



Water-Data Report 2009

01464485 CROSSWICKS CREEK NEAR ELLISDALE, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°07'59", long 74°33'37" referenced to North American Datum of 1983, Upper Freehold Township, Monmouth County, NJ, Hydrologic Unit 02040201, at bridge on Walnford Road, 300 ft downstream from Walnford Mill impoundment, 1.3 mi east of Ellisdale, and 3.3 mi southeast of Allentown.

DRAINAGE AREA.--78.3 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 2007-09.

GAGE.--None.

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

Date	Discharge, in ft³/s
Aug 18, 2009	31.1

01464485 CROSSWICKS CREEK NEAR ELLISDALE, NJ—Continued

WATER-QUALITY RECORDS

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

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 un- f 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...	1400	--	25.0	7.5	82	7.2	193	19.9	13	.40	.042	.36	.065
Sep 09...	1100	761	22.0	8.1	88	7.1	184	19.3	10	.35	.026	.37	.054

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 2

[Remark codes: E, estimated.]

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...	.130	.76	E.4	E1.0	8.4	--
Sep 09...	.091	.72	.2	.9	6.4	8.0