

Water-Data Report 2011

394757075432101 Local number CH 1921

Piedmont and Blue Ridge crystalline-rock aquifers
Wissahickon Formation, Oligoclase Mica Schist

Chester County, PA

LOCATION.--Lat 39°47'57", long 75°43'21" referenced to North American Datum of 1927, Chester County, PA, Hydrologic Unit 02040205, at Ewart Road, at Kaolin.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 65 ft. Upper casing diameter 6 in; top of first opening 24 ft, bottom of last opening 65 ft. Drilled unused observation well, cased to 24 ft, open hole.

DATUM.--Land-surface datum is 405 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.3 ft above land-surface datum, April 7, 1970, to present.

PERIOD OF RECORD.--September 1974 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, 33.65 ft below land-surface datum, Apr. 19, 2005; lowest, 60.96 ft below land-surface datum, Jan. 21, 1986.

**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; S, steel tape. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 20	42.28	V	--	Apr 20	40.68	V	--
Nov 18	43.10	V	--	May 20	39.51	S	--
Dec 20	43.62	V	--	Jun 20	40.15	V	--
Jan 20	44.15	V	--	Jul 20	41.04	V	--
Feb 17	44.19	V	--	Aug 18	42.16	V	--
Mar 17	42.56	V	--	Sep 20	41.58	S	--

Water year 2011 highest: 39.51, May 20, 2011; lowest: 44.19, Feb 17, 2011