



Water-Data Report 2011

**385757076200101 Local number QA Ea 79**

Northern Atlantic Coastal Plain aquifer system  
Aquia Formation

Queen Annés County, MD

LOCATION.--Lat 38°57'57", long 76°20'01" referenced to North American Datum of 1927, Queen Annés County, MD, Hydrologic Unit 02060002, at Mowbray Park, Kent Island.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 298 ft. Upper casing diameter 4 in; top of first opening 288 ft, bottom of last opening 298 ft. Drilled, observation, artesian well.

DATUM.--Land-surface datum is 8.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.30 ft above land-surface datum, April 1985 to present.

PERIOD OF RECORD.--April 1985 to current year.

GAGE.--Water-level measurements by Maryland Geological Survey personnel.

REMARKS.--Kent Island Groundwater Monitoring Network observation well. Water levels are affected by local groundwater withdrawal.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.30 ft below land surface, December 2, 1985; lowest measured, 13.57 ft below land surface, August 27, 2002.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

[Measurement method: T, electric tape. Water-level status: --, static.]

Date	Water level	Measurement method	Water-level status
Apr 21	9.83	T	--
Aug 16	11.07	T	--

Water year 2011 highest: 9.83, Apr 21, 2011; lowest: 11.07, Aug 16, 2011

**385757076200101 Local number QA Ea 79—Continued****WATER-QUALITY RECORDS**

PERIOD OF RECORD.--August 1984, December 1988 to August 1994, March 1996 to current year.

COOPERATION.--Samples and field data were collected by the Maryland Geological Survey.

**WATER-QUALITY DATA****WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

[mg/L, milligrams per liter; °C, degrees Celsius;  $\mu$ S/cm, microsiemens per centimeter]

<b>Date</b>	<b>Sample start time</b>	<b>Medium name</b>	<b>Sample type</b>	<b>pH, water, unfiltered, field, standard units (00400)</b>	<b>Specific conductance, water, unfiltered, <math>\mu</math>S/cm at 25 °C (00095)</b>	<b>Temperature, water, °C (00010)</b>	<b>Sampling method (82398)</b>	<b>Chloride, water, filtered, mg/L (00940)</b>
08-11-2011	0800	Groundwater	Regular	8.9	369	16.4	Submersible pump	1.44