



Water-Data Report 2009

390101078174801 Local number 44W 14.

Valley and Ridge aquifers
Martinsburg Shale
Frederick County, VA

LOCATION.--Lat 39°01'01.20", long 78°17'48.31" referenced to North American Datum of 1983, Frederick County, VA, Hydrologic Unit 02070006, 0.28 mi northeast of the intersection of Belle Grove Road and U.S. Highway 11 and 30 ft east of U.S. Highway 11.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 515 ft. Upper casing diameter undefined; top of first opening 510 ft, bottom of last opening 511 ft. Drilled domestic water well, cased to 55 ft, open hole 55 to 515 ft.

DATUM.--Land-surface datum is 730 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF STEEL CASING (WEST SIDE), INDICATED BY BLACK ARROW, 0.70 ft above land-surface datum, Aug. 6, 2001, to present.

PERIOD OF RECORD.--August 2001 to September 2009 (discontinued).

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

REMARKS.--Well is located in Stickley Run Member of the Martinsburg Formation of Middle Ordovician age.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.00 ft below land-surface datum, May 20, 2008; lowest measured, 60.82 ft below land-surface datum, July 29, 2002.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

[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
Jan 13	14.93	S	--	Sep 22	27.27	S	--

Water year 2009 highest: 14.93 Jan 13, 2009; lowest: 27.27 Sep 22, 2009