Water-Data Report 2011

372314076480402 Local number 56H 31 SOW 135B

Northern Atlantic Coastal Plain aquifer system
Quaternary System

James City County, VA

LOCATION.--Lat 37°23′13″, long 76°48′06″ referenced to North American Datum of 1927, James City County, VA, Hydrologic Unit 02080107, 100 ft south of State Highway 754, 0.2 mi east of intersection of State Highway 754 and U.S. Highway 60, and 0.5 mi north of Toano. Owner: James City Service Authority.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 30 ft. Upper casing diameter 4.00 in; top of first opening 20 ft, bottom of last opening 30 ft. Drilled unused water well, screened 20 to 30 ft.

DATUM.--Land-surface datum is 95 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF CASING, 0.95 ft below land-surface datum, May 5, 1997, to present.

PERIOD OF RECORD.--August 1979 to October 1995, May 1997 to current year. Unpublished records available prior to October 1987 in files of the Virginia Department of Environmental Quality - Water Division.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. Sept. 30, 1985, to July 10, 1995, bimonthly measurement with chalked tape. Prior to Sept. 30, 1985, occasional measurement with chalked tape.

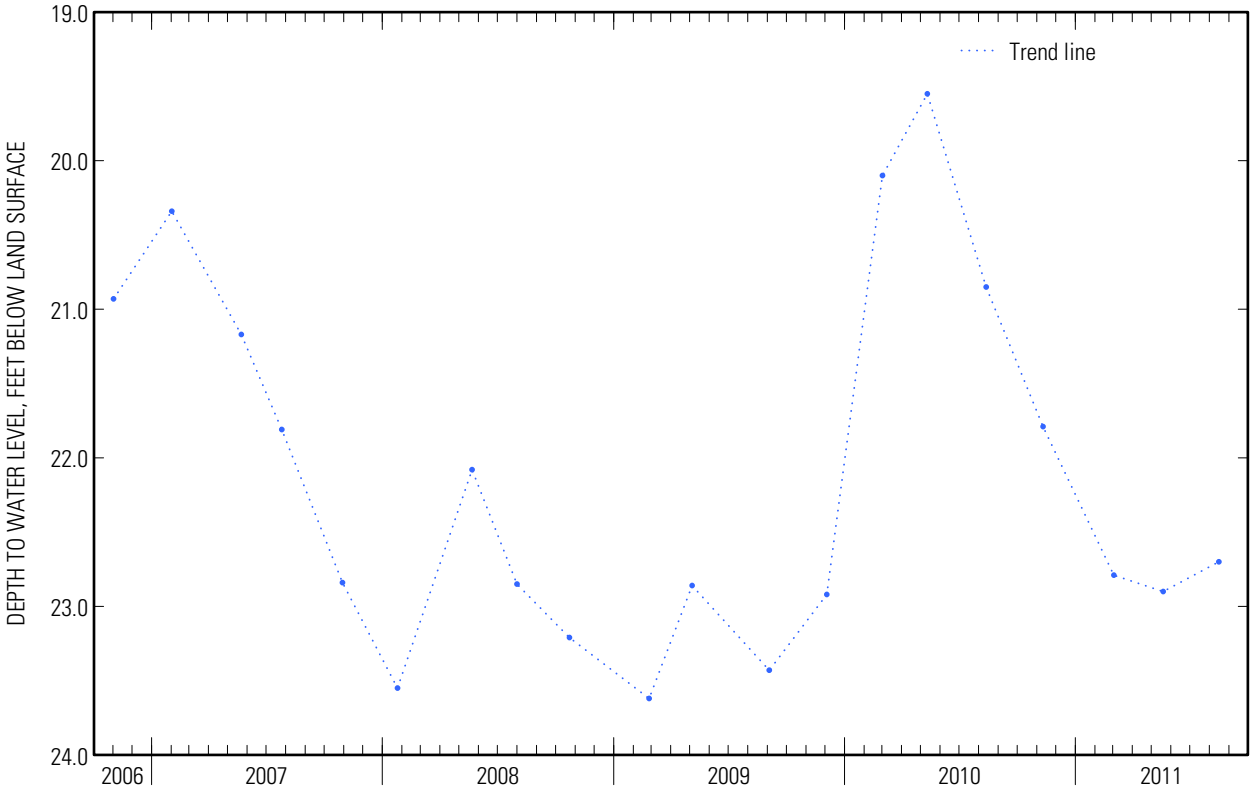
REMARKS.--Well is located in Columbia aquifer of Quaternary age. Records provided by the Virginia Department of Environmental Quality - Water Division.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.28 ft below land-surface datum, June 8, 1984; lowest measured, 24.89 ft below land-surface datum, Oct. 17, 2002.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
[Measurement method: S, steel tape. Water-level status: --, static.]

Date	Water level	Measurement method	Water-level status	Date	Water level	Measurement method	Water-level status
Nov 10	21.79	S	--	May 19	22.90	S	--
Mar 2	22.79	S	--	Aug 15	22.70	S	--

Water year 2011 highest: 21.79, Nov 10, 2010; lowest: 22.90, May 19, 2011

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 372314076480402, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/372314076480402.2011.pdf

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