



Water-Data Report 2011

**383640076545901 Local number CH Bf 133**

Northern Atlantic Coastal Plain aquifer system  
Magothy Formation

Charles County, MD

LOCATION.--Lat 38°36'40", long 76°54'59" referenced to North American Datum of 1927, Charles County, MD, Hydrologic Unit 02070011, Copely Rd., St. Charles.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 506 ft. Upper casing diameter 7 in; top of first opening 436 ft, bottom of last opening 506 ft. Drilled, observation, artesian well.

DATUM.--Land-surface datum is 223.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.82 ft above land-surface datum, Mar. 23, 1979, to present.

PERIOD OF RECORD.--April 1974 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, 11.82 ft above sea level, April 26, 1974; lowest measured, 135.48 ft below sea level, July 10, 2007.

**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	-119.63	T	--	May 5	-118.46	T	--
Dec 29	-120.30	T	--	Jun 15	-124.59	T	--
Mar 18	-113.69	T	--	Sep 13	-78.57	T	--

Water year 2011 lowest: -124.59, Jun 15, 2011, highest: -78.57, Sep 13, 2011

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