



Water-Data Report 2012

372506076511704 Local number 56H 28 SOW 177D

Northern Atlantic Coastal Plain aquifer system
Paleocene Series

James City County, VA

LOCATION.--Lat 37°24'51", long 76°51'33" referenced to North American Datum of 1927, James City County, VA, Hydrologic Unit 02080206, 3.15 mi west of the intersection of U.S. Highway 60 and State Highway 168, 0.7 mi north of the intersection of State Highways 168 and 601, and on the northwest side of State Highway 601. Owner: Virginia Department of Environmental Quality.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 321 ft. Upper casing diameter 4.00 in; top of first opening 290 ft, bottom of last opening 300 ft. Drilled observation water well, screened 290 to 300 ft.

DATUM.--Land-surface datum is 103 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF CASING, 0.90 ft above land-surface datum, Dec. 4, 1989, to present.

PERIOD OF RECORD.--April 1985 to current year. Unpublished records available prior to October 1986 in files of the USGS.

GAGE.--Occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Sept. 28, 1995 to Sept. 30, 1999, occasional measurement with chalked tape by USGS personnel. Sept. 25, 1991 to Sept. 28, 1995, monthly measurement with chalked tape. Sept. 16, 1989 to Sept. 25, 1991, occasional measurement with chalked tape. Prior to Sept. 16, 1989, digital recorder, 60-minute punch.

REMARKS.--Well is located in Aquia aquifer of Paleocene age. Records provided by Virginia Department of Environmental Quality - Water Division. Water level affected by regional drawdown.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 153.20 ft below land-surface datum, May 31, 1985; lowest measured, 191.51 ft below land-surface datum, Nov. 10, 2010.

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

[Measurement method: S, steel tape. Water-level status: --, static; S, nearby site that taps the same aquifer was being pumped.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Dec 14	190.32	S	--	May 17	190.06	S	--
Feb 22	190.05	S	S	Aug 13	190.53	S	--

Water year 2012 highest: 190.06, May 17, 2012; lowest: 190.53, Aug 13, 2012

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