



Water-Data Report 2008

**383455077074401 Local number CH Cc 31**

Northern Atlantic Coastal Plain aquifer system  
Lower Patapsco Aquifer In the Patapsco Formation  
Charles County, MD

LOCATION.--Lat 38°34'55", long 77°07'44" referenced to North American Datum of 1927, Charles County, MD, Hydrologic Unit 02070011, at Mattawoman Natural Environment Area, approximately 2,000 ft west of the intersection of MD Rts. 224 and 425.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 559 ft. Upper casing diameter 6 in; top of first opening 438 ft, bottom of last opening 554 ft. Drilled, observation, artesian well.

DATUM.--Land-surface datum is 35 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter platform, 3.75 ft above land-surface datum, Sep. 17, 1998, to present.

PERIOD OF RECORD.--July 1998 to current year.

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

REMARKS.--Charles County Ground-Water-Level Monitoring Network observation well. Water levels are affected by local and regional ground-water withdrawal.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.23 ft below sea level, July 14, 1998; lowest measured, 106.06 ft below sea level, September 21, 2007.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

[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
Oct 31	-105.21	T	--	Apr 17	-102.02	T	--
Jan 31	-102.51	T	--	Jun 18	-101.96	T	--
Mar 6	-102.54	T	--	Sep 4	-101.91	T	--

Water year 2008; lowest: -105.21 Oct 31, 2007 highest: -101.91 Sep 04, 2008

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