



Water-Data Report 2012

**380043078111301 Local number 45N 4**

Piedmont and Blue Ridge crystalline-rock aquifers  
Metamorphosed Volcanic and Sedimentary Rocks

Louisa County, VA

LOCATION.--Lat 38°00'45", long 78°11'14" referenced to North American Datum of 1927, Louisa County, VA, Hydrologic Unit 02080106, 0.25 mi east of U.S. Highway 15, 4.1 mi south of Boswells Tavern. Owner: Virginia Department of Corrections.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 200 ft. Upper casing diameter 6.00 in; top of first opening undefined, bottom of last opening undefined. Drilled unused water well, cased to 42 ft, open hole 42 to 200 ft.

DATUM.--Land-surface datum is 415 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF CASING, 2.30 ft above land-surface datum, Feb. 23, 1977, to present.

PERIOD OF RECORD.--February 1977 to current year.

GAGE.--Occasional measurement with chalked tape by USGS personnel.

REMARKS.--Well is located in metamorphosed sedimentary and volcanic rocks of unknown age. Water level affected by local pumpage.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.14 ft below land-surface datum, Apr. 24, 2003; lowest measured, 37.10 ft below land-surface datum, July 28, 2011.

**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 26	29.39	S	--	Apr 24	26.04	S	--
Jan 30	24.13	S	--	Jul 2	32.18	S	--

Water year 2012 highest: 24.13, Jan 30, 2012; lowest: 32.18, Jul 2, 2012

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