

**ANALYSIS OF STREAMFLOW SAMPLES COLLECTED AT PARTIAL-RECORD STATIONS
OCTORARO CREEK BASIN**

Water-quality partial-record stations are particular sites where chemical-quality, biological, or sediment data are collected systematically over a period of years for use in hydrologic analyses. These data are usually collected less than quarterly.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (µS/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	
01578343 VALLEY CREEK NEAR ATGLEN, PA (LAT 39 56 23N LONG 075 59 06W)											
OCT 1998 22...	1200	80020	1028	2.3	11.8	7.5	354	10.0	120	32	
01578347 EB OCTORARO CREEK NEAR STEELVILLE, PA (LAT 39 52 58N LONG 075 59 31W)											
OCT 1998 22...	0930	80020	1028	13	11.0	7.4	300	9.0	110	28	
DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM (MG/L AS PERCENT (00932)	ANC WATER UNFLTRD IT FIELD (MG/L AS CACO3) (00419)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
01578343 VALLEY CREEK NEAR ATGLEN, PA (LAT 39 56 23N LONG 075 59 06W)											
OCT 1998 22...	10	4.2	.7	17	22	67	28	<.10	11	29	
01578347 EB OCTORARO CREEK NEAR STEELVILLE, PA (LAT 39 52 58N LONG 075 59 31W)											
OCT 1998 22...	10	4.7	.4	9.6	15	52	18	<.10	7.0	24	
DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	ALUM- INUM, DIS- SOLVED (µG/L AS AL) (01106)	ARSENIC DIS- SOLVED (µG/L AS AS) (01000)	BORON, DIS- SOLVED (µG/L AS B) (01020)	CADMIUM DIS- SOLVED (µG/L AS CD) (01025)	
01578343 VALLEY CREEK NEAR ATGLEN, PA (LAT 39 56 23N LONG 075 59 06W)											
OCT 1998 22...		.641	7.76	.055	.144	207	--	--	62	--	
01578347 EB OCTORARO CREEK NEAR STEELVILLE, PA (LAT 39 52 58N LONG 075 59 31W)											
OCT 1998 22...		<.020	7.18	.019	.042	170	<10	<1	26	<1.0	
DATE	TIME	CHRO- MIUM, DIS- SOLVED (µG/L AS CR) (01030)	COPPER, DIS- SOLVED (µG/L AS CU) (01040)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	LEAD, DIS- SOLVED (µG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	MERCURY DIS- SOLVED (µG/L AS HG) (01056)	MOLYB- DENUM, DIS- SOLVED (µG/L AS MO) (01060)	NICKEL, DIS- SOLVED (µG/L AS NI) (01065)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)	
01578343 VALLEY CREEK NEAR ATGLEN, PA (LAT 39 56 23N LONG 075 59 06W)											
OCT 1998 22...		--	--	32	--	--	--	--	--	--	
01578347 EB OCTORARO CREEK NEAR STEELVILLE, PA (LAT 39 52 58N LONG 075 59 31W)											
OCT 1998 22...		<1.0	2.5	18	<1.0	16	<.1	<1.0	<1.0	<20	

ANALYSIS OF STREAMFLOW SAMPLES COLLECTED AT PARTIAL-RECORD STATIONS
OCTORARO CREEK BASIN--Continued

BIOLOGICAL DATA
BENTHIC MACROINVERTEBRATES

Station Number	01578343	01578347
Station Name	Valley Creek near Atglen	East Branch Octoraro Creek near Steelville
Date	10/22/98	10/22/98
Benthic Macroinvertebrate	Count	Count
Platyhelminthes		
Turbellaria (Flatworms)		
Tricladida		
Planariidae	--	22
Nematoda (Nematodes)	--	176
Nemertea (Proboscis Worms)		
Enopla		
Hoploneurata		
Tetrastemmatidae		
<i>Prostoma</i>	--	36
Mollusca		
Gastropoda (Snails)		
Basommatophora		
Ancyliidae		
<i>Ferrissia</i>	14	61
Physidae		
<i>Physa</i>	15	--
Planorbidae		
<i>Gyraulus</i>	2	2
Mesogastropoda		
Hydrobiidae		
<i>Annicola</i>	--	1
Bivalvia (Clams)		
Veneroidea		
Sphaeriidae		
<i>Sphaerium</i>	--	9
Annelida (Segmented Worms)		
Oligochaeta	12	4
Tubificidae		
Naididae	2	20
Hirudinea (Leeches)		
Arhynchobdellida		
Erpobdellidae	--	1
Rhynchobdellida		
Glossiphoniidae	38	--
Arthropoda		
Acariformes		
Hydrachnidia (Water Mites)	--	30
Crustacea		
Amphipoda (Scuds)		
Gammaridae		
<i>Gammarus</i>	--	64
Isopoda (Sow Bugs)		
Asellidae		
<i>Lirceus</i>	10	--
Insecta		
Ephemeroptera (Mayflies)		
Baetidae		
<i>Baetis</i>	--	9
Caenidae		
<i>Caenis</i>	--	5
Ephemeridae		
<i>Ephemerella</i>	--	1
Ephemerellidae		
<i>Eurylophella</i>	--	5
<i>Serratella</i>	--	204
Heptageniidae		
<i>Stenonema</i>	--	113
Isonychiidae		
<i>Isonychia</i>	--	13
Leptohyphidae		
<i>Tricorythodes</i>	--	9
Odonata (Dragonflies and Damselflies)		
Gomphidae	--	1
Plecoptera		
Capniidae	--	2
Taeniopterygidae		
<i>Taeniopteryx</i>	--	4
Megaloptera		
Sialidae (Alderflies)		
<i>Sialis</i>	--	4

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Station Number	01578343	01578347
Station Name	Valley Creek at Atglen	East Branch Octoraro Creek near Steelville
Date	10/22/98	10/22/98
Benthic Macroinvertebrate	Count	Count
Trichoptera (Caddisflies)		
Brachycentridae		
<i>Brachycentrus</i