



Water-Data Report 2011

393552075375602 Local number Dc53-50

Northern Atlantic Coastal Plain aquifer system
Potomac Formation

New Castle County, DE

LOCATION.--Lat 39°35'51.94", long 75°37'56.36" referenced to North American Datum of 1983, New Castle County, DE, Hydrologic Unit 02040205.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 150 ft. Upper casing diameter 2 in; top of first opening 140 ft, bottom of last opening 150 ft. Drilled, observation well.

DATUM.--Land-surface datum is 60.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of inner casing, 2.08 ft above land-surface datum, Aug. 10, 2005, to present.

PERIOD OF RECORD.--August 2005 to current year.

GAGE.--Water-level measurements by U.S. Geological Survey personnel. Equipped with a digital water-level recorder -15 minute recording interval, March 2006 to June 2007.

REMARKS.--Well PW-02 - Potomac Aquifer Study at Standard Chlorine, Delaware City.

EXTREMES FOR PERIOD OF RECORD.--Highest water-level measured, 2.89 ft above sea level, April 14, 2011; lowest measured, -2.95 ft above sea level, December 16, 2008. Lowest water level measured during the aquifer pump test was -4.51 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	2.89	T	--
Nov 18	2.36	T	--	May 11	2.87	T	--
Dec 14	2.34	T	--	Jun 22	2.45	T	--
Jan 13	2.21	T	--	Jul 19	2.28	T	--
Feb 23	2.48	T	--	Aug 18	2.02	T	--
Mar 15	2.70	T	--				

Water year 2011 lowest: 2.02, Aug 18, 2011, highest: 2.89, Apr 14, 2011

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