



Water-Data Report 2009

**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 dam, and 2.0 mi northeast of Cookstown.

DRAINAGE AREA.--41.2 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Annual maximum, water years 1968-94. Miscellaneous measurements, water years 2007-09.

GAGE.--Reference point only.

**DISCHARGE MEASUREMENTS  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>
Aug 21, 2009	11.3

## 01464400 CROSSWICKS CREEK AT NEW EGYPT, NJ—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2007-09.

PERIOD OF DAILY RECORD.--

DISSOLVED OXYGEN: July-August 2009.

DISSOLVED OXYGEN, PERCENT OF SATURATION: July-August 2009.

pH: July-August 2009.

SPECIFIC CONDUCTANCE: July-August 2009.

WATER TEMPERATURE: July-August 2009.

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 2008 TO SEPTEMBER 2009

Part 1 of 2

Date	Time	Baro- metric pres- sure, mm Hg (00025)	Temper- ature, air, deg C (00020)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd std units (00400)	Specif- ic conduc- tance, wat unfltrd μS/cm @ 25 degC (00095)	Temper- ature, water, deg C (00010)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Phos- phorus, water, fltrd, mg/L as P (00666)
Jul 09...	1305	766	24.5	5.7	66	6.7	184	22.9	21	.95	.148	.23	.057
Sep 09...	1200	782	22.0	7.0	78	6.8	172	20.9	21	.66	.100	.30	.036

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 2

Date	Phos- phorus, water, unfltrd mg/L as P (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Chloro- phyll a phyto- plank- ton, fluoro, μg/L (70953)	Pheo- phytin a, phyto- plank- ton, μg/L (62360)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)
Jul 09...	.156	1.2	6.9	7.2	16.0	--
Sep 09...	.122	.96	9.6	5.0	8.9	11.4

01464400 CROSSWICKS CREEK AT NEW EGYPT, NJ—Continued

WATER-QUALITY-MONITOR VALUES RECORDED EVERY FIFTEEN MINUTES  
JULY 29, 2009 TO AUGUST 3, 2009

