

01394200 RAHWAY RIVER AT MORRIS AVENUE, AT SPRINGFIELD, NJ

LOCATION.--Lat 40°42'28", long 74°18'07", Union County, Hydrologic Unit 02030104, at bridge on Morris Avenue (State Route 82), 0.7 mi east of Springfield, 1.2 mi south of Millburn, and 4.2 mi upstream from Nomahegan Brook.

DRAINAGE AREA.--25.5 mi².

PERIOD OF RECORD.--November 2002 to August 2003.

REMARKS.--Total nitrogen (00600) equals the sum of dissolved ammonia plus organic nitrogen (00623), dissolved nitrite plus nitrate nitrogen (00631), and total particulate nitrogen (49570).

COOPERATION.--Field data and samples for laboratory analyses were provided by the New Jersey Department of Environmental Protection. Determination of dissolved ammonia, total ammonia, dissolved nitrite, dissolved orthophosphate, biochemical oxygen demand, total suspended solids, total ammonia + organic nitrogen in bed sediment, total phosphorus in bed sediment, fecal coliform, E. coli, and enterococcus bacteria was performed by the New Jersey Department of Health and Senior Services, Public Health and Environmental Laboratories, Environmental and Chemical Laboratory Services. Determination of chlorophyll a was performed by the New Jersey Department of Environmental Protection, Bureau of Freshwater and Biological Monitoring Laboratory.

COOPERATIVE NETWORK SITE DESCRIPTOR.--Statewide Status, New Jersey Department of Environmental Protection Watershed Management Area 7.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Turbidity, water, unfltrd field, NTU (61028)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
NOV 19...	0900	3.8	0.182	0.140	768	10.2	83	7.7	414	12.0	7.0	130	37.1
FEB 26...	1000	4.3	0.100	0.076	770	11.0	75	7.9	862	-1.3	0.1	170	52.4
MAY 14...	1000	3.6	0.067	0.051	756	7.6	--	7.5	--	14.3	12.4	210	63.1
AUG 28...	0900	4.7	0.076	0.058	762	4.6	51	7.2	658	22.7	20.2	230	70.1

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)
NOV 19...	8.28	2.20	35.3	E74	69.9	<0.17	13.2	24.2	--	268	8	0.37	0.035
FEB 26...	10.5	2.30	126	85	234	<0.17	13.3	25.6	523	542	4	0.33	0.107
MAY 14...	12.9	2.55	81.0	164	182	<0.17	13.7	28.6	487	520	6	0.33	0.131
AUG 28...	14.1	2.73	61.3	118	143	<0.17	13.9	30.3	411	467	4	0.34	0.138

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)
NOV 19...	0.043	1.34	0.009	0.038	0.17	0.042	0.081	1.7	1.9	0.8	<0.1	0.8	5.3
FEB 26...	0.101	1.66	0.011	0.043	0.07	0.030	0.063	2.0	2.1	0.5	<0.1	0.5	3.2
MAY 14...	0.113	1.22	<0.003	0.023	0.12	0.021	0.082	1.6	1.7	0.5	<0.1	0.5	2.4
AUG 28...	0.134	1.02	0.026	0.023	0.11	0.025	0.025	1.4	1.5	0.7	<0.1	0.7	2.7

01394200 RAHWAY RIVER AT MORRIS AVENUE, AT SPRINGFIELD, NJ—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Chloro- phyll a fluoro- metric method, corrctd ug/L (32209)	Boron, water, fltrd, ug/L (01020)
NOV 19...	E1.3	--	52
FEB 26...	E1.8	--	47
MAY 14...	<1.0	10.1	61
AUG 28...	E1.1	4.90	77

Remark codes used in this table:

