURFACE IN LANSDALE AND VICINITY, MONTGOMERY COUNTY, PENNSYLVANIA, AUGUST 22-23, 1996**

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