

**EXPLANATION**

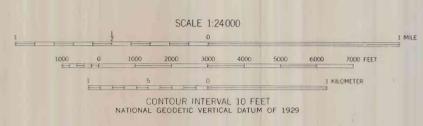
— BOUNDARY OF STUDY AREA -- Northern and eastern boundaries are the Schuylkill River and Valley Creek. The southern boundary is the contact between Triassic rocks and older crystalline and metasedimentary rocks. The western boundary is the East Vincent Township line.

--- 300 --- POTENTIOMETRIC CONTOUR -- Shows altitude of potentiometric surface as defined by measured water levels. Dashed where approximately located. Dashed contour lines estimate depression in potentiometric surface caused by near-by pumping. Contoured potentiometric surface represents the water table except at wells that tap confined zones in the aquifer. Contour interval 20 feet. Altitude in feet above National Geodetic Vertical Datum of 1929.

SITE USED FOR WATER-LEVEL MEASUREMENT -- Symbol gives location of site. Number is altitude of water level in feet above National Geodetic Vertical Datum of 1929. Wells and springs outside the study area are shown where they were used to contour the potentiometric surface.

- 368 (1956) Altitude of static water level measured in drilled or dug well completed in the Triassic rocks. Year of water-level observation in parenthesis ( ) if measured or reported for a period other than September 1987 through January 1988. Pre-1987 measurements were incorporated to provide control in areas where more recent data were not available.
- 229 Altitude of static water level in drilled or dug well completed in crystalline or metasedimentary rocks older than Triassic rocks.
- 209f Altitude of land surface at site of well that was flowing in November and December 1987.
- ▲ 150 Altitude of spring that was flowing in November and December 1987.
- △ 298 Altitude of static water level that represents a potentiometric surface other than the water table. Measuring points include wells that may penetrate a deeper semiconfined zone and data may reflect a composite head. These data were not used to contour the potentiometric surface and are included for information only.

Base from U. S. Geological Survey  
 Collegeville 1:24,000 1966  
 Malvern 1:24,000 1983  
 Phoenixville 1:24,000 1983  
 Pottstown 1:24,000 1973  
 Valley Forge 1:24,000 1981



ALTITUDE AND CONFIGURATION OF THE POTENTIOMETRIC SURFACE IN THE  
TRIASSIC SANDSTONES AND SHALES, NORTHEASTERN CHESTER COUNTY,  
PENNSYLVANIA, SEPTEMBER 1987 THROUGH JANUARY 1988

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