< -- Less than

E -- Estimated value

WATER-COLUMN TRACE-ELEMENT ANALYSES

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	pH bed sedimnt std units (70310)	Ammonia + org-N, bed sed total, mg/kg as N (00626)	Phos- phorus, bed sedimnt total, mg/kg (00668)	Total carbon, bed sedimnt total, g/kg (00693)	Inor- ganic carbon, bed sedimnt total, g/kg (00686)	Arsenic water unfltrd ug/L (01002)	Barium, water, unfltrd recover -able, ug/L (01007)	Beryll- ium, water, unfltrd recover -able, ug/L (01012)	Boron, water, unfltrd recover -able, ug/L (01022)	Cadmium water, unfltrd ug/L (01027)	Chrom- ium, water, unfltrd recover -able, ug/L (01034)	Copper, water, unfltrd recover -able, ug/L (01042)
AUG 28...	0900	--	--	--	--	--	<2	142	<0.06	71	E.03	0.9	3.4
28...	0900	6.93	330	4,400	12	0.7	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Iron, water, unfltrd recover -able, ug/L (01045)	Lead, water, unfltrd recover -able, ug/L (01051)	Mangan- ese, water, unfltrd recover -able, ug/L (01055)	Mercury, water, unfltrd recover -able, ug/L (71900)	Nickel, water, unfltrd recover -able, ug/L (01067)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover -able, ug/L (01077)	Zinc, water, unfltrd recover -able, ug/L (01092)	Arsenic bed sedimnt total, ug/g (01003)	Cadmium bed sedimnt recover -able, ug/g (01028)	Chrom- ium, bed sedimnt recover -able, ug/g (01029)	Cobalt bed sedimnt recover -able, ug/g (01038)	Copper, bed sedimnt recover -able, ug/g (01043)
AUG 28...	500	3.42	242	0.03	3.69	0.7	<0.16	8	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	<1	0.570	22	5.4	34

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Iron, bed sedimnt total, ug/g (01170)	Lead, bed sedimnt recover -able, ug/g (01052)	Mangan- ese, bed sedimnt recover -able, ug/g (01053)	Mercury, bed sedimnt recover -able, ug/g (71921)	Nickel, bed sedimnt recover -able, ug/g (01068)	Selen- ium, bed sedimnt total, ug/g (01148)	Zinc, bed sedimnt recover -able, ug/g (01093)	1,2-Di- methyl- naphth- alene, bed sed <2 mm, ug/kg (49403)	1,6-Di- methyl- naphth- alene, bed sed <2 mm, ug/kg (49404)	1Methyl -9H- fluore- ne, bed sed <2 mm, ug/kg (49398)	1- Methyl- phenan- threne, bed sed <2 mm, ug/kg (49410)	1- Methyl- pyrene, bed sed <2 mm, wsv nat ug/kg (49388)	236Tri- methyl- naphth- alene, bed sed <2 mm, ug/kg (49405)
AUG 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	7,000	130	98	0.02	10	<1	150	<50	<50	<50	140	110	<50

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	2,6-Di- methyl- naphth- alene, bed sed <2 mm, ug/kg (49406)	2-Ethyl naphth- alene bed sed <2 mm wsv nat ug/kg (49948)	2- Methyl- anthra- cene, bed sed <2 mm, ug/kg (49435)	Cyclo- penta- phenan- threne, bed sed <2 mm, ug/kg (49411)	9H- Flour- ene, bed sed <2 mm, wsv nat ug/kg (49399)	Ace- naphth- ene, bed sed <2 mm, wsv nat ug/kg (49429)	Ace- naphth- ylene, bed sed <2 mm, wsv nat ug/kg (49428)	Anthra- cene, bed sed <2 mm, wsv nat field, ug/kg (49434)	Benzo- [a]- anthra- cene, bed sed <2 mm, ug/kg (49436)	Benzo- [a]- pyrene, bed sed <2 mm, wsv nat ug/kg (49389)	Benzo- [b]- fluor- anthene bed sed <2 mm ug/kg (49458)	Benzo- [ghi]- peryl- ene, bed sed <2 mm, ug/kg (49408)	Benzo- [k]- fluor- anthene bed sed <2 mm ug/kg (49397)
AUG 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<50	<50	100	270	170	110	160	490	1,400	1,400	1,300	840	1,000

