

Water-Data Report 2011

400453075255601 Local number CH 210

Piedmont and Blue Ridge carbonate-rock aquifers
Elbrook Formation

Chester County, PA

LOCATION.--Lat 40°04'53", long 75°25'56" referenced to North American Datum of 1927, Chester County, PA, Hydrologic Unit 02040203, at Red Coat Lane, near Valley Forge Park.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 600 ft. Upper casing diameter 12 in; top of first opening 26 ft, bottom of last opening 600 ft. Drilled unused observation well, cased to 26 ft, open hole.

DATUM.--Land-surface datum is 150 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of PVC riser pipe, 1.60 ft above land-surface datum, May 20, 2008, to present.

PERIOD OF RECORD.--June 1978 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.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.00 ft below land-surface datum, Feb. 26, 1979; lowest, 28.20 ft below land-surface datum, Sept. 19, 2002.

**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 21	22.29	V	--	Apr 21	17.18	V	--
Nov 19	22.63	V	--	May 19	19.38	V	--
Dec 21	21.69	V	--	Jun 21	21.26	V	--
Jan 21	22.22	V	--	Jul 21	23.03	V	--
Feb 18	20.09	V	--	Aug 19	23.78	V	--
Mar 18	16.89	V	--	Sep 20	18.17	V	--

Water year 2011 highest: 16.89, Mar 18, 2011; lowest: 23.78, Aug 19, 2011