



Water-Data Report 2010

01464400 CROSSWICKS CREEK AT NEW EGYPT, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°04'03", long 74°31'56" referenced to North American Datum of 1983, Plumstead Township, Ocean County, NJ, Hydrologic Unit 02040201, at bridge on Main Street (County Route 528) in New Egypt, 300 ft downstream from dam on Oakford Lake, and 2.0 mi northeast of Cookstown.

DRAINAGE AREA.--41.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Annual maximum, water years 1968-94. Miscellaneous measurements, water years 2007-10.

GAGE.--Reference point only.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Date	Discharge, in ft³/s
Dec 3, 2009	377

01464400 CROSSWICKS CREEK AT NEW EGYPT, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2007 to September 2010 (discontinued).

PERIOD OF DAILY RECORD.--

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

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

pH: July-August 2009.

SPECIFIC CONDUCTANCE: July-August 2009.

WATER TEMPERATURE: July-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; <, 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)
09-08-2010	1200	755	32.0	6.2	74	7.5	288	24.1	8.4

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)
09-08-2010	.45	E .027	< .04	.014	.071	< .48	9.0	9.1	3.8	5.4