01394200 RAHWAY RIVER AT MORRIS AVENUE, AT SPRINGFIELD, NJ—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Chry-sene, bed sed <2 mm, wsv nat field, ug/kg (49450)	Dibenzo-[a,h]-anthra-cene, bed sed <2 mm, ug/kg (49461)	Fluor-anthene bed sed <2 mm wsv nat field, ug/kg (49466)	Indeno-[1,2,3-cd]-pyrene, bed sed <2 mm ug/kg (49390)	Iso-phorone bed sed <2 mm, wsv nat field, ug/kg (49400)	Naphth-alene, bed sed <2 mm wsv nat ug/kg (49402)	PCBs, bed sedimnt ug/kg (39519)	p-Cresol, bed sed <2 mm, wsv nat field, ug/kg (49451)	Phenan-threne, bed sed <2 mm, wsv nat field, ug/kg (49409)	Phenan-thrine, bed sed <2 mm, wsv nat field, ug/kg (49393)	Pyrene, bed sed <2 mm, wsv nat field, ug/kg (49387)	Bed sedi-ment, dry svd percent <.063mm (80164)	Bed sedi-ment falldia dst wat percent <.002mm (80294)
AUG 28... 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
	1,600	270	3,400	1,100	<50	<50	E21	<50	1,900	52	2,600	1.5	0.3

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Bed sedi-ment, falldia dst wat percent <.004mm (80157)	Bed sedi-ment falldia dst wat percent <.008mm (80293)	Bed sedi-ment, falldia dst wat percent <.016mm (80282)	Bed sedi-ment, falldia dst wat percent <.031mm (80283)
AUG 28... 28...	--	--	--	--
	0.3	0.4	0.5	0.9

Remark codes used in this table:
 < -- Less than
 E -- Estimated value

WATER-COLUMN VOLATILE ORGANIC COMPOUND ANALYSES

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	CFC-113 water unfltrd ug/L (77652)	1,1-Di-chloro-ethane, water, unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,2-Di-chloro-benzene water, unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water, unfltrd ug/L (34541)	1,3-Di-chloro-benzene water, unfltrd ug/L (34566)	1,4-Di-chloro-benzene water, unfltrd ug/L (34571)	Benzene water unfltrd ug/L (34030)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Chloro-benzene water unfltrd ug/L (34301)
FEB 26...	1000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-chloro-di-fluoro-methane wat unfltrd ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl-benzene water, unfltrd ug/L (34371)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta+ para-Xylene, water, unfltrd ug/L (85795)	o-Xylene, water, unfltrd ug/L (77135)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)
FEB 26...	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.2	<0.2	<0.1	<0.1	<0.1	1.3

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)
FEB 26...	0.8	<0.2	<0.1	<0.1	<0.2	0.2	<0.2	0.2	<0.2

Remark codes used in this table:
 < -- Less than

01394200 RAHWAY RIVER AT MORRIS AVENUE, AT SPRINGFIELD, NJ—Continued

WATER-COLUMN PESTICIDE ANALYSES

The following were determined using laboratory schedule 2001 (listed in its entirety, with laboratory reporting levels, in "Laboratory Measurements" in the Explanation of Water-Quality Records section of this report). Only pesticides detected in one or more surface-water samples are listed in the following table.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	2,6-Diethyl-aniline water fltrd 0.7u GF (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF (82686)	Ben-flur-alin, water, fltrd 0.7u GF (82673)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd 0.7u GF (82680)	Carbo-furan, water, fltrd 0.7u GF (82674)	cis-Per-methrin water fltrd 0.7u GF (82687)
MAY 14...	1000	<0.006	E.005	<0.006	<0.004	<0.005	E.007	<0.050	<0.010	<0.002	E.013	<0.020	<0.006

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	DCPA, water fltrd 0.7u GF (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	EPTC, water, fltrd 0.7u GF (82668)	Desulf-inyl fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Mala-thion, water, fltrd, ug/L (39532)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Naprop-amide, water, fltrd 0.7u GF (82684)
MAY 14...		<0.003	<0.004	<0.007	0.005	<0.002	<0.009	<0.005	<0.005	E.007	<0.027	E.004	<0.006	<0.007

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Pendi-meth-alin, water, fltrd 0.7u GF (82683)	Prome-ton, water, fltrd, ug/L (04037)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water, fltrd 0.7u GF (82670)	Terba-cil, water, fltrd 0.7u GF (82665)	Tri-flur-alin, water, fltrd 0.7u GF (82661)
MAY 14...	<0.022	0.02	0.011	<0.02	<0.034	<0.009

