



Water-Data Report 2011

390126076402901 Local number AA Cc 137

Northern Atlantic Coastal Plain aquifer system
Lower Patapsco Aquifer In the Patapsco Formation

Anne Arundel County, MD

LOCATION.--Lat 39°01'26", long 76°40'29" referenced to North American Datum of 1927, Anne Arundel County, MD, Hydrologic Unit 02060006, near Reidel Rd and Johns Hopkins Rd, at Crofton Meadows.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 690 ft. Upper casing diameter 4 in; top of first opening 476 ft, bottom of last opening 686 ft. Drilled, observation, artesian well.

DATUM.--Land-surface datum is 115.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter platform, 2.10 ft above land-surface datum, Aug. 17, 2001, to present.

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

GAGE.--Water-level measurements by Maryland Geological Survey personnel. Equipped with digital water-level recorder--15-minute recorder interval from May 1998 to September 2004.

REMARKS.--Anne Arundel County Groundwater-Level Monitoring Network observation well. Water levels are affected by local groundwater withdrawal.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.28 ft above sea level, February 17, 2001 (recorder); lowest measured, 39.45 ft below sea level, August 30, 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 | 9.21 | T | -- | Apr 14 | 13.39 | T | -- |
| Dec 14 | 11.40 | T | -- | Jun 8 | -1.01 | T | -- |
| Feb 17 | 16.42 | T | -- | Aug 30 | -39.45 | T | -- |

Water year 2011 lowest: -39.45, Aug 30, 2011, highest: 16.42, Feb 17, 2011

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