



Water-Data Report 2011

384242075376001 Local number 71170

Northern Atlantic Coastal Plain aquifer system
Beaverdam Sand

Sussex County, DE

LOCATION.--Lat 38°42'41.9", long 75°37'59.8" referenced to North American Datum of 1983, Sussex County, DE, Hydrologic Unit 02060008.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 55 ft. Upper casing diameter 2 in; top of first opening 50 ft, bottom of last opening 55 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

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, 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	0750	Groundwater	Regular	3.7	4.8	177	15.3	51.5	15.8	2.93

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

Part 2 of 3

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, 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	0750	3.46	7.83	6	9	< .5	19.0	20.6	< .8

384242075376001 Local number 71170—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 3

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, 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	0750	.023	10.8	.014	< 1