



Water-Data Report 2011

383637076545803 Local number CH Bf 157

Northern Atlantic Coastal Plain aquifer system
Upper Patapsco Aquifer In the Patapsco 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. at St. Charles.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 623 ft. Upper casing diameter 6 in; top of first opening 608 ft, bottom of last opening 623 ft. Drilled, observation, artesian well.

DATUM.--Land-surface datum is 225 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 1.70 ft above land-surface datum, April 2, 1992, to present.

PERIOD OF RECORD.--November 1986 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 regional groundwater withdrawal.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.27 ft below sea level, April 5, 1988; lowest measured, 78.15 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 | -66.66 | T | -- | May 5 | -64.01 | T | -- |
| Dec 29 | -65.58 | T | -- | Jun 15 | -69.82 | T | -- |
| Mar 18 | -65.25 | T | -- | Sep 13 | -70.50 | T | -- |

Water year 2011 lowest: -70.50, Sep 13, 2011, highest: -64.01, May 5, 2011

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