Water-Data Report 2011

384254075390801 Local number 53219

Northern Atlantic Coastal Plain aquifer system
Beaverdam Sand

Sussex County, DE

LOCATION.--Lat 38°42'54.4", long 75°39'08.4" referenced to North American Datum of 1983, Sussex County, DE, Hydrologic Unit 02060008.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 80 ft. Upper casing diameter 4 in; top of first opening 70 ft, bottom of last opening 80 ft.

PERIOD OF RECORD.--June 2011.

REMARKS.--This well was developed, sampled, and then removed.

COOPERATION.--The Delaware Department of Natural Resources collected the samples and performed the laboratory analysis.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 3

[$CaCO_3$, calcium carbonate; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Medium name	Sample type	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, water, °C (00010)	Hardness, water, mg/L as $CaCO_3$ (00900)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)
06-29-2011	**0815**	Groundwater	Regular	5.5	5.4	96	14.7	15.7	4.63	1.01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 3

[$CaCO_3$, calcium carbonate; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as $CaCO_3$ (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)	Bromide, water, filtered, mg/L (71870)	Chloride, water, filtered, mg/L (00940)	Silica, water, filtered, mg/L as SiO_2 (00955)	Sulfate, water, filtered, mg/L (00945)
06-29-2011	**0815**	1.32	10.7	9	15	< .5	8.0	23.9	2.3

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 384254075390801, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/384254075390801.2011.pdf

384254075390801 Local number 53219—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 3

[$CaCO_3$, calcium carbonate; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Phos-phorus, water, filtered, mg/L as P (00666)	Iron, water, filtered, µg/L (01046)
06-29-2011	**0815**	< .010	4.01	.013	< .100