



Water-Data Report 2009

390730078160801 Local number 44X 2.

Valley and Ridge aquifers
Conococheague Formation
Frederick County, VA

LOCATION.--Lat 39°07'30.36", long 78°16'08.21" referenced to North American Datum of 1983, Frederick County, VA, Hydrologic Unit 02070006, 0.8 mi northwest of the intersection of Barley Lane and Middle Road and 300 ft north of Barley Lane.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 360 ft. Upper casing diameter 6.25 in; top of first opening 128 ft, bottom of last opening 359 ft. Drilled domestic water well, cased to 99 ft, open hole 99 to 360 ft.

DATUM.--Land-surface datum is 950 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF STEEL CASING (NORTH SIDE), INDICATED BY BLACK ARROW, 1.70 ft above land-surface datum, May 30, 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, 91.55 ft below land-surface datum, Jan. 6, 2005; lowest measured, 155.45 ft below land-surface datum, Oct. 3, 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 14	137.50	S	--	Sep 23	120.90	S	--

Water year 2009 highest: 120.90 Sep 23, 2009; lowest: 137.50 Jan 14, 2009