



Water-Data Report 2011

**393241075500201 Local number CE Ce 55**

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

Cecil County, MD

LOCATION.--Lat 39°32'41", long 75°50'02" referenced to North American Datum of 1927, Cecil County, MD, Hydrologic Unit 02060002, Canal National Wildlife Refuge near Elk Forest Rd.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 375 ft. Upper casing diameter 4 in; top of first opening 370 ft, bottom of last opening 375 ft. Drilled, observation, artesian well.

DATUM.--Land-surface datum is 55 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum, Mar. 1983 to present.

PERIOD OF RECORD.--March 1983 to November 1984, July 1985 to current year.

GAGE.--Water-level measurements by U.S. Geological Survey personnel. Equipped with graphic water-level recorder from July 1983 to November 1984.

REMARKS.--Maryland Groundwater-Level Monitoring Network observation well. Water levels are affected by local and regional groundwater withdrawal. Water-quality records for some prior periods have been collected at this location.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.56 ft below land surface, April 17, 1984; lowest measured, 78.14 ft below land surface, September 14, 2010.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM  
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
Apr 12	74.29	T	--	Sep 15	74.84	T	--

Water year 2011 highest: 74.29, Apr 12, 2011; lowest: 74.84, Sep 15, 2011