



Water-Data Report 2011

385922076100801 Local number QA Ec 102

Northern Atlantic Coastal Plain aquifer system
Matawan Formation

Queen Annés County, MD

LOCATION.--Lat 38°59'22", long 76°10'08" referenced to North American Datum of 1927, Queen Annés County, MD, Hydrologic Unit 02060002.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 644 ft. Upper casing diameter 4 in; top of first opening 624 ft, bottom of last opening 644 ft.

DATUM.--Land-surface datum is 18 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--Intermittent water-quality samples collected from Water Year 1998 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**

Part 1 of 2

[°C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter]

| 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) | Sampler type (84164) | Sampling method (82398) |
|------------|-------------------|-------------|-------------|--|---|--------------------------------|----------------------|-------------------------|
| 06-24-2011 | 1052 | Groundwater | Regular | 8.1 | 211 | 18.0 | Sbmrsbl pos pressure | Submersible pump |

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

Part 2 of 2

[°C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter]

| Date | Sample start time | Arsenic, water, unfiltered, µg/L (01002) |
|------------|-------------------|--|
| 06-24-2011 | 1052 | .15 |