

## 01380100 BEAVER BROOK AT ROCKAWAY, NJ

LOCATION.--Lat 40x54'08", long 74x30'05", Morris County, Hydrologic Unit 02030103, at bridge on Gill Road in Rockaway, and 0.2 mi above mouth.

DRAINAGE AREA.--22.7 mi<sup>2</sup>.

PERIOD OF RECORD.--Water years 1998 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.--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.--Undeveloped Land Use Indicator, 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 corrtcd 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 unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)
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 unf 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 (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Date	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 09...	1310	18	3.1	.122	.094	763	10.8	88	7.1	244	5.5	6.5	66
FEB 08...	1105	39	2.5	.078	.059	749	13.5	98	6.8	239	8.5	1.4	52
MAY 05...	1010	28	2.8	.109	.084	764	10.4	94	6.8	206	16.0	10.8	49
AUG 08...	1200	3.5	4.8	.197	.157	754	7.3	87	7.3	147	29.0	24.1	50
NOV 09...	17.1	5.56	1.46	20.0	39	40.1	.1	8.5	13.1	130	143	4	.23
FEB 08...	13.5	4.47	.95	21.9	28	40.7	E.1	8.9	14.2	123	130	--	.16
MAY 05...	12.7	4.34	.86	17.7	26	33.0	.1	6.3	10.9	102	121	--	.23
AUG 08...	12.9	4.24	.52	8.32	36	18.8	E.1	7.0	6.3	81	106	2	.40
NOV 09...	.020	.08	E.002	.04	.31	.35	.010	.009	.023	.3	<.1	.3	3.5
FEB 08...	E.028	.28	--	.03	.43	.47	<.006	.005	.016	.3	<.1	.3	2.0
MAY 05...	E.027	.12	--	.03	.35	.38	E.005	.009	.023	.4	<.1	.3	2.7
AUG 08...	.046	.23	--	.09	.63	.72	.013	.019	.069	.4	<.1	.4	3.5

## 01380100 BEAVER BROOK AT ROCKAWAY, NJ—Continued

## 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 09...	<1.0	16	--	--
FEB 08...	--	10	4	.42
MAY 05...	--	12	2	.15
AUG 08...	<1.0	11	--	--

Remark codes used in this table:

< -- 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)
JUL 06...	1125	260	200	170
13...	1015	260	<100	800
20...	0915	920	100	500
27...	0910	330	800	500
AUG 03...	0915	250	300	80

Remark codes used in this table:

< -- Less than.