



Water-Data Report 2006

**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.

DRAINAGE AREA.--12 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 2003, 2005 to current year.

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 New Jersey Department of Environmental Protection.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 1 of 3

[Remark codes: <, less than.]

Date	Time	Turbidity white light, 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 std units (00400)	Specif. conduc- tance, wat unfl- trd uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Arsenic water, fltrd, ug/L (01000)
May 12...	1130	8.9	752	7.1	74	7.5	441	17.5	16.4	96	31.2	4.39	1.1

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 2 of 3

[Remark codes: <, less than.]

Date	Arsenic water unfltrd ug/L (01002)	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chrom- ium, water, fltrd, ug/L (01030)	Chrom- ium, water, unfltrd recover- able, ug/L (01034)	Copper, water, fltrd, ug/L (01040)	Copper, water, unfltrd recover- able, ug/L (01042)	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover- able, ug/L (01051)	Mercury water, fltrd, ug/L (71890)	Mercury water, unfltrd recover- able, ug/L (71900)	Nickel, water, fltrd, ug/L (01065)	Nickel, water, unfltrd recover- able, ug/L (01067)
May 12...	1.4	.14	.24	.72	1.4	9.3	13.7	1.25	7.74	<.010	.013	3.04	3.60

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

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 3 of 3

[Remark codes: <, less than.]

<b>Date</b>	<b>Selen- ium, water, flt'd, ug/L (01145)</b>	<b>Selen- ium, water, unflt'd ug/L (01147)</b>	<b>Silver, water, flt'd, ug/L (01075)</b>	<b>Silver, water, unflt'd recover -able, ug/L (01077)</b>	<b>Zinc, water, flt'd, ug/L (01090)</b>	<b>Zinc, water, unflt'd recover -able, ug/L (01092)</b>
<b>May 12...</b>	.49	.48	<.2	<.16	34.6	39