



Water-Data Report 2012

**375922077142901 Local number 53M 1**

Northern Atlantic Coastal Plain aquifer system  
Paleocene Series

Caroline County, VA

LOCATION.--Lat 37°59'22", long 77°14'29" referenced to North American Datum of 1927, Caroline County, VA, Hydrologic Unit 02080105, at Sparta Volunteer Fire Co., 200 ft south of State Highway 721 and 50 ft west of Maracossic Creek. Owner: U.S. Geological Survey.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 110.75 ft. Upper casing diameter 2 in; top of first opening 100.75 ft, bottom of last opening 110.75 ft. Drilled observation water well, screened 100.75 ft to 110.75 ft.

DATUM.--Land-surface datum is 89 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF STEEL COVER, 1.44 ft above land-surface datum, Dec. 28, 1998, to present.

PERIOD OF RECORD.--May 1997 to current year.

GAGE.--Occasional measurement with chalked tape by USGS personnel. Prior to October 1998, monthly measurement with chalked tape.

REMARKS.--Well is located in Aquia aquifer of Paleocene age. Well drilled as part of Fall Zone ground-water study. Water level affected by regional drawdown.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.64 ft below land-surface datum, June 11, 1997; lowest measured, 70.26 ft below land-surface datum, June 26, 2012.

**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 24 | 69.58       | S                   | --                 | Apr 23 | 69.76       | S                   | --                 |
| Jan 23 | 69.68       | S                   | --                 | Jun 26 | 70.26       | S                   | --                 |

Water year 2012 highest: 69.58, Oct 24, 2011; lowest: 70.26, Jun 26, 2012

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