

Water-Data Report 2011

395717075392301 Local number CH 12

Piedmont and Blue Ridge crystalline-rock aquifers
Felsic Gneiss, Hornblende-Bearing

Chester County, PA

LOCATION.--Lat 39°57'17", long 75°39'23" referenced to North American Datum of 1927, Chester County, PA, Hydrologic Unit 02040205, at Deborah's Rock Farm at State Highway 162, at Copesville.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 38.5 ft. Upper casing diameter 30 in; top of first opening undefined, bottom of last opening undefined. Dug unused observation well.

DATUM.--Land-surface datum is 248 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of rock casing, north side, 2.0 ft above land-surface datum, Dec. 29, 1990, to present.

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

GAGE.--Monthly measurement by U.S. Geological Survey personnel.

COOPERATION.--Station established and maintained by the U.S. Geological Survey in cooperation with the Chester County Water Resources Authority.

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. 29, 1990.

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.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked. Water-level status: - , static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 20	36.59	V	--	Apr 20	32.43	V	--
Nov 18	37.03	V	--	May 20	32.67	V	--
Dec 20	37.00	V	--	Jun 20	34.45	V	--
Jan 20	37.14	V	--	Jul 20	36.08	V	--
Feb 17	36.85	V	--	Aug 18	36.66	V	--
Mar 17	32.40	V	--	Sep 20	33.22	V	--

Water year 2011 highest: 32.40, Mar 17, 2011; lowest: 37.14, Jan 20, 2011