

Water-Data Report 2013

394757075432101 Local number CH 1921

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

Chester County, PA

LOCATION.--Lat 39°47'57.2", long 75°43'17.6" referenced to North American Datum of 1983, 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 undefined, bottom of last opening undefined. 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 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 22 | 45.69 | V | -- | Apr 18 | 43.64 | V | -- |
| Nov 19 | 45.78 | V | -- | May 20 | 43.30 | V | -- |
| Dec 20 | 46.19 | V | -- | Jul 12 | 41.80 | V | -- |
| Jan 18 | 45.33 | V | -- | 18 | 41.27 | V | -- |
| Feb 20 | 44.65 | V | -- | Aug 21 | 40.39 | V | -- |
| Mar 20 | 43.91 | V | -- | Sep 19 | 40.47 | V | -- |

Water year 2013 highest: 40.39, Aug 21, 2013; lowest: 46.19, Dec 20, 2012