



Water-Data Report 2009

01464502 CROSSWICKS CREEK NEAR ALLENTOWN, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°08'29", long 74°36'59" referenced to North American Datum of 1983, Hamilton Township, Mercer County, NJ, Hydrologic Unit 02040201, at bridge on Iron Bridge Road, 0.3 mi downstream of Pleasant Run, 1.8 mi northwest of Ellisdale, and 3.0 mi southwest of Allentown.

DRAINAGE AREA.--85.20 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.—Water years 2008-09.

PERIOD OF DAILY RECORD.--

DISSOLVED OXYGEN: July-August 2008, June-August 2009.

DISSOLVED OXYGEN, PERCENT OF SATURATION: July-August 2008, June-August 2009.

pH: July-August 2008, June-August 2009.

SPECIFIC CONDUCTANCE: July-August 2008, June-August 2009.

WATER TEMPERATURE: July-August 2008, June-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

[Remark codes: E, estimated.]

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 10...	1015	--	24.0	8.1	87	7.2	193	18.6	11	.37	E.038	.40	.070
Sep 09...	0945	761	20.0	8.4	91	7.1	182	19.0	10	.29	E.017	.41	.060

01464502 CROSSWICKS CREEK NEAR ALLENTOWN, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

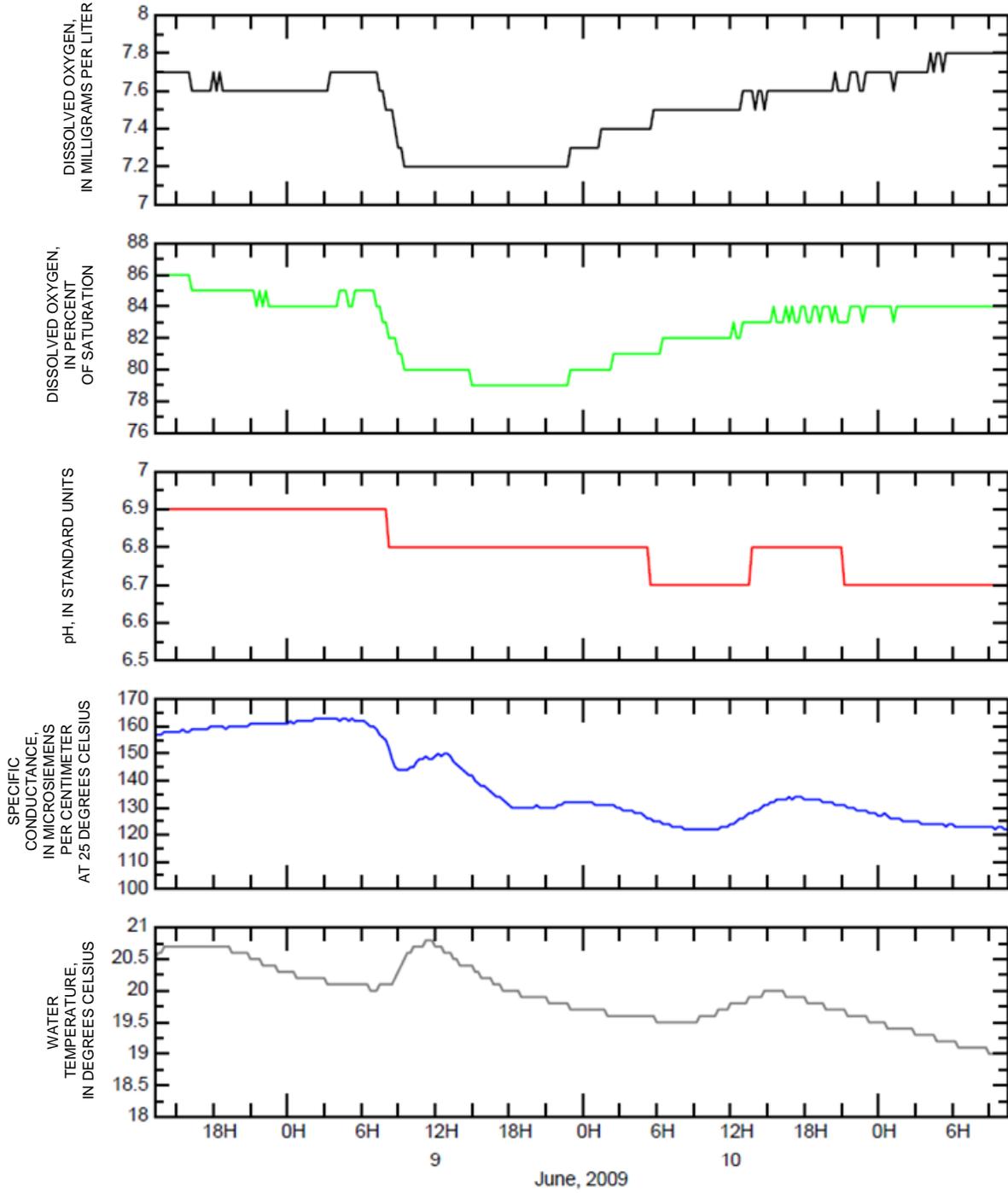
Part 2 of 2

[Remark codes: E, estimated.]

Date	Phos- phorus, water, unfiltrd mg/L as P (00665)	Total nitro- gen, water, unfiltrd 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, filtrd, mg/L (00681)	Organic carbon, water, unfiltrd mg/L (00680)
Jul						
10...	.117	.77	.3	.6	7.6	--
Sep						
09...	.103	.70	.1	.2	6.2	7.3

01464502 CROSSWICKS CREEK NEAR ALLENTOWN, NJ—Continued

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



01464502 CROSSWICKS CREEK NEAR ALLENTOWN, NJ—Continued

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

