



Water-Data Report 2011

**01409412 HAMMONTON CREEK AT ROUTE 30, AT HAMMONTON, NJ**

MULLICA RIVER BASIN

LOCATION.--Lat 39°37'53", long 74°46'16" referenced to North American Datum of 1983, Hammonton Town, Atlantic County, NJ, Hydrologic Unit 02040301, at bridge on U.S. Route 30 in Hammonton, at outlet of Hammonton Lake, and 2.0 mi west of Wescoatville.

DRAINAGE AREA.--2.54 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Miscellaneous measurements, water years 1974, 1994, 2004-11.

GAGE.--Reference point only.

**DISCHARGE MEASUREMENTS  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>
Oct 7, 2010	2.58

## 01409412 HAMMONTON CREEK AT ROUTE 30, AT HAMMONTON, NJ—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974, 1976, 1977-78, 2008 to current year.

PERIOD OF DAILY RECORD.--

DISSOLVED OXYGEN, in mg/L: June-September 2009, June-October 2010.

DISSOLVED OXYGEN, in Percent of Saturation: June-September 2009, June-October 2010.

pH: June-September 2009, June-October 2010.

SPECIFIC CONDUCTANCE: June-September 2009, June-October 2010.

WATER TEMPERATURE: June-September 2009, June-October 2010.

REMARKS.--The accuracy of continuous water-quality data was verified through simultaneous measurements of a similar instrument recorded at time of deployment and retrieval.

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 2010 TO SEPTEMBER 2011**

Part 1 of 3

[%, percent; ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; ft<sup>3</sup>/s, cubic feet per second; 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)	Discharge, instantaneous, ft <sup>3</sup> /s (00061)	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)
10-07-2010	0915	760	20.0	2.6	9.2	92	7.0	129	15.7

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

Part 2 of 3

[%, percent; ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; ft<sup>3</sup>/s, cubic feet per second; 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	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Dissolved solids dried at 180 °C, water, filtered, mg/L (70300)	ANC, water, unfiltered, fixed endpoint (pH 4.5) titration, laboratory, mg/L as CaCO <sub>3</sub> (90410)	Chloride, water, filtered, mg/L (00940)	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)
10-07-2010	0915	6.8	74	15	27.7	.63	.191	.06	<.01

## 01409412 HAMMONTON CREEK AT ROUTE 30, AT HAMMONTON, NJ—Continued

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

Part 3 of 3

[%, percent; ANC, acid neutralizing capacity; CaCO<sub>3</sub>, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; ft<sup>3</sup>/s, cubic feet per second; 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	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)	Iron, water, unfiltered, recoverable, µg/L (01045)	Boron, water, unfiltered, recoverable, µg/L (01022)	Organic carbon, water, unfiltered, mg/L (00680)
10-07-2010	0915	.03	.69	E 2.3	E 4.1	1,150	17	7.1

01409412 HAMMONTON CREEK AT ROUTE 30, AT HAMMONTON, NJ—Continued

WATER-QUALITY-MONITOR VALUES AT 01409412, HAMMONTON CREEK AT ROUTE 30,  
AT HAMMONTON, NJ FROM  
OCTOBER 06, 2010 TO OCTOBER 08, 2010

