

Water-Data Report 2011

383728076531701 Local number CH Bf 134

Northern Atlantic Coastal Plain aquifer system
Magothy Formation

Charles County, MD

LOCATION.--Lat 38°37'28", long 76°53'17" referenced to North American Datum of 1927, Charles County, MD, Hydrologic Unit 02070011, at Waldorf.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 546 ft. Upper casing diameter 6 in; top of first opening 402 ft, bottom of last opening 546 ft. Drilled, observation, artesian well.

DATUM.--Land-surface datum is 202.09 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.52 ft above land-surface datum, April 2, 1992, 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, 13.22 ft above sea level, April 26, 1974; lowest measured, 91.00 ft below sea level, July 30, 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	-65.49	T	--	May 5	-84.69	T	--
Dec 29	-84.27	T	--	Jun 15	-86.90	T	--
Mar 18	-83.43	T	--	Sep 13	-73.89	T	--

Water year 2011 lowest: -86.90, Jun 15, 2011, highest: -65.49, Nov 12, 2010

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