Remark codes used in this table:
 < -- Less than
 E -- Estimated value

WATER-COLUMN BACTERIA ANALYSES

Samples were collected synoptically over a 30-day period during the summer.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Entero-cocci, m-E MF, water, col/ 100 mL (31649)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Date	Time	Entero-cocci, m-E MF, water, col/ 100 mL (31649)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JUN 11...	0942	210	6,000	5,000	JUL 02...	1050	780	1,600	5,000
18...	1055	5,600	13,000	16,000	09...	1050	3,000	1,500	16,000
25...	0955	400	2,400	1,700					

01394500 RAHWAY RIVER NEAR SPRINGFIELD

LOCATION.--Lat 40°41'15", long 74°18'42", Union County, Hydrologic Unit 02030104, downstream from bridge on eastbound U.S. Highway 22, 100 ft downstream from Pope Brook, and 1.5 mi south of Springfield.

DRAINAGE AREA.--25.5 mi².

PERIOD OF RECORD.--Water years 1978 to current year.

REMARKS.--Total nitrogen (00600) equals the sum of dissolved ammonia plus organic nitrogen (00623), dissolved nitrite plus nitrate nitrogen (00631), and total particulate nitrogen (49570).

COOPERATION.--Field data and samples for laboratory analyses were provided by the New Jersey Department of Environmental Protection. Determination of dissolved ammonia, total ammonia, dissolved nitrite, dissolved orthophosphate, biochemical oxygen demand, total suspended solids, fecal coliform, E. coli, and enterococcus bacteria was performed by the New Jersey Department of Health and Senior Services, Public Health and Environmental Laboratories, Environmental and Chemical Laboratory Services. Determination of chlorophyll a was performed by the New Jersey Department of Environmental Protection, Bureau of Freshwater and Biological Monitoring Laboratory.

COOPERATIVE NETWORK SITE DESCRIPTOR.--Urban Land Use Indicator, New Jersey Department of Environmental Protection Watershed Management Area 7.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)
NOV 21...	1045	22	2.3	0.121	0.092	761	9.6	81	7.6	556	9.0	8.0	170
MAR 04...	1045	31	4.0	0.108	0.082	768	13.2	92	7.5	884	1.0	0.9	150
MAY 15...	1045	14	3.3	0.078	0.059	764	6.4	60	7.5	825	18.5	13.0	220
AUG 28...	1015	8.6	3.6	0.070	0.054	762	5.6	62	7.6	742	24.0	20.3	250

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
NOV 21...	50.9	10.7	2.05	40.2	E104	85.1	<0.17	16.3	29.1	--	324	6	0.29
MAR 04...	46.1	9.27	2.11	103	87	208	<0.17	12.1	23.8	464	479	9	0.30
MAY 15...	67.0	13.5	2.53	72.8	114	159	<0.17	14.2	30.4	434	476	7	0.45
AUG 28...	75.1	14.7	2.48	55.8	130	129	0.17	13.9	31.2	407	462	2	0.23

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd total, mg/L (00694)	Inorganic carbon, suspnd total, mg/L (00688)	Organic carbon, suspnd total, mg/L (00689)
NOV 21...	0.047	0.049	1.45	0.012	0.041	0.06	0.036	0.069	1.7	1.8	0.5	<0.1	0.5
MAR 04...	0.070	0.090	1.50	0.008	0.030	0.06	0.025	0.054	1.8	1.9	0.3	<0.1	0.3
MAY 15...	0.162	0.220	1.27	0.044	0.041	0.07	0.041	0.088	1.7	1.8	0.5	<0.1	0.5
AUG 28...	0.036	0.029	1.32	0.010	0.039	0.05	0.039	0.069	1.6	1.6	0.5	<0.1	0.5

RAHWAY RIVER BASIN

01394500 RAHWAY RIVER NEAR SPRINGFIELD—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Organic carbon, water, fltrd, mg/L (00681)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Chlorophyll a fluorometric method, corrctd ug/L (32209)	Boron, water, fltrd, ug/L (01020)
NOV 21...	3.9	E1.3	--	79
MAR 04...	3.1	<1.0	--	45
MAY 15...	2.5	<1.0	7.60	69
AUG 28...	2.3	<1.0	3.90	73

Remark codes used in this table:

