



Water-Data Report 2011

400645075411501 Local number CH 1247

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

Chester County, PA

LOCATION.--Lat 40°06'45", long 75°41'15" referenced to North American Datum of 1927, 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.

REMARKS.--

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 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	28.53	V	--	Apr 21	26.07	V	--
Nov 19	29.55	V	--	May 19	26.32	V	--
Dec 21	29.25	V	--	Jun 20	28.08	V	--
Jan 20	30.70	V	--	Jul 21	29.73	V	--
Feb 18	29.80	V	--	Aug 18	29.00	V	--
Mar 17	25.54	V	--	Sep 20	26.48	V	--

Water year 2011 highest: 25.54, Mar 17, 2011; lowest: 30.70, Jan 20, 2011