



Water-Data Report 2009

**01464523 BACK CREEK AT YARDVILLE, NJ**

DELAWARE RIVER BASIN

LOCATION.--Lat 40°11'31", long 74°39'55" referenced to North American Datum of 1983, Hamilton Township, Mercer County, NJ, Hydrologic Unit 02040201, at bridge on Yardville-Hamilton Square Road, 0.7 mi north of Yardville, 0.6 mi downstream from Edges Brook, and 4.4 mi northwest of Allentown.

DRAINAGE AREA.--6.51 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--July-September 2009.

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, of sat- uration percent (00301)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf 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 13...	0930	--	24.0	7.4	81	7.0	351	19.5	14	.58	.082	.48	.028
Sep 10...	1215	759	20.0	7.6	81	6.8	459	17.9	13	.28	.047	.68	.009

**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 13...	.091	1.1	3.7	2.1	6.0	--
Sep 10...	.027	.95	1.5	1.1	--	4.6