



Water-Data Report 2009

01464430 CROSSWICKS CREEK NEAR HORNERSTOWN, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°06'08", long 74°32'39" referenced to North American Datum of 1983, Upper Freehold Township, Monmouth County, NJ, Hydrologic Unit 02040201, at bridge on Arneytown-Hornerstown Road, 1.2 mi east of Arneytown, 1.5 mi southwest of Hornerstown, and 2.7 mi upstream from Miry Run.

DRAINAGE AREA.--49.8 mi².

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

DISSOLVED OXYGEN: September 2009.

DISSOLVED OXYGEN, PERCENT OF SATURATION: September 2009.

pH: September 2009.

SPECIFIC CONDUCTANCE: September 2009.

WATER TEMPERATURE: September 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 field, std units (00400)	Specif- ic conduc- tance, wat unf μS/cm @ 25 degC (00095)	Temper- ature, 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...	1000	--	25.0	6.7	73	7.0	201	20.0	25	.87	.101	.40	.084
Sep													
09...	0915	761	22.0	7.7	83	7.0	199	19.1	22	.53	.066	.45	.048

01464430 CROSSWICKS CREEK NEAR HORNERSTOWN, NJ—Continued

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)
Jul 09...	.259	1.3	1.1	4.6	12.3
Sep 09...	.209	.99	.9	3.7	--

01464430 CROSSWICKS CREEK NEAR HORNERSTOWN, NJ—Continued

WATER-QUALITY-MONITOR VALUES RECORDED EVERY FIFTEEN MINUTES
SEPTEMBER 8, 2009 TO SEPTEMBER 11, 2009

