

Water-Data Report 2012

370253076431201 Local number 57E 14 SOW 144A

Northern Atlantic Coastal Plain aquifer system
Patapsco Formation

Isle of Wight County, VA

LOCATION.--Lat 37°02'53", long 76°43'12" referenced to North American Datum of 1927, Isle of Wight County, VA, Hydrologic Unit 02080208, 0.5 mi east of State Highway 627, 1.0 mi north of State Highway 621, and 2.5 mi southwest of Rushmere. Owner: Virginia Department of Environmental Quality.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 600 ft. Upper casing diameter 4.00 in; top of first opening 590 ft, bottom of last opening 600 ft. Drilled observation water well, diameter 3 in. from 590 to 600 ft, screened 590 to 600 ft.

DATUM.--Land-surface datum is 86 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF CASING, 2.00 ft above land-surface datum, April 24, 1980, to present.

PERIOD OF RECORD.--April 1980 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 Unpublished records available prior to October 1985 in files of the Virginia Department of Environmental Quality - Water Division.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, monthly measurement with chalked tape.

REMARKS.--Well is located in Middle 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.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 139.49 ft below land-surface datum, Apr. 24, 1980; lowest measured, 174.22 ft below land-surface datum, Nov. 24, 2008.

**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	170.23	S	--	May 1	167.79	S	--
Jan 30	169.36	S	--	Jul 25	167.91	S	--

Water year 2012 highest: 167.79, May 1, 2012; lowest: 170.23, Nov 9, 2011

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