

EXPLANATION

Pre-1994 measurements were incorporated on the map to provide control in areas where more recent data were not available. Because little ground-water development has occurred in the areas where pre-1994 water levels were used, levels are assumed to be the same in 1994 and 1995 as they were when the measurement was made.

--- BOUNDARY OF STUDY AREA--The western, northern, and eastern boundaries are the township boundaries. State line and surface water divide between the Red Clay Creek and Brandywine Creek Basins

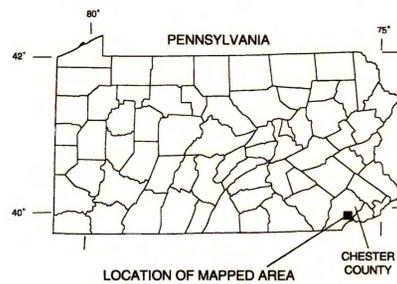
--- 440 --- POTENTIOMETRIC CONTOUR--Shows altitude of potentiometric surface as defined by measured water levels. Potentiometric contours are approximate. Contoured potentiometric surface represents the water table except at wells that tap confined zones in the aquifer. Contour interval is 20 feet. Datum is sea level

SITE USED FOR WATER-LEVEL MEASUREMENT

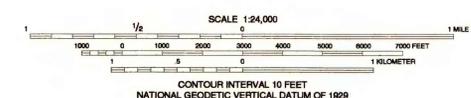
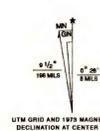
Symbol is at location of site. Number is altitude of water level in feet above sea level. Wells and springs outside the study area are shown where they were used to contour the potentiometric surface

● 513 (1989) Well and altitude of static water level in drilled or dug well and year of water-level measurement (in parentheses) for a period other than June 1994 through November 1995

● 375 Spring that was flowing from June 1994 through November 1995



LOCATION OF MAPPED AREA
CHESTER COUNTY



SCALE 1:24,000
CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1989

Base from U.S. Geological Survey
Coatsville, 1992;
Kennett Square, 1986;
Unionville, 1973;
West Chester, 1973;
Wilmington North, 1993;
scale 1:24,000

ALTITUDE AND CONFIGURATION OF THE POTENTIOMETRIC SURFACE IN THE CRYSTALLINE AND METASEDIMENTARY ROCKS IN BIRMINGHAM, NEWLIN, PENNSBURY, AND POCOPSON TOWNSHIPS AND PARTS OF EAST MARLBOROUGH AND KENNETT TOWNSHIPS, CHESTER COUNTY, PENNSYLVANIA, JUNE 1994 THROUGH NOVEMBER 1995

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1996

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