



Water-Data Report 2012

**371132076405501 Local number 57F 16 SOW 087A**

Northern Atlantic Coastal Plain aquifer system  
Patuxent Formation

Surry County, VA

LOCATION.--Lat 37°11'32", long 76°40'55" referenced to North American Datum of 1927, Surry County, VA, Hydrologic Unit 02080206, at the end of State Highway 650 in Homewood, 7.6 mi northeast of Bacons Castle. Owner: Virginia Department of Environmental Quality.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 1,206 ft. Upper casing diameter 4.00 in; top of first opening 1,170 ft, bottom of last opening 1,185 ft. Drilled observation water well, screened 1,170 to 1,185 ft.

DATUM.--Land-surface datum is 5 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF CASING, 1.50 ft above land-surface datum, July 20, 1978, to present.

PERIOD OF RECORD.--July 1978 to current year. Unpublished records available prior to October 1985 in files of the Virginia Department of Environmental Quality - Water Division.

GAGE.--Occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Oct. 7, 1985, to July 10, 1995, bimonthly measurement with chalked tape. Prior to Oct. 7, 1985, occasional measurement with chalked tape.

REMARKS.--Well is located in Lower Potomac aquifer of Cretaceous age. Records provided by the Virginia Department of Environmental Quality - Water Division. Water level affected by local pumpage and regional drawdown. Water from this well is known to contain concentrations of dissolved solids greater than 1,000 mg/L.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.22 ft below land-surface datum, July 20, 1978; lowest measured, 98.60 ft below land-surface datum, Oct. 22, 2009.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM  
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

[Measurement method: S, steel tape. Water-level status: - , static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Nov 9	96.48	S	--	Apr 30	95.18	S	--
Jan 30	96.48	S	--	Jul 24	96.35	S	--

Water year 2012 highest: 95.18, Apr 30, 2012; lowest: 96.48, Nov 9, 2011, Jan 30, 2012

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