01407520 PINE BROOK AT TINTON FALLS, NJ

SHREWSBURY RIVER BASIN

LOCATION.--Lat 40°18′15″, long 74°06′04″ referenced to North American Datum of 1983, Tinton Falls Borough, Monmouth County, NJ, Hydrologic Unit 02030104, at bridge on Tinton Avenue, 200 ft west from Sycamore Avenue (County Route 13A), 0.2 mi southeast from Deputy Minister Drive, and 0.8 mi downstream from confluence with Hockhockson Brook.

DRAINAGE AREA.--12.1 mi^2.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975-78, 2007-08.

REMARKS.--Cooperative Network Site Descriptor: Statewide Status, NJ Department of Environmental Protection Watershed Management Area 12.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of 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 2007 TO SEPTEMBER 2008

Part 1 of 5

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

Date	Time	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	UV absorb-ance, 254 nm, wat flt units /cm (50624)	UV absorb-ance, 280 nm, wat flt units /cm (61726)	Baro-metric pres-sure, mm Hg (00025)	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, air, deg C (00020)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
Nov													
19...	1000	13	.097	.078	773	10.2	87	7.0	190	5.0	8.1	45	13.1
Feb													
14...	0900	14	.326	.258	763	11.9	90	6.5	147	-3.5	3.1	24	6.18
May													
20...	0900	8.6	.205	.161	753	9.6	88	6.5	158	10.0	11.0	33	8.90
Aug													
26...	0800	6.5	.077	.064	764	7.7	82	7.0	214	18.0	17.4	56	16.6

01407520 PINE BROOK AT TINTON FALLS, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 2 of 5
[Remark codes: <, less than; E, estimated.]

Date	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 as SiO2 (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 non-filterable, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)
Nov													
19...	3.07	3.13	13.7	15	28.5	E.10	12.2	19.4	E104	130	4	.18	.035
Feb													
14...	1.97	2.24	14.1	8	25.4	<.12	6.9	12.2	75	93	10	.34	.033
May													
20...	2.51	2.27	11.7	11	23.7	E.07	10.2	16.8	E84	96	8	.24	.049
Aug													
26...	3.46	3.10	15.7	23	32.5	E.11	13.5	19.6		143	2	.20	.020

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 3 of 5
[Remark codes: <, less than; E, estimated.]

Date	Nitrate + nitrite water fltrd, mg/L as N (00631)	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 as P (00666)	Phosphorus, water, unfltrd mg/L as P (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)	Arsenic water, fltrd, µg/L (01000)	Arsenic water, unfltrd µg/L (01002)
Nov													
19...	.42	.11	.60	.71	<.010	.010	.068	1.5	<.04	1.47	2.5	--	--
Feb													
14...	.31	.12	.64	.77	<.010	.036	.095	1.4	<.04	1.43	7.1	.52	1.1
May													
20...	.31	.10	.55	.65	E.008	.018	.061	1.7	<.04	1.69	4.2	--	--
Aug													
26...	.45	E.03	.66	E.68	<.010	.013	.045	.3	<.04	.31	1.6	--	E.56

01407520 PINE BROOK AT TINTON FALLS, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 4 of 5
[Remark codes: <, less than; E, estimated.]

Date	Barium, water, unfltrd recover -able, µg/L (01007)	Beryll- ium, water, unfltrd recover -able, µg/L (01012)	Boron, water, fltrd, µg/L (01020)	Boron, water, unfltrd recover -able, µg/L (01022)	Cadmium water, unfltrd µg/L (01027)	Chrom- ium, water, unfltrd recover -able, µg/L (01034)	Copper, water, unfltrd recover -able, µg/L (01042)	Iron, water, unfltrd recover -able, µg/L (01045)	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan- ese, water, unfltrd recover -able, µg/L (01055)	Mercury water, unfltrd recover -able, µg/L (71900)	Nickel, water, unfltrd recover -able, µg/L (01067)	Selen- ium, water, unfltrd µg/L (01147)
Nov													
19...	--	--	32	--	--	--	--	--	--	--	--	--	--
Feb													
14...	23.2	.10	21	19	.20	3.5	3.1	1,730	1.25	33.8	E.006	3.5	.13
May													
20...	--	--	27	--	--	--	--	--	--	--	--	--	--
Aug													
26...	44.3	<.04	31	36	.13	.63	<1.2	1,620	.11	24.8	<.010	3.4	.10

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007
TO SEPTEMBER 2008
Part 5 of 5
[Remark codes: <, less than;
E, estimated.]

Date	Silver, water, unfltrd recover -able, µg/L (01077)	Zinc, water, unfltrd recover -able, µg/L (01092)
Nov		
19...	--	--
Feb		
14...	E.02	18.2
May		
20...	--	--
Aug		
26...	<.02	6.8