



Water-Data Report 2010

01464502 CROSSWICKS CREEK NEAR ALLENTOWN, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°08'29", long 74°36'59" referenced to North American Datum of 1983, Hamilton Township, Mercer County, NJ, Hydrologic Unit 02040201, at bridge on Iron Bridge Road, 0.3 mi downstream of Pleasant Run, 1.8 mi northwest of Ellisdale, and 3.0 mi southwest of Allentown.

DRAINAGE AREA.--85.20 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2009 to September 2010 (discontinued).

PERIOD OF DAILY RECORD.--

DISSOLVED OXYGEN, in mg/L: June-August 2009.

DISSOLVED OXYGEN, in Percent of Saturation: June-August 2009.

pH: June-August 2009.

SPECIFIC CONDUCTANCE: June-August 2009.

WATER TEMPERATURE: June-August 2009.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 1 of 2

[%, percent; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; E, estimated]

Date	Sample start time	Barometric pressure, mm Hg (00025)	Temperature, air, °C (00020)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, μS/cm at 25 °C (00095)	Temperature, water, °C (00010)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)
09-08-2010	1145	752	30.5	7.8	90	7.4	228	21.4	18

01464502 CROSSWICKS CREEK NEAR ALLENTOWN, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 2 of 2

[%, percent; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μ S/cm, microsiemens per centimeter; μ g/L, micrograms per liter; E, estimated]

Date	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Phosphorus, water, filtered, mg/L as P (00666)	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, unfiltered , mg/L (00600)	Chloro- phyll a, phyto- plankton, chromato- graphic- fluoro- metric method, μ g/L (70953)	Pheo- phytin a, phyto- plankton, μ g/L (62360)	Organic carbon, water, filtered, mg/L (00681)	Organic carbon, water, unfiltered, mg/L (00680)
09-08-2010	.40	E .023	.19	.041	.199	.59	8.4	E 3.1	2.9	6.2