



Water-Data Report 2009

01382000 PASSAIC RIVER AT TWO BRIDGES, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 40°53'50", long 74°16'22" referenced to North American Datum of 1983, Fairfield Township, Essex County, NJ, Hydrologic Unit 02030103, at bridge on Two Bridges Road in Two Bridges, and 50 ft upstream from Pompton River.

DRAINAGE AREA.--361 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous and occasional low-flow measurements, water years 1963-68 and 1983 to current year.

GAGE.--Reference point only.

REMARKS.--Flow regulated by Boonton Reservoir (see 01380900) and includes some sewage effluent.

DISCHARGE MEASUREMENTS WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Date	Discharge, in ft ³ /s
Nov 12, 2008	211
Feb 19, 2009	514
May 8, 2009	1,050
Jun 9, 2009	934
Jul 16, 2009	178
Aug 26, 2009	935
Sep 3, 2009	284

01382000 PASSAIC RIVER AT TWO BRIDGES, NJ—Continued

WATER-QUALITY RECORDS

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.--Cooperative Network Site Descriptor: Watershed Integrator, NJ Department of Environmental Protection Watershed Management Area 6.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

WATER-QUALITY DATA

WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 3

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

Date	Time	Baro- metric pres- sure, mm Hg (00025)	Temper- ature, air, deg C (00020)	UV absorb- ance, 254 nm, wat flt units /cm (50624)	UV absorb- ance, 280 nm, wat flt units /cm (61726)	Instan- taneous dis- charge, ft ³ /s (00061)	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, water, deg C (00010)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Dis- solved solids dried @ 180degC wat flt mg/L (70300)
Nov 12...	1130	766	10.5	.240	.185	211	8.9	78	7.2	576	9.3	4.3	337
Feb 19...	1030	744	8.0	.139	.106	514	13.9	103	7.3	757	1.6	7.5	413
Jun 09...	1110	735	22.0	.326	.252	934	6.3	70	7.0	422	19.9	19	252
Aug 26...	1100	758	28.0	.331	.255	935	5.0	59	7.0	338	23.8	15	195

WATER-QUALITY DATA

WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 3

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

Date	Dis- solved solids, sum of consti- tuents, mg/L (70301)	Hard- ness, water, mg/L as CaCO3 (00900)	Sus- pended solids, water, unfltrd mg/L (00530)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Total carbon, suspnd sedimnt total, mg/L (00694)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Silica, water, fltrd, mg/L as SiO2 (00955)
Nov 12...	E314	140	1	36.3	12.8	4.72	54.1	82	.3	102	E.10	<.04	14.8
Feb 19...	E387	130	5	34.2	11.5	2.99	88.0	60	.8	172	E.09	<.04	11.0
Jun 09...	E229	95	20	25.1	7.90	2.50	42.1	59	1.4	82.0	E.09	<.04	10.9
Aug 26...	E176	80	17	21.2	6.53	2.80	30.1	53	1.3	55.2	E.06	<.04	11.2

01382000 PASSAIC RIVER AT TWO BRIDGES, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 3

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

Date	Ammonia + org-N,		Nitrate + nitrite,		Ortho-phosphate,	Particulate nitrogen,	Phosphorus,	Phosphorus,	Total nitrogen,	Total nitrogen,	Organic carbon,	Organic carbon,
	Sulfate water, fltrd, mg/L (00945)	water, fltrd, mg/L as N (00623)	water, fltrd, mg/L as N (00608)	water, fltrd, mg/L as N (00631)								
Nov												
12...	26.7	.63	.090	2.60	.366	.04	.39	.43	3.2	3.3	.27	6.4
Feb												
19...	23.2	.37	.050	1.84	.141	.08	.16	.21	2.2	2.3	.79	4.2
Jun												
09...	17.1	.66	.110	1.13	.210	.18	.22	.33	1.8	2.0	1.43	7.4
Aug												
26...	12.9	.61	.049	.86	.174	.14	.21	.27	1.5	1.6	1.29	7.7