



Water-Data Report 2008

383254076481401 Local number CH Cg 24

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

LOCATION.--Lat 38°32'54", long 76°48'14" referenced to North American Datum of 1927, Charles County, MD, Hydrologic Unit 02070011, at Hughesville Pond.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 835 ft. Upper casing diameter 4 in; top of first opening 795 ft, bottom of last opening 825 ft. Drilled, observation, artesian well.

DATUM.--Land-surface datum is 171.04 ft above North American Vertical Datum of 1988. Measuring point: Top of 4 in. coupling, 3.75 ft above land-surface datum, Mar. 26, 2002, to present.

PERIOD OF RECORD.--January 2002 to current year.

GAGE.--Water-level measurements by U.S. Geological Survey personnel. Equipped with digital water-level recorder--60-minute recording interval, April 2002 to September 2005.

REMARKS.--Southern Maryland Patapsco Aquifer Well Drilling Project observation well. Water levels are affected by regional ground-water withdrawal.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.80 ft below sea level, April 3, 2002 (recorder); lowest measured, 57.36 ft below sea level, September 4, 2008.

**WATER SURFACE ELEVATION IN FEET NAVD 1988
 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
Apr 16	-55.91	T	--	Sep 4	-57.36	T	--

Water year 2008; lowest: -57.36 Sep 04, 2008 highest: -55.91 Apr 16, 2008