

Water-Data Report 2011

400400075314401 Local number CH 89

Piedmont and Blue Ridge carbonate-rock aquifers
Elbrook Formation

Chester County, PA

LOCATION.--Lat 40°04'00", long 75°31'44" referenced to North American Datum of 1927, Chester County, PA, Hydrologic Unit 02040203, at quarry on Yellow Springs Road, near Devault.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 265 ft. Upper casing diameter 6 in; top of first opening 112 ft, bottom of last opening 265 ft. Drilled unused observation well, cased to 112 ft, open hole.

DATUM.--Land-surface datum is 365 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of inner ring in well cap, 3.62 ft above land-surface datum, May 23, 1988, to present.

PERIOD OF RECORD.--May 1988 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, 122.66 ft below land-surface datum, Feb. 18, 2004; lowest, 183.77 ft below land-surface datum, Feb. 21, 1989.

**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	140.50	V	--	Apr 21	137.38	V	--
Nov 19	142.16	V	--	May 19	138.28	V	--
Dec 21	142.34	V	--	Jun 21	139.71	V	--
Jan 21	143.08	V	--	Jul 21	141.06	V	--
Feb 18	142.45	V	--	Aug 19	141.48	V	--
Mar 18	138.37	V	--	Sep 20	135.84	V	--

Water year 2011 highest: 135.84, Sep 20, 2011; lowest: 143.08, Jan 21, 2011