

01382000 PASSAIC RIVER AT TWO BRIDGES, NJ

LOCATION.--Lat 40°53'50", long 74°16'22", Passaic County, Hydrologic Unit 02030103, at bridge on Two Bridges Road in Two Bridges, and 50 ft upstream from Pompton River.

DRAINAGE AREA.--361 mi<sup>2</sup>.

PERIOD OF RECORD.--Water years 1962 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1969 to September 1974.

pH: June 1969 to September 1974.

WATER TEMPERATURE: October 1962 to May 1969 (once daily), June 1969 to September 1974.

DISSOLVED OXYGEN: June 1969 to September 1974.

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.--Concentrations of ammonia in samples collected during November to December and August to September; orthophosphate in every sampling period except February to March; and nitrite, biochemical oxygen demand, total suspended residue, fecal coliform, E. coli, and enterococcus bacteria were determined by the New Jersey Department of Health and Senior Services, Public Health and Environmental Laboratories, Environmental and Chemical Laboratory Services.

COOPERATIVE NETWORK SITE DESCRIPTOR.--Watershed Integrator, New Jersey Department of Environmental Protection Watershed Management Area 6.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	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, mg/L as CaCO3 (00900)	
Date	Time	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)
Date	Time	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	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 23...	1115	345	4.2	.217	.167	765	8.6	76	7.3	498	--	9.9	130	
FEB 15...	1120	873	6.6	.149	.114	760	12.5	92	7.0	478	11.0	2.8	100	
JUN 08...	1050	231	7.2	.135	.099	754	4.5	55	7.2	715	26.5	24.9	170	
AUG 22...	1020	162	5.4	.145	.106	752	5.7	69	7.4	634	28.0	24.9	160	
NOV 23...	32.2	11.8	4.26	45.5	73	84.8	.1	14.3	24.4	274	276	4	.57	
FEB 15...	27.3	8.93	2.32	55.2	51	106	E.1	10.3	18.2	266	287	--	.42	
JUN 08...	42.1	16.5	5.32	67.1	97	131	.1	15.4	31.4	382	386	--	.73	
AUG 22...	41.2	13.5	5.62	60.5	84	111	.1	11.6	37.0	347	393	4	.67	
NOV 23...	.089	2.62	.017	.04	3.2	3.2	.320	.30	.40	.4	<.1	.4	5.5	
FEB 15...	.077	1.45	--	.08	1.9	1.9	.148	.170	.21	.8	<.1	.8	4.1	
JUN 08...	.182	2.95	--	.07	3.7	3.8	.489	.47	.58	.6	<.1	.6	4.3	
AUG 22...	.132	3.34	--	.04	4.0	4.0	.379	.41	.47	.3	<.1	.3	4.5	

## PASSIAC RIVER BASIN

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## WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Boron, water, fltrd, ug/L (01020)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
NOV 23...	2.0	98	--	--
FEB 15...	--	56	5	12
JUN 08...	<1.0	146	12	7.5
AUG 22...	<1.0	152	--	--

Remark codes used in this table:

&lt; -- Less than.

E -- Estimated.

## WATER-COLUMN BACTERIA ANALYSES

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

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

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 01...	0945	10	100	110
08...	0958	20	<100	170
15...	0951	20	<100	110
22...	0955	10	200	70
29...	0951	60	200	300

Remark codes used in this table:

&lt; -- Less than.

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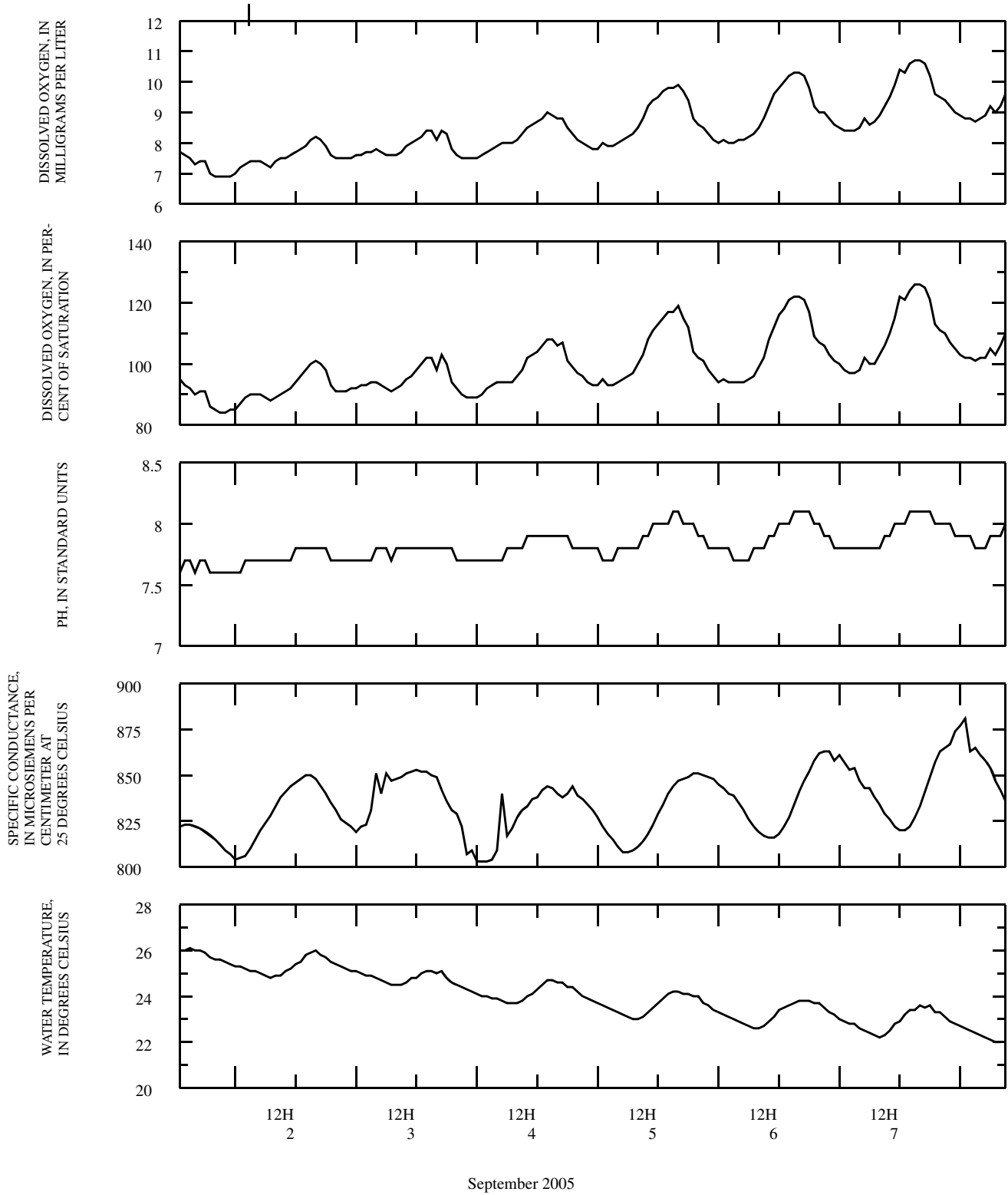


Figure 29. Reconnaissance Study -- Hourly water-quality-monitor values recorded at 01382000, Passaic River at Two Bridges, New Jersey, water year 2005.