



Water-Data Report 2009

01388720 BEAVER DAM BROOK AT RYERSON ROAD, AT LINCOLN PARK, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 40°55'35", long 74°17'34" referenced to North American Datum of 1983, Lincoln Park Borough, Morris County, NJ, Hydrologic Unit 02030103, at bridge on Ryerson Road in Lincoln Park, 700 ft north of intersection of Ryerson Road and Park Avenue, 0.3 mi upstream of mouth, and 1.6 mi northwest of Mountain View.

DRAINAGE AREA.--13.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 2001 to current year.

GAGE.--Staff gage.

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

Date	Discharge, in ft³/s
Dec 1, 2008	39.0
Feb 5, 2009	12.1
May 26, 2009	6.62
Aug 6, 2009	17.9

01388720 BEAVER DAM BROOK AT RYERSON ROAD, AT LINCOLN PARK, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2001 to current year.

REMARKS.--Cooperative Network Site Descriptor: Urban Land Use Indicator, NJ Department of Environmental Protection Watershed Management Area 3.

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)
Dec 01...	1240	746	12.0	.314	.245	39	10.6	86	7.0	282	5.7	16	182
Feb 05...	1130	767	-6.0	.222	.172	12	12.6	84	7.1	664	-.5	8.3	354
May 26...	1135	764	17.0	.282	.220	6.6	8.4	84	7.2	462	15.6	11	282
Aug 06...	1030	757	21.0	.335	.256	18	7.1	76	7.0	422	18.6	9.8	257

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)
Dec 01...	E156	81	6	22.6	5.97	1.96	22.8	54	1.7	39.9	E.08	<.04	10.4
Feb 05...	--	130	9	36.9	9.67	1.75	74.1	73	.4	136	E.08	<.04	12.9
May 26...	--	130	5	37.7	9.02	1.97	37.0	84	.7	77.7	E.08	<.04	13.8
Aug 06...	E228	120	2	33.4	7.83	2.02	35.2	84	.7	64.7	E.07	<.04	14.3

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 3

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

Date	Sulfate water, fltrd, mg/L (00945)	Ammonia	Ammonia	Nitrate	Ortho-	Partic-	Phos-	Phos-	Total	Total	Organic	Organic
		+ org-N, water, fltrd, mg/L as N (00623)	water, fltrd, mg/L as N (00608)	+ nitrite water, fltrd, mg/L as N (00631)	phos- phate, water, fltrd, mg/L as P (00671)	ulate nitro- gen, susp, water, mg/L (49570)	phorus, water, fltrd, mg/L as P (00666)	phorus, water, unfltrd mg/L as P (00665)	nitro- gen, water, fltrd, mg/L (00602)	nitro- gen, water, unfltrd mg/L (00600)	carbon suspnd sedimnt total, mg/L (00689)	carbon, water, fltrd, mg/L (00681)
Dec												
01...	18.2	.51	.067	.33	.036	.14	.055	.124	.84	.98	1.68	7.3
Feb												
05...	24.1	.38	.119	.48	--	.03	.012	.035	.86	.89	.39	4.4
May												
26...	20.4	.55	.138	.43	--	.06	.021	.055	.98	1.0	.72	5.2
Aug												
06...	18.3	.48	.090	.48	.014	.06	.028	.057	.96	1.0	.73	6.6