< -- Less than

E -- Estimated value

WATER-COLUMN BACTERIA ANALYSES

Samples were collected synoptically over a 30-day period during the summer.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Enterococci, m-E MF, water, col/ 100 mL (31649)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coliform, ECbroth water, MPN/ 100 mL (31615)	Date	Time	Enterococci, m-E MF, water, col/ 100 mL (31649)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coliform, ECbroth water, MPN/ 100 mL (31615)
JUN 11...	0920	230	1,700	800	JUL 02...	1020	530	100	80
18...	1025	9,300	8,100	9,000	09...	1030	300	500	1,700
25...	0945	380	900	5,000					

01395000 RAHWAY RIVER AT RAHWAY, NJ

LOCATION.--Lat 40°37'08", long 74°17'00", Union County, Hydrologic Unit 02030104, at St. Georges Avenue bridge in Rahway and 0.9 mi upstream from Robinsons Branch.

DRAINAGE AREA.--40.9 mi².

PERIOD OF RECORD.--Water years 1923-24, 1952, 1962, 1967-70, 1979 to current year.

REMARKS.--Total nitrogen (00600) equals the sum of dissolved ammonia plus organic nitrogen (00623), dissolved nitrite plus nitrate nitrogen (00631), and total particulate nitrogen (49570).

COOPERATION.--Field data and samples for laboratory analyses were provided by the New Jersey Department of Environmental Protection. Determination of dissolved ammonia, total ammonia, dissolved nitrite, dissolved orthophosphate, biochemical oxygen demand, total suspended solids, fecal coliform, E. coli, and enterococcus bacteria was performed by the New Jersey Department of Health and Senior Services, Public Health and Environmental Laboratories, Environmental and Chemical Laboratory Services. Determination of chlorophyll a was performed by the New Jersey Department of Environmental Protection, Bureau of Freshwater and Biological Monitoring Laboratory.

COOPERATIVE NETWORK SITE DESCRIPTOR.--Watershed Integrator, New Jersey Department of Environmental Protection Watershed Management Area 7.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)
DEC 03...	0715	19	4.6	0.115	0.088	750	10.6	79	7.8	645	-7.0	2.5	190
MAR 05...	1030	114	18	0.124	0.095	757	12.5	93	7.6	756	3.5	2.8	130
MAY 15...	0715	20	4.9	0.099	0.074	751	6.8	67	7.7	742	8.0	13.9	210
SEP 04...	1045	44	9.8	0.145	0.108	758	7.4	80	7.6	322	23.0	18.9	89

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
DEC 03...	58.4	10.7	1.84	49.0	E118	97.8	<0.17	16.2	37.1	--	357	11	0.37
MAR 05...	40.4	7.59	2.14	91.3	67	170	<0.17	10.1	24.5	391	428	14	0.35
MAY 15...	66.0	12.0	2.33	62.6	128	122	<0.17	12.7	34.7	393	425	8	0.56
SEP 04...	28.1	4.62	1.79	21.9	59	45.3	<0.17	7.8	18.5	168	193	9	0.40

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd total, mg/L (00694)	Inorganic carbon, suspnd total, mg/L (00688)	Organic carbon, suspnd total, mg/L (00689)
DEC 03...	0.072	0.071	1.23	0.008	0.051	0.07	0.040	0.100	1.6	1.7	0.6	<0.1	0.6
MAR 05...	0.094	0.091	1.21	0.016	0.028	0.16	0.029	0.091	1.6	1.7	1.3	<0.1	1.3
MAY 15...	0.237	0.242	0.91	0.064	0.042	0.12	0.043	0.106	1.5	1.6	0.8	<0.1	0.8
SEP 04...	0.133	0.138	0.87	0.021	0.061	0.12	0.066	0.120	1.3	1.4	1.3	<0.1	1.3

RAHWAY RIVER BASIN

01395000 RAHWAY RIVER AT RAHWAY, NJ—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Organic carbon, water, fltrd, mg/L (00681)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Chlorophyll a fluorometric method, corrctd ug/L (32209)	Boron, water, fltrd, ug/L (01020)
DEC 03...	3.5	<1.1	--	82
MAR 05...	3.7	<1.1	--	43
MAY 15...	3.2	E1.3	10.7	77
SEP 04...	3.9	E1.1	5.00	48

Remark codes used in this table:

