



Water-Data Report 2009

391107078120801 Local number 45X 20.

Valley and Ridge aquifers
Conococheague Formation
Frederick County, VA

LOCATION.--Lat 39°11'07.27", long 78°12'07.93" referenced to North American Datum of 1983, Frederick County, VA, Hydrologic Unit 02070004, 110 ft southeast of County highway 37 and 715 ft northwest of the intersection of Dutton Place and Wayland Drive.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 440 ft. Upper casing diameter 8.00 in; top of first opening 250 ft, bottom of last opening 410 ft. Drilled unused water well, cased to 120 ft, open hole 120 to 440 ft.

DATUM.--Land-surface datum is 815 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF STEEL CASING TOWARDS HIGHWAY 37, 1.70 ft above land-surface datum, Dec. 19, 2002, to present.

PERIOD OF RECORD.--December 2002 to September 2009 (discontinued).

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.89 ft below land-surface datum, Mar. 27, 2003; lowest measured, 36.64 ft below land-surface datum, Jan. 16, 2008.

**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 16	35.53	S	--	Sep 23	36.42	S	--

Water year 2009 highest: 35.53 Jan 16, 2009; lowest: 36.42 Sep 23, 2009