

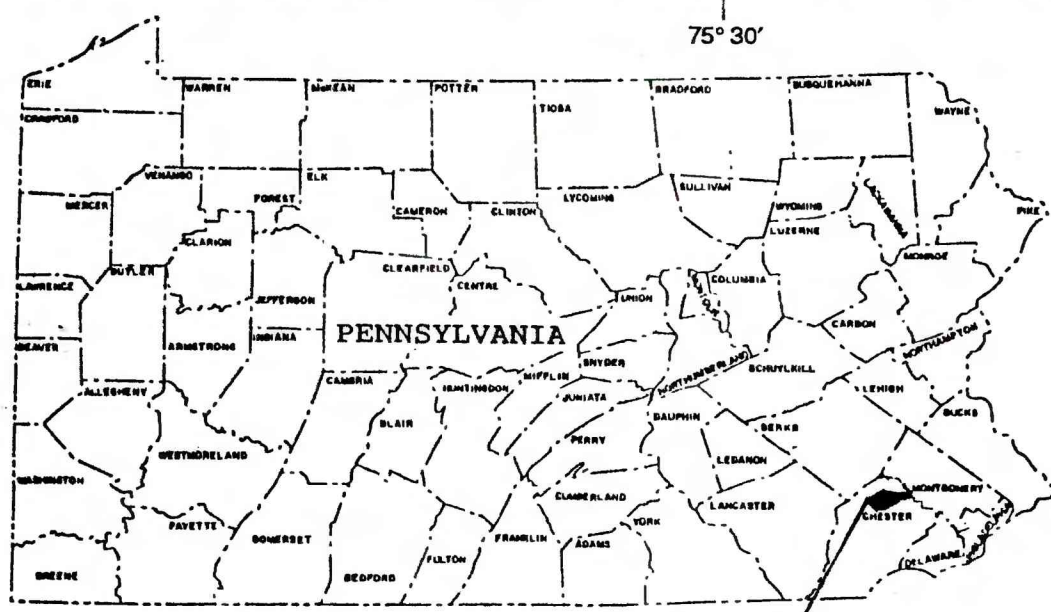


- EXPLANATION
- BOUNDARY OF STUDY AREA—The northern boundary is the contact between the Triassic rocks to the north and the older crystalline and metasedimentary rocks. The western boundary is South Coventry, East Nantmeal, Upper Uwchlan, and Uwchlan Townships. The southern boundary is the contact between the carbonate Chester Valley and the crystalline and metasedimentary rocks. The eastern boundary is Valley Forge National Park.
 - POTENTIOMETRIC CONTOUR—Shows altitude of potentiometric surface as defined by measured water levels. Dashed where approximately located. Hasbroun release depression. Contoured potentiometric surface represents the water table except at wells that tap confined areas in the aquifer. Contour interval is 20 feet up to 500 feet, and then 50 feet starting at 500 feet. National Geodetic Vertical Datum of 1929.
 - WELL USED FOR WATER-LEVEL MEASUREMENT—Symbol is at 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.
 - 165 Altitude of static water level measured in drilled or dug well completed in the crystalline or metasedimentary rocks.
 - 580 Spring that was flowing between May 1990 and October 1990.
 - 442 Altitude of water level that represents a potentiometric surface other than the water table. These data were not used to contour the potentiometric surface and are included for information only.

Base from U.S. Geological Survey
Downstown 1:24,000, 1983;
Malvern 1:24,000, 1983;
Phoenixville 1:24,000, 1983;
Pottstown 1:24,000, 1975;
Valley Forge 1:24,000, 1981

UTM GRID AND 1983 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

SCALE 1:24,000
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
0 1 2 3 4 5 6 7 8 9 10 KILOMETERS
CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929



ALTITUDE AND CONFIGURATION OF THE POTENTIOMETRIC SURFACE IN THE
CRYSTALLINE AND METASEDIMENTARY ROCKS, NORTHEASTERN CHESTER COUNTY,
PENNSYLVANIA, MAY THROUGH OCTOBER 1990

By
B. Craig McManus
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LOCATION OF MAPPED AREA