

Water-Data Report 2007

01396030 SOUTH BRANCH RAHWAY RIVER AT COLONIA, NJ

RAHWAY RIVER BASIN

LOCATION.--Lat 40°34'57", long 74°18'03" referenced to North American Datum of 1983, Woodbridge Township, Middlesex County, NJ, Hydrologic Unit 02030104, at bridge on Dover Road, 200 ft northwest from Chain O Hills Road, 0.5 mi north from Colonia, and 1.8 mi upstream from mouth.

DRAINAGE AREA.--9.31 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2001-02, 2005-07.

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 2006 TO SEPTEMBER 2007**

Part 1 of 3

[Remark codes: <, less than; E, estimated.]

Date	Time	Sample type	Turbidity white light, det ang 90+/-30 corctd 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 (00095)	Temper- ature, air, deg C (25 degC)	Temper- ature, water, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO ₃ (00900)	Calcium water, filtrd, mg/L (00915)
Dec													
12...	1000	Trip Blank	--	--	--	--	--	--	--	--	--	--	
12...	1015	Field Blank	--	--	--	--	--	--	--	--	--	<.02	
12...	1030	Environmental	5.6	775	11.8	94	7.8	685	11.0	6.1	220	63.1	
Sep													
18...	0915	Field Blank	--	--	--	--	--	--	--	--	--	--	
18...	0930	Environmental	2.8	772	9.3	93	7.9	648	12.0	15.3	--	--	

01396030 SOUTH BRANCH RAHWAY RIVER AT COLONIA, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 3

[Remark codes: <, less than; E, estimated.]

Date	Magnes- ium, water, fltrd, mg/L (00925)	Arsenic water, fltrd, µg/L (01000)	Arsenic water, unfltrd, µg/L (01002)	Beryll- ium, water, fltrd, µg/L (01010)	Beryll- ium, unfltrd recover- able, µg/L (01012)	Cadmium water, fltrd, µg/L (01025)	Cadmium water, unfltrd, µg/L (01027)	Chrom- ium, water, fltrd, µg/L (01030)	Chrom- ium, unfltrd recover- able, µg/L (01034)	Copper, water, fltrd, µg/L (01040)	Copper, water, recover- able, µg/L (01042)	Lead, water, fltrd, µg/L (01049)	Lead, unfltrd recover- able, µg/L (01051)
Dec													
12...	--	--	<.20	--	<.06	--	<.02	--	<.60	--	<1.2	--	<.06
12...	<.014	<.12	--	<.06	--	<.04	--	<.12	--	<.40	--	<.12	--
12...	14.2	.38	.64	<.06	<.06	E.02	.02	E.08	E.37	2.7	2.5	E.11	.74
Sep													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 3

[Remark codes: <, less than; E, estimated.]

Date	Mercury water, unfltrd recover- able, µg/L (71890)	Nickel, water, fltrd, µg/L (71900)	Nickel, unfltrd recover- able, µg/L (01065)	Selen- ium, water, recover- able, µg/L (01067)	Selen- ium, water, fltrd, µg/L (01145)	Selen- ium, unfltrd recover- able, µg/L (01147)	Zinc, water, unfltrd recover- able, µg/L (01090)	
Dec								
12...	--	<.010	--	<.16	--	<.08	--	2
12...	<.010	--	<.06	--	<.08	--	<.60	--
12...	<.010	<.010	1.4	2.05	.17	.20	6.2	8
Sep								
18...	<.010	--	--	--	--	--	--	--
18...	<.010	<.010	--	--	--	--	--	--