



Water-Data Report 2009

**391605078083601 Local number 45Y 1.**

Valley and Ridge aquifers  
Conococheague Formation  
Frederick County, VA

LOCATION.--Lat 39°16'05.35", long 78°08'36.08" referenced to North American Datum of 1983, Frederick County, VA, Hydrologic Unit 02070004, 0.6 mi northwest of the intersection of Branson Spring Road and Welltown Road.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 24.22 ft. Upper casing diameter undefined; top of first opening undefined, bottom of last opening undefined. Dug domestic water well.

DATUM.--Land-surface datum is 820 ft above National Geodetic Vertical Datum of 1929. Measuring point: LIP OF CONCRETE SLAB ABOVE LSD, INDICATED BY BLACK ARROW, 1.00 ft above land-surface datum, May 31, 2001, to present.

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

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

REMARKS.--Well is located in Conococheague Limestone of Upper Cambrian to Lower Ordovician age.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.83 ft below land-surface datum, Sept. 28, 2004; lowest measured, 18.26 ft below land-surface datum, Sept. 19, 2007.

**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 15	18.02	S	--	Sep 24	18.16	S	--

Water year 2009 highest: 18.02 Jan 15, 2009; lowest: 18.16 Sep 24, 2009