



Water-Data Report 2009

385327076301501 Local number AA Ee 106

Northern Atlantic Coastal Plain aquifer system
 Aquia Formation
 Anne Arundel County, MD

LOCATION.--Lat 38°53'27", long 76°30'15" referenced to North American Datum of 1983, Anne Arundel County, MD, Hydrologic Unit 02060004.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 87 ft. Upper casing diameter 4 in; top of first opening 80 ft, bottom of last opening 87 ft.

PERIOD OF RECORD.--Intermittent water-quality samples collected from Water Year 2009 to current year.

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

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 1 of 6

[Remark codes: <, less than; E, estimated.]

Date	Time	Medium name	Sample type	Dis-solved oxygen, mg/L (00300)	Flow rate, instantaneous gal/min (00059)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf μS/cm @ 25 degC (00095)	Temperature, water, deg C (00010)
Mar 10...	1500	Groundwater	Regular	<2	E1.5	7.4	313	13.7

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 2 of 6

[Remark codes: <, less than; E, estimated.]

Date	Pump or flow period prior to sampling, minutes (72004)	Sam-pling method, code (82398)	Dis-solved solids dried @ 180degC wat flt mg/L (70300)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Alka-linity, wat flt inf tit field, mg/L as CaCO3 (39086)	Bicar-bonate, wat flt infl pt titr., field, mg/L (00453)
Mar 10...	25	Spigot	207	140	53.6	1.80	4.04	2.12	147	134	163

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 6

[Remark codes: <, less than; E, estimated.]

Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate, water, fltrd, mg/L (00945)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrate + Nitrite		Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L as P (00666)	Aluminum, water, fltrd, μg/L (01106)	Barium, water, fltrd, μg/L (01005)	Beryllium, water, fltrd, μg/L (01010)
						water, fltrd, mg/L (00631)	water, fltrd, mg/L (00613)						
Mar 10...	4.93	.17	35.7	1.14	2.05	<.04	.011	2.07	.676	.69	<4	25.1	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 4 of 6

[Remark codes: <, less than; E, estimated.]

Date	Cadmium, water, fltrd, μg/L (01025)	Chromium, water, fltrd, μg/L (01030)	Cobalt, water, fltrd, μg/L (01035)	Copper, water, fltrd, μg/L (01040)	Iron, water, fltrd, μg/L (01046)	Iron, water, unfltrd recoverable, μg/L (01045)	Lead, water, fltrd, μg/L (01049)	Lithium, water, fltrd, μg/L (01130)	Manganese, water, fltrd, μg/L (01056)	Manganese, water, unfltrd recoverable, μg/L (01055)	Molybdenum, water, fltrd, μg/L (01060)	Nickel, water, fltrd, μg/L (01065)	Silver, water, fltrd, μg/L (01075)

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 5 of 6

[Remark codes: <, less than; E, estimated.]

Date	Strontium, water, fltrd, μg/L (01080)	Thallium, water, fltrd, μg/L (01057)	Vanadium, water, fltrd, μg/L (01085)	Zinc, water, fltrd, μg/L (01090)	Antimony, water, fltrd, μg/L (01095)	Arsenate, water, fltrd, μg/L as As (62453)	Arsenic, water, fltrd, μg/L (01000)	Arsenite, water, fltrd, μg/L as As (62452)	Boron, water, fltrd, μg/L (01020)	Selenium, water, fltrd, μg/L (01145)	Dimethylarsinate, water, fltrd, μg/L as As (62455)	Monomethylarsonate, water, fltrd, μg/L as As (62454)	Organic carbon, water, unfltrd, mg/L (00680)

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**WATER-QUALITY
DATA
WATER YEAR
OCTOBER 2008 TO
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Part 6 of 6

[Remark codes:
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E, estimated.]

Date	Uranium natural water, flt'd, µg/L (22703)
Mar	
10...	<.006
