



Water-Data Report 2011

383508076540701 Local number CH Bf 146

Northern Atlantic Coastal Plain aquifer system
Lower 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 1,427 ft. Upper casing diameter 6 in; top of first opening 1,059 ft, bottom of last opening 1,417 ft. Drilled, observation, artesian well.

DATUM.--Land-surface datum is 192.8 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum, Nov. 29, 1994, to present.

PERIOD OF RECORD.--April 1984 to current year.

GAGE.--Water-level measurements by Maryland Geological Survey personnel.

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, 3.02 ft below sea level, April 4, 1985; lowest measured, 158.94 ft below sea level, September 25, 2002.

**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	-139.12	T	--	May 5	-119.66	T	--
Dec 29	-130.29	T	--	Jun 15	-127.21	T	--
Mar 18	-122.26	T	--	Sep 14	-138.81	T	--

Water year 2011 lowest: -139.12, Nov 12, 2010, highest: -119.66, May 5, 2011

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