



Water-Data Report 2012

384931077420301 Local number 49U 1

Early Mesozoic basin aquifers
Jurassic System

Prince William County, VA

LOCATION.--Lat 38°49'30", long 77°42'08" referenced to North American Datum of 1927, Prince William County, VA, Hydrologic Unit 02070010, 500 ft north of State Highway 55, 0.8 mi east of Thoroughfare Gap, and 3.7 mi west of Haymarket. Owner: Virginia Department of Transportation.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 345 ft. Upper casing diameter 7.00 in; top of first opening 31 ft, bottom of last opening 119 ft. Drilled observation water well, cased to 20 ft, open hole 20 to 345 ft.

DATUM.--Land-surface datum is 383 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF CASING, 2.00 ft above land-surface datum, Oct. 29, 1968, to present.

PERIOD OF RECORD.--October 1968 to current year. Unpublished records available prior to May 1969 in files of the USGS.

GAGE.--Occasional measurement with chalked tape by USGS personnel. Prior to February 1980, continuous strip-chart recorder.

REMARKS.--Well is located in Waterfall Formation of Early Jurassic age.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.59 ft below land-surface datum, Mar. 19, 1975; lowest measured, 10.33 ft below land-surface datum, Oct. 14, 1988.

**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
Oct 25	5.60	S	--	Apr 24	7.04	S	--
Jan 24	5.37	S	--	Jun 27	8.00	S	--

Water year 2012 highest: 5.37, Jan 24, 2012; lowest: 8.00, Jun 27, 2012

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