< -- Less than

E -- Estimated value

WATER-COLUMN BACTERIA ANALYSES

Samples were collected synoptically over a 30-day period during the summer.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Enterococci, m-E MF, water, col/ 100 mL (31649)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coliform, ECbroth water, MPN/ 100 mL (31615)	Date	Time	Enterococci, m-E MF, water, col/ 100 mL (31649)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coliform, ECbroth water, MPN/ 100 mL (31615)
JUN					JUL				
11...	1036	220	400	300	02...	0950	120	100	930
18...	0940	4,000	3,800	9,000	09...	0955	210	600	500
25...	1103	179	600	600					

01395700 ROBINSONS BRANCH TRIBUTARY 2 AT WESTFIELD, NJ

LOCATION.--Lat 40°37'30", long 74°19'40", Union County, Hydrologic Unit 02030104, at bridge on County Route 606 (Lamberts Mill Road), 550 upstream of mouth and Middlesex Reservoir, 2.3 mi southeast of Westfield, and 2.8 mi northwest of Rahway.

DRAINAGE AREA.-- 1.93 mi².

PERIOD OF RECORD.--December 2002 to August 2003.

REMARKS.--For definition of the type of quality-control data listed under SAMPLE TYPE, refer to "Water-Quality Control Data" in the Explanation of Water-Quality Records section of this report. Total nitrogen (00600) equals the sum of dissolved ammonia plus organic nitrogen (00623), dissolved nitrite plus nitrate nitrogen (00631), and total particulate nitrogen (49570).

COOPERATION.--Field data and samples for laboratory analyses were provided by the New Jersey Department of Environmental Protection. Determination of dissolved ammonia, total ammonia, dissolved nitrite, dissolved orthophosphate, biochemical oxygen demand, total suspended solids, fecal coliform, E. coli, and enterococcus bacteria was performed by the New Jersey Department of Health and Senior Services, Public Health and Environmental Laboratories, Environmental and Chemical Laboratory Services. Determination of chlorophyll a was performed by the New Jersey Department of Environmental Protection, Bureau of Freshwater and Biological Monitoring Laboratory. Analysis of the split and concurrent replicate samples was performed by the Laboratory Branch of the U.S. Environmental Protection Agency, Region II, Division of Environmental Science and Assessment.

COOPERATIVE NETWORK SITE DESCRIPTOR.--Statewide Status, New Jersey Department of Environmental Protection Watershed Management Area 7.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Sample type	Turbidity, water, unfltrd field, NTU (61028)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)
DEC											
03...	0830	Environmental	1.4	0.096	0.073	768	9.0	63	8.0	458	5.0
03...	0830	Split Replicate	--	--	--	--	--	--	--	--	--
03...	0831	Concurrent Replicate	--	--	--	--	--	--	--	--	--
FEB											
04...	0830	Environmental	23	0.058	0.043	746	9.8	73	8.0	546	7.5
04...	0830	Split Replicate	--	--	--	--	--	--	--	--	--
04...	0831	Concurrent Replicate	--	--	--	--	--	--	--	--	--
MAY											
28...	1000	Environmental	1.6	0.129	0.097	756	7.7	75	7.9	448	17.1
28...	1000	Split Replicate	--	--	--	--	--	--	--	--	--
28...	1001	Concurrent Replicate	--	--	--	--	--	--	--	--	--
AUG											
05...	1000	Environmental	3.5	0.117	0.085	758	4.6	54	7.5	475	24.9
05...	1000	Split Replicate	--	--	--	--	--	--	--	--	--
05...	1001	Concurrent Replicate	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd, fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue, water, sum of constituents, mg/L (70301)	Residue on evap. at 180degC, wat flt mg/L (70300)
DEC													
03...	1.0	170	54.2	8.75	2.67	28.2	E111	54.8	<0.17	14.8	39.6	--	285
03...	--	160	50.0	8.20	3.10	27.0	110	47.0	<0.10	--	41.0	251	E410
03...	--	160	50.0	8.30	3.00	27.0	110	48.0	<0.10	--	41.0	252	E420
FEB													
04...	2.0	170	51.7	9.22	2.53	53.9	89	107	<0.17	10.9	35.7	335	333
04...	--	150	47.0	8.70	2.80	53.0	89	110	<0.10	--	39.0	323	350
04...	--	150	47.0	8.70	2.80	53.0	89	110	<0.10	--	39.0	323	340
MAY													
28...	14.1	160	49.4	7.88	3.58	31.9	101	59.6	<0.17	13.5	32.4	267	286
28...	--	150	47.0	7.50	3.70	32.0	100	62.0	0.06	--	33.0	253	300
28...	--	150	47.0	7.50	3.70	32.0	100	62.0	0.06	--	31.0	251	320
AUG													
05...	22.8	170	54.5	7.92	3.26	34.6	115	70.5	<0.17	14.1	31.0	289	357
05...	--	170	54.0	8.50	3.40	34.0	120	73.0	0.07	--	30.0	279	170
05...	--	170	55.0	8.50	3.50	35.0	120	73.0	0.06	--	30.0	281	170

