



Water-Data Report 2008

01393300 ELIZABETH RIVER ABOVE WEST BRANCH, AT HILLSIDE, NJ

ELIZABETH RIVER BASIN

LOCATION.--Lat 40°41'42", long 74°14'24" referenced to North American Datum of 1983, Hillside Township, Union County, NJ, Hydrologic Unit 02030104, 430 ft west from Marcella Drive, 0.2 mi upstream from West Branch Elizabeth River, and 0.7 mi southwest from Hillside.

DRAINAGE AREA.--10.3 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2003, 2005-08.

REMARKS.--Cooperative Network Site Descriptor: Trace Element Assessment (303d) special study site.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the NJ Department of Environmental Protection.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 2

[QC, quality control sample. Remark codes: <, less than.]

Date	Time	Sample medium and type	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Baro- metric pres- sure, mm Hg (00025)	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, air, deg C (00020)
Oct									
11...	1100	Surface water, regular	1.7	750	5.9	62	7.9	899	19.2
Jan									
08...	0730	QC - Artificial, blank	--	--	--	--	--	--	--
08...	0800	Surface water, regular	1.7	766	8.4	72	8.2	988	9.5
Apr									
02...	1015	QC - Artificial, blank	--	--	--	--	--	--	--
02...	1030	Surface water, regular	12	768	8.9	80	7.9	564	10.0
Jun									
18...	0830	QC - Artificial, blank	--	--	--	--	--	--	--
18...	0845	Surface water, regular	2.9	757	5.8	61	8.0	894	20.5

01393300 ELIZABETH RIVER ABOVE WEST BRANCH, AT HILLSIDE, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO
SEPTEMBER 2008

Part 2 of 2

[QC, quality control sample. Remark codes:
 <, less than.]

Date	Temper- ature, water, deg C (00010)	Mercury water, filtrd, µg/L (71890)	Mercury water, unfitrd recover- able, µg/L (71900)
Oct			
11...	18.2	<.010	<.010
Jan			
08...	--	<.010	--
08...	8.6	<.010	<.010
Apr			
02...	--	<.010	--
02...	10.2	<.010	.011
Jun			
18...	--	<.010	--
18...	17.3	<.010	<.010