



Water-Data Report 2011

383644077055501 Local number CH Bc 77

Northern Atlantic Coastal Plain aquifer system
Patuxent Formation

Charles County, MD

LOCATION.--Lat 38°36'44", long 77°05'55" referenced to North American Datum of 1927, Charles County, MD, Hydrologic Unit 02070011, 2.75 mi southwest of intersection with MD Rts. 210 and 227, 0.25 mi south of MD Rt. 210.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 955 ft. Upper casing diameter 8 in; top of first opening 925 ft, bottom of last opening 955 ft. Drilled, observation, artesian well.

DATUM.--Land-surface datum is 96.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter platform, 3.38 ft above land-surface datum, Aug. 1995 to present.

PERIOD OF RECORD.--August 1995 to current year.

GAGE.--Water-level measurements by Maryland Geological Survey personnel. Equipped with digital water-level recorder--60-minute recorder interval, August 1995 to September 2000.

REMARKS.--Charles County Groundwater-Level Monitoring Network observation well. Water levels are affected by regional groundwater withdrawal. A 48-hour pump test occurred in a nearby well on November 22 and 23, 1996. The lowest water level measured during this period was 15.54 ft below sea level.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.76 ft above sea level, August 29, 1995 (recorder); lowest measured, 65.47 ft below sea level, September 16, 2011.

**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	-58.74	T	--	Jun 15	-62.62	T	--
Dec 29	-58.67	T	--	Sep 16	-65.47	T	--
May 6	-60.38	T	--				

Water year 2011 lowest: -65.47, Sep 16, 2011, highest: -58.67, Dec 29, 2010

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