

Water-Data Report 2011

390201076182701 Local number QA Db 30

Northern Atlantic Coastal Plain aquifer system
Aquia Formation

Queen Annés County, MD

LOCATION.--Lat 39°02'01", long 76°18'27" referenced to North American Datum of 1927, Queen Annés County, MD, Hydrologic Unit 02060002, north side of Pier Avenue, 0.5 mi south of Love Point.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 220 ft. Upper casing diameter 4 in; top of first opening 210 ft, bottom of last opening 220 ft. Drilled, observation, water-table well (semi-confined).

DATUM.--Land-surface datum is 17.8 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 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, 15.59 ft below land surface, April 9, 1993; lowest measured, 18.37 ft below land surface, March 3, 1995.

**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	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Apr 21	16.63	T	--	Sep 26	16.38	T	--
Aug 10	16.30	T	--				

Water year 2011 highest: 16.30, Aug 10, 2011; lowest: 16.63, Apr 21, 2011

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1984, December 1988 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; µS/cm, microsiemens per centimeter]

Date	Sample start time	Medium name	Sample type	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, water, °C (00010)	Sampling method (82398)	Chloride, water, filtered, mg/L (00940)
08-10-2011	1000	Groundwater	Regular	6.5	18,200	16.7	Submersible pump	6,630