



Water-Data Report 2011

393559075380101 Local number Dc52-127

Northern Atlantic Coastal Plain aquifer system
Potomac Formation

New Castle County, DE

LOCATION.--Lat 39°35'59", long 75°38'01" referenced to North American Datum of 1983, New Castle County, DE, Hydrologic Unit 02040205.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 130 ft. Upper casing diameter 2 in; top of first opening 125 ft, bottom of last opening 130 ft. Drilled, observation well.

DATUM.--Land-surface datum is 45.68 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of inner casing, 2.29 ft above land-surface datum, Aug. 8, 2009, to present.

PERIOD OF RECORD.--August 2009 to current year.

GAGE.--Water-level measurements by U.S. Geological Survey personnel.

REMARKS.--Well PW-12; USGS - Potomac Aquifer Study at Standard Chlorine, Delaware City.

EXTREMES FOR PERIOD OF RECORD.--Highest water-level measured, 2.90 ft above sea level, April 14, 2011; lowest measured, -2.72 ft above sea level, October 14, 2009. Lowest water level measured during the aquifer pump test was -4.97 ft above sea level, August 31, 2010.

WATER SURFACE ELEVATION IN FEET NGVD 1929

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

[Measurement method: T, electric tape. Water-level status: - , static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 19	2.48	T	--	Apr 14	2.90	T	--
Nov 18	2.36	T	--	May 11	2.87	T	--
Dec 14	2.36	T	--	Jun 22	2.45	T	--
Jan 13	2.23	T	--	Jul 19	2.27	T	--
Feb 23	2.51	T	--	Aug 18	2.05	T	--
Mar 15	2.71	T	--	Sep 14	2.39	T	--

Water year 2011 lowest: 2.05, Aug 18, 2011, highest: 2.90, Apr 14, 2011

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