01395700 ROBINSONS BRANCH TRIBUTARY 2 AT WESTFIELD, NJ—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd, mg/L as N (00610)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Ortho-phosphate, water, unfltrd, mg/L as P (70507)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Total nitrogen, water, fltrd, mg/L (00602)
DEC 03...	6	0.27	--	0.049	<0.030	1.95	0.010	0.067	--	0.04	0.048	0.064	2.2
03...	<10	0.28	0.23	<0.050	<0.050	1.90	<0.050	0.066	0.08	--	0.120	0.060	2.2
03...	<10	0.28	0.23	<0.050	<0.050	1.90	<0.050	0.057	0.05	--	0.057	<0.050	2.2
FEB 04...	19	0.32	--	0.144	0.149	2.31	0.013	0.027	--	0.07	0.020	0.094	2.6
04...	30	0.26	0.30	0.087	0.110	2.00	0.012	<0.010	0.05	--	<0.025	0.083	2.3
04...	49	0.29	0.24	0.088	0.100	2.00	0.014	<0.010	0.05	--	<0.025	0.087	2.3
MAY 28...	1	0.56	--	0.057	0.074	1.83	0.033	0.048	--	<0.02	0.061	0.095	2.4
28...	<10	<0.10	--	0.093	0.096	1.70	<0.050	0.051	0.07	--	0.073	0.110	--
28...	<10	<0.10	0.24	0.096	0.094	1.70	<0.050	0.052	0.06	--	0.068	0.130	--
AUG 05...	2	0.25	--	0.051	0.061	0.97	0.012	0.123	--	0.06	0.111	0.162	1.2
05...	<10	0.48	0.48	<0.050	<0.050	0.910	0.012	0.110	0.13	--	0.090	0.140	1.4
05...	<10	0.44	0.51	<0.050	<0.050	0.910	0.013	0.084	0.13	--	0.098	0.140	1.4

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd, sedimnt total, mg/L (00694)	Inorganic carbon, suspnd, sedimnt total, mg/L (00688)	Organic carbon, suspnd, sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Chlorophyll a fluorometric method, corrctd ug/L (32209)	Boron, water, fltrd, ug/L (01020)
DEC 03...	2.3	0.2	<0.1	0.2	3.3	<1.0	--	61
03...	2.1	--	--	--	3.4	--	--	50
03...	2.1	--	--	--	3.4	--	--	60
FEB 04...	2.7	0.6	<0.1	0.6	2.4	<1.1	--	44
04...	2.3	--	--	--	2.6	--	--	40
04...	2.2	--	--	--	2.6	--	--	40
MAY 28...	--	0.1	<0.1	0.1	3.9	<1.0	1.60	65
28...	--	--	--	--	4.4	--	--	70
28...	1.9	--	--	--	4.2	--	--	60
AUG 05...	1.3	0.3	<0.1	0.3	3.7	E1.5	1.30	63
05...	1.4	--	--	--	3.3	--	--	60
05...	1.4	--	--	--	4.1	--	--	60

Remark codes used in this table:
 < -- Less than
 E -- Estimated value

WATER-COLUMN TRACE-ELEMENT ANALYSES

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Arsenic water unfltrd ug/L (01002)	Barium, water, unfltrd recover ug/L (01007)	Beryllium, water, unfltrd recover ug/L (01012)	Boron, water, unfltrd recover ug/L (01022)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recover ug/L (01034)	Copper, water, unfltrd recover ug/L (01042)	Iron, water, unfltrd recover ug/L (01045)	Lead, water, unfltrd recover ug/L (01051)	Manganese, water, unfltrd recover ug/L (01055)	Mercury water, unfltrd recover ug/L (71900)	Nickel, water, unfltrd recover ug/L (01067)
AUG 05...	1000	M	92.5	<0.06	62	<0.04	<0.8	2.6	300	0.48	162	<0.02	2.88

01395700 ROBINSONS BRANCH TRIBUTARY 2 AT WESTFIELD, NJ—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Selenium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)	Zinc, water, unfltrd recover-able, ug/L (01092)
AUG 05...	0.7	<0.16	6

Remark codes used in this table:
 < -- Less than
 M-- Presence verified, not quantified

WATER-COLUMN VOLATILE ORGANIC COMPOUND ANALYSES

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	CFC-113 water unfltrd ug/L (77652)	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,2-Dichlorobenzene unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	Benzene water unfltrd ug/L (34030)	Bromodichloromethane water unfltrd ug/L (32101)	Chlorobenzene water unfltrd ug/L (34301)
FEB 04...	0830	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	0.2	<0.1

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	cis-1,2-Dichloroethene, water, unfltrd ug/L (77093)	Di-bromochloromethane unfltrd ug/L (32105)	Di-chloro-di-fluoromethane wat unfltrd ug/L (34668)	Di-chloromethane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diisopropyl ether, water, unfltrd ug/L (81577)	Ethylbenzene water unfltrd ug/L (34371)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta+ para-Xylene, water, unfltrd ug/L (85795)	o-Xylene, water, unfltrd ug/L (77135)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)
FEB 04...		<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.2	<0.2	<0.1	<0.1	<0.1	0.5

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Tetra-chloroethene, water, unfltrd ug/L (34475)	Tetra-chloromethane water unfltrd ug/L (32102)	Toluene water unfltrd ug/L (34010)	trans-1,2-Dichloroethene, water, unfltrd ug/L (34546)	Tri-bromomethane water unfltrd ug/L (32104)	Tri-chloroethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chloride, water, unfltrd ug/L (39175)
FEB 04...		0.2	<0.2	<0.1	<0.1	<0.2	<0.1	<0.2	0.3	<0.2

Remark codes used in this table:
 < -- Less than

WATER-COLUMN PESTICIDE ANALYSES

The following were determined using laboratory schedule 2001 (listed in its entirety, with laboratory reporting levels, in "Laboratory Measurements" in the Explanation of Water-Quality Records section of this report). Only pesticides detected in one or more surface-water samples are listed in the following table.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	2,6-Diethyl-aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd, 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd, 0.7u GF ug/L (82673)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd, 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd, 0.7u GF ug/L (82674)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)
MAY 28...	1000	<0.006	E.005	0.007	<0.007	<0.005	0.027	<0.050	E.004	<0.002	E.019	<0.020	<0.006

RAHWAY RIVER BASIN

01395700 ROBINSONS BRANCH TRIBUTARY 2 AT WESTFIELD, NJ—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Desulf-inyl fipronil amide, wat flt ug/L (62169)	Fipronil sulfide, water, fltrd, ug/L (62167)	Fipronil sulfone, water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Malathion, water, fltrd, ug/L (39532)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Napropamide, water, fltrd 0.7u GF ug/L (82684)
MAY 28...	<0.003	E.002	0.009	E.002	<0.002	<0.009	E.003	0.006	E.026	<0.027	E.004	<0.006	<0.007

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Prometon, water, fltrd, ug/L (04037)	Simazine, water, fltrd, ug/L (04035)	Tebu-thiuron, water, fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Tri-fluralin, water, fltrd 0.7u GF ug/L (82661)
MAY 28...	E.021	E.01	0.007	<0.02	<0.034	E.003

Remark codes used in this table:
 < -- Less than
 E -- Estimated value

WATER-COLUMN BACTERIA ANALYSES

Samples were collected synoptically over a 30-day period during the summer.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Enterococci, m-E MF, water, col/ 100 mL (31649)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Date	Time	Enterococci, m-E MF, water, col/ 100 mL (31649)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JUN 11...	1110	500	1,800	500	JUL 02...	0930	860	4,200	9,000
18...	0915	9,700	8,000	3,000	09...	0930	580	2,100	400
25...	1045	620	1,900	2,200					