



Water-Data Report 2010

0146450250 CROSSWICKS CREEK AT CHURCH STREET, AT CROSSWICKS, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°09'20", long 74°38'52" referenced to North American Datum of 1983, Chesterfield Township, Burlington County, NJ, Hydrologic Unit 02040201, at bridge on Church Street at Crosswicks, 3.1 mi northeast of Bordentown, and 3.7 mi upstream of Doctors Creek.

DRAINAGE AREA.--93.6 mi².

WATER-QUALITY RECORDS

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

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; <, less than; 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)
09-09-2010	1030	751	29.1	7.9	87	7.3	222	20.1	5.6

**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; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; 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)	Chlorophyll a, phytoplankton, chromatographic-fluorometric method, μg/L (70953)	Pheophytin a, phytoplankton, μg/L (62360)	Organic carbon, water, filtered, mg/L (00681)	Organic carbon, water, unfiltered, mg/L (00680)
09-09-2010	.22	< .040	.32	.036	.057	.54	E .4	E .5	2.7	3.8