



Water-Data Report 2009

01380100 BEAVER BROOK AT ROCKAWAY, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 40°54'08", long 74°30'05" referenced to North American Datum of 1983, Rockaway Borough, Morris County, NJ, Hydrologic Unit 02030103, at bridge on Gill Road in Rockaway, and 0.2 mi above mouth.

DRAINAGE AREA.--22.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous and occasional low-flow measurements, water years 1963-64, 1985-86, and 1998 to current year.

GAGE.--Staff gage.

REMARKS.--Flow regulated by Splitrock Reservoir (see 01379990).

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Discharge, in ft³/s
Nov 6, 2008	26.5
Mar 10, 2009	23.9
Apr 22, 2009	63.2
May 18, 2009	68.0
Jul 7, 2009	21.2
Aug 5, 2009	49.2
Aug 27, 2009	15.8

01380100 BEAVER BROOK AT ROCKAWAY, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to current year.

REMARKS.--Cooperative Network Site Descriptor: Undeveloped Land Use Indicator, 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 06...	1100	746	6.0	.139	.108	26	10.4	98	7.0	209	11.7	2.8	123
Mar 10...	1130	758	8.0	.089	.068	24	11.8	93	7.1	243	5.2	4.3	144
May 18...	1115	754	11.5	.156	.121	68	8.8	84	6.9	167	13.0	6.3	102
Aug 05...	1200	744	33.0	.189	.146	49	6.6	77	6.9	182	23.2	5.0	117

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 06...	E108	48	1	12.5	4.13	1.13	18.1	32	.2	33.2	E.08	<.04	9.1
Mar 10...	E128	45	4	11.5	3.94	.78	27.2	24	.6	49.5	E.06	<.04	8.0
May 18...	E86	36	6	8.96	3.34	.59	15.1	23	.7	28.1	E.06	<.04	7.1
Aug 05...	E93	44	3	11.6	3.61	.83	15.3	30	.4	28.1	E.08	E.06	6.8

01380100 BEAVER BROOK AT ROCKAWAY, 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 06...	10.1	.20	.027	.05	.044	E.02	.009	.020	.25	E.27	.21	5.3
Mar 10...	11.5	.21	.022	.16	E.006	.07	.008	.018	.37	.44	.61	2.5
May 18...	8.96	.27	.019	.07	E.006	.05	.014	.028	.33	.38	.68	3.6
Aug 05...	7.80	.28	.022	.07	.011	.04	.028	.043	.35	.40	.37	4.6