

Water-Data Report 2011

**383508076540703 Local number CH Bf 151**

Northern Atlantic Coastal Plain aquifer system  
Upper Patapsco Aquifer In the Patapsco Formation

Charles County, MD

LOCATION.--Lat 38°35'08", long 76°54'07" referenced to North American Datum of 1927, Charles County, MD, Hydrologic Unit 02070011, 0.3 mi south of the intersection of St. Pauls Dr. and Piney Church Rd., St. Charles.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 660 ft. Upper casing diameter 6 in; top of first opening 645 ft, bottom of last opening 660 ft. Drilled, observation, artesian well.

DATUM.--Land-surface datum is 192.8 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter platform, 2.20 ft above land-surface datum, April 2, 1992, to present.

PERIOD OF RECORD.--November 1985 to current year.

GAGE.--Water-level measurements by Maryland Geological Survey personnel. Equipped with digital water-level recorder--60-minute recorder interval from August 1987 to November 2004.

REMARKS.--Charles County Groundwater-Level Monitoring Network observation well. Water levels are affected by local and regional groundwater withdrawal.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.39 ft below sea level, March 27, 1988 (recorder); lowest measured, 90.00 ft below sea level, January 26, 2006.

**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
Nov 12	-66.55	T	--	May 5	-64.72	T	--
Dec 29	-65.22	T	--	Jun 15	-68.35	T	--
Mar 18	-64.75	T	--	Sep 14	-69.56	T	--

Water year 2011 lowest: -69.56, Sep 14, 2011, highest: -64.72, May 5, 2011

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