



Water-Data Report 2011

393554075375001 Local number Dc53-86

Northern Atlantic Coastal Plain aquifer system
Potomac Formation

New Castle County, DE

LOCATION.--Lat 39°35'54.37", long 75°37'50.10" referenced to North American Datum of 1983, New Castle County, DE, Hydrologic Unit 02040205.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 158 ft. Upper casing diameter 2 in; top of first opening 152 ft, bottom of last opening 157 ft. Drilled, observation well.

DATUM.--Land-surface datum is 50.58 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of inner casing, 2.80 ft above land-surface datum, June 5, 2007, to present.

PERIOD OF RECORD.--June 2007 to current year.

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

REMARKS.--Well PW-8 - Potomac Aquifer Study at Standard Chlorine, Delaware City.

EXTREMES FOR PERIOD OF RECORD.--Highest water-level measured, 2.29 ft above sea level, April 14, 2011; lowest measured, -3.03 ft above sea level, December 16, 2008. Lowest water level measured during the aquifer pump test was -3.46 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	1.96	T	--	Apr 14	2.29	T	--
Nov 18	1.80	T	--	May 11	2.28	T	--
Dec 14	1.77	T	--	Jun 22	1.85	T	--
Jan 13	1.60	T	--	Jul 19	1.64	T	--
Feb 23	1.89	T	--	Aug 18	1.49	T	--
Mar 15	2.10	T	--	Sep 14	1.86	T	--

Water year 2011 lowest: 1.49, Aug 18, 2011, highest: 2.29, Apr 14, 2011

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