



Water-Data Report 2011

382654077152701 Local number CH Da 20

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

Charles County, MD

LOCATION.--Lat 38°26'54", long 77°15'27" referenced to North American Datum of 1927, Charles County, MD, Hydrologic Unit 02070011, near Douglas Point.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 522 ft. Upper casing diameter 6 in; top of first opening 420 ft, bottom of last opening 522 ft. Drilled, observation, artesian well.

DATUM.--Land-surface datum is 90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum, Sep. 1977 to present; Top of casing, 1.75 ft above land-surface datum, Sep. 14, 2011, to present.

PERIOD OF RECORD.--September 1977 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 regional groundwater withdrawal.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 0.86 ft below sea level, March 22, 1979 and March 25, 1980; lowest measured, 17.28 ft below sea level, September 23, 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
May 5	-17.11	T	--	Sep 14	-16.41	T	--

Water year 2011 lowest: -17.11, May 5, 2011, highest: -16.41, Sep 14, 2011