



Water-Data Report 2013

**400645075411501 Local number CH 1247**

Piedmont and Blue Ridge crystalline-rock aquifers  
Felsic Gneiss, Granulite Facies

Chester County, PA

LOCATION.--Lat 40°06'45.8", long 75°41'14.5" referenced to North American Datum of 1983, Chester County, PA, Hydrologic Unit 02040203, at State Highway 401 and 100, at Ludwigs Corner.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 35 ft. Upper casing diameter undefined; top of first opening undefined, bottom of last opening undefined. Dug unused observation well.

DATUM.--Land-surface datum is 610 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of square opening in concrete slab, 2.00 ft above land-surface datum, Dec. 27, 1973, to present.

PERIOD OF RECORD.--December 1973 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, 24.90 ft below land-surface datum, Mar 18, 2010; lowest, 36.14 ft below land-surface datum, Jan. 22, 1996.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

[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 23	29.69	V	--	Apr 19	28.90	V	--
Nov 19	28.82	V	--	May 20	27.74	V	--
Dec 21	30.13	V	--	Jun 21	25.70	V	--
Jan 17	28.39	V	--	Jul 18	27.39	V	--
Feb 21	28.31	V	--	Aug 20	27.45	V	--
Mar 21	27.95	V	--	Sep 20	29.05	V	--

Water year 2013 highest: 25.70, Jun 21, 2013; lowest: 30.13, Dec 21, 2012