01381330 WHIPPANY RIVER AT WHITEHEAD ROAD, AT WASHINGTON VALLEY, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 40°47′48″, long 74°31′48″ referenced to North American Datum of 1983, Morris Township, Morris County, NJ, Hydrologic Unit 02030103, at bridge on Whitehead Road, 0.6 mi south of Washington Valley, 2.5 mi west of Morristown, and 3.6 mi upstream of Speedwell Lake.

DRAINAGE AREA.--8.91 mi^2.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2007-08.

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

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, suspended residue, ammonia-plus-organic nitrogen in bed sediment, and phosphorus in bed sediment 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													
20...	0840	1.3	.074	.058	758	10.7	83	7.4	774	4.5	4.6	130	31.6
Feb													
28...	0830	1.6	.042	.031	756	11.8	83	7.4	319	-5.0	.9	67	16.6
Jun													
10...	0730	4.7	.061	.049	751	6.8	76	7.5	301	26.0	20.7	91	22.3
Aug													
19...	0800	2.2	.049	.039	753	7.4	79	7.7	316	23.0	18.6	100	25.3

01381330 WHIPPANY RIVER AT WHITEHEAD ROAD, AT WASHINGTON VALLEY, 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													
20...	11.7	2.15	94.3	55	190	<.12	18.4	14.5	E400	420	1	.15	.027
Feb													
28...	6.24	1.22	29.9	35	61.0	<.12	14.3	11.6	E166	179	1	.16	.011
Jun													
10...	8.52	1.64	18.7	54	46.7	<.12	20.0	11.7	166	216	8	.20	.031
Aug													
19...	9.86	1.62	18.1	59	48.8	E.07	18.3	12.3	E174	214	2	.14	.019

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													
20...	.87	<.04	1.0	--	E.008	.009	.014	E.1	<.04	.1	1.9	--	--
Feb													
28...	1.02	E.02	1.2	E1.2	E.005	E.005	.011	.3	<.04	.3	1.6	.13	<.60
Jun													
10...	.96	E.04	1.2	E1.2	.012	.017	.032	.6	<.04	.6	1.9	--	--
Aug													
19...	1.02	E.03	1.2	E1.2	.013	.012	.021	.3	<.04	.3	1.6	.22	<.60

01381330 WHIPPANY RIVER AT WHITEHEAD ROAD, AT WASHINGTON VALLEY, 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													
20...	--	--	21	--	--	--	--	--	--	--	--	--	--
Feb													
28...	27.0	<.04	14	13	.02	E.26	E.92	194	.20	23.7	<.010	.38	.15
Jun													
10...	--	--	22	--	--	--	--	--	--	--	--	--	--
Aug													
19...	28.8	<.04	20	21	<.01	<.40	1.9	294	.23	31.8	<.010	.39	.14

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		
20...	--	--
Feb		
28...	<.02	3.5
Jun		
10...	--	--
Aug		
19...	<.02	E1.3

01381330 WHIPPANY RIVER AT WHITEHEAD ROAD, AT WASHINGTON VALLEY, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 1 of 4
[Remark codes: <, less than; E, estimated.]

Date	Time	pH bed sedimnt std units (70310)	Ammonia + org-N, bed sed total, mg/kg as N (00626)	Phos-phorus, bed sedimnt total, mg/kg as P (00668)	Total carbon, bed sedimnt total, g/kg (00693)	Inor-ganic carbon, bed sedimnt total, g/kg (00686)	Arsenic bed sedimnt recover-able, ug/g (64847)	Cadmium bed sedimnt recover-able, ug/g (01028)	Chrom-ium, bed sedimnt recover-able, ug/g (01029)	Cobalt bed sedimnt recover-able, ug/g (01038)	Copper, bed sedimnt recover-able, ug/g (01043)	Iron, bed sedimnt total digest, ug/g (01170)	Lead, bed sedimnt recover-able, ug/g (01052)
Aug 19...	0830	6.98	240	1,900	5.4	<.2	1.2	.080	7.7	3.1	8	9,900	6.7

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 2 of 4
[Remark codes: <, less than; E, estimated.]

Date	Mangan-ese, bed sedimnt recover-able, ug/g (01053)	Mercury bed sedimnt recover-able, ug/g (71921)	Nickel, bed sedimnt recover-able, ug/g (01068)	Sele-nium, bed sedimnt recover-able, ug/g (64848)	Zinc, bed sedimnt recover-able, ug/g (01093)	1,2-Di-methyl-naphth-alene, bed sed <2 mm, ug/kg (49403)	1,6-Di-methyl-naphth-alene, bed sed <2 mm, ug/kg (49404)	1Methyl-9H-fluor-ene, bed sed <2 mm, ug/kg (49398)	1-Methyl-phenan-threne, bed sed <2 mm, ug/kg (49410)	1-Methyl-pyrene, bed sed <2 mm, wsv nat ug/kg (49388)	236Tri-methyl-naphth-alene, bed sed <2 mm, ug/kg (49405)	2,6-Di-methyl-naphth-alene, bed sed <2 mm, ug/kg (49406)	2-Ethyl naphth-alene bed sed <2 mm wsv nat ug/kg (49948)
Aug 19...	200	<.007	4.6	.1	26	E9	E12	E38	190	190	E21	E20	E10

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 3 of 4
[Remark codes: <, less than; E, estimated.]

Date	2-Methyl-anthra-cene, bed sed <2 mm, ug/kg (49435)	4H-Cyc-lopenta-[def]-phenan-threne, bs <2mm ug/kg (49411)	9H-Fluor-ene, bed sed <2 mm, wsv nat ug/kg (49399)	Ace-naphth-ene, bed sed <2 mm, wsv nat ug/kg (49429)	Ace-naphth-ylene, bed sed <2 mm, wsv nat ug/kg (49428)	Anthra-cene, bed sed <2 mm, wsv nat field, ug/kg (49434)	Benzo-[a]-anthra-cene, bed sed <2 mm, ug/kg (49436)	Benzo-[a]-pyrene, bed sed <2 mm, wsv nat ug/kg (49389)	Benzo-[b]-fluor-anthene bed sed <2 mm ug/kg (49458)	Benzo-[ghi]-peryl-ene, bed sed <2 mm, ug/kg (49408)	Benzo-[k]-fluor-anthene bed sed <2 mm ug/kg (49397)	Chry-sene, bed sed <2 mm, wsv nat field, ug/kg (49450)	Dibenzo-[a,h]-anthra-cene, bed sed <2 mm, ug/kg (49461)
Aug 19...	110	200	73	E38	120	250	640	640	850	E230	330	700	<50

01381330 WHIPPANY RIVER AT WHITEHEAD ROAD, AT WASHINGTON VALLEY, NJ—Continued

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

Date	Fluor-anthene bed sed <2 mm wsv nat field, ug/kg (49466)	Indeno-[1,2,-3-cd]-pyrene, bed sed <2 mm ug/kg (49390)	Iso-phorone bed sed <2 mm, wsv nat field, ug/kg (49400)	Naphth-alene, bed sed <2 mm wsv nat ug/kg (49402)	PCBs, bed sedimnt ug/kg (39519)	p-Cresol, bed sed <2 mm, wsv nat field, ug/kg (49451)	Phenan-threne, bed sed <2 mm, wsv nat field, ug/kg (49409)	Phenan-thri-dine, bed sed <2 mm, wsv nat ug/kg (49393)	Pyrene, bed sed <2 mm, wsv nat field, ug/kg (49387)	Bed sedi-ment, dry svd sve dia percent <62.5um (80164)
Aug										
19...	1,300	E220	<50	E14	103	E6	670	E19	1,300	14