

Water-Data Report 2012

371311076463601 Local number 56F 1 SOW 018

Northern Atlantic Coastal Plain aquifer system
Upper Cretaceous Series

James City County, VA

LOCATION.--Lat 37°13'11", long 76°46'36" referenced to North American Datum of 1927, James City County, VA, Hydrologic Unit 02080206, 1,100 ft southwest of Colonial Parkway, 0.5 mi west of State Highway 682, and 0.6 mi north of Jamestown. Owner: U.S. Department of Interior, Colonial National Historical Park.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 346 ft. Upper casing diameter 4.00 in; top of first opening 337 ft, bottom of last opening 346 ft. Drilled unused water well, screened 337 to 346 ft.

DATUM.--Land-surface datum is 10 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF SHELF, 3.15 ft above land-surface datum, May 8, 1969, to present.

PERIOD OF RECORD.--May 1969 to current year.

GAGE.--Occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Oct. 1, 1985, to July 7, 1995, bimonthly measurement with chalked tape. Sept. 30, 1980, to Sept. 30, 1985, occasional measurement with chalked tape. Prior to Sept. 30, 1980, continuous strip-chart recorder.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.29 ft below land-surface datum, May 8, 1969; lowest measured, 102.78 ft below land-surface datum, Aug. 30, 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.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Dec 15	99.71	S	--	May 24	99.02	S	--
Feb 23	98.50	S	--	Aug 14	99.56	S	--

Water year 2012 highest: 98.50, Feb 23, 2012; lowest: 99.71, Dec 15, 2011

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