

CHESTER COUNTY

395717075392301. Local number, CH 12.

LOCATION.--Lat 39°57'17", long 75°39'23", Hydrologic Unit 02040205, at Deborah's Rock Farm at State Highway 162, at Copesville.
Owner: Privately owned.

AQUIFER.--Felsic and intermediate gneiss, amphibolite facies.

WELL CHARACTERISTICS.--Dug unused observation well, diameter 29 in., depth 38.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by U.S. Geological Survey personnel. Monthly measurements for Feb. to Sept. made with electric tape.

DATUM.--Elevation of land-surface datum is 248 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of wooden cover, 2.0 ft above land surface datum.

REMARKS.--Well is dry at 38.50 ft. In past, well was at least 39.2 ft deep, but has since filled with silt to 38.5 ft. Measuring point changed Dec. 26, 1990.

PERIOD OF RECORD.--July 1951 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 28.98 ft below land-surface datum, Apr. 20, 1993; lowest, 39.13 ft below land-surface datum, Oct. 18, 1951.

EXTREMES FOR CURRENT YEAR.--Highest water level, 31.64 ft below land-surface datum, Sept. 23; lowest, 38.50 ft below land-surface datum, Oct. 22, Nov. 21, Dec. 19.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
INSTANTANEOUS VALUES

DATE	WATER LEVEL										
OCT 22	38.50	DEC 19	38.50	FEB 21	36.74	APR 22	33.21	JUN 20	32.51	AUG 21	33.11
NOV 21	38.50	JAN 22	36.69	MAR 20	33.52	MAY 20	34.30	JUL 22	31.68	SEP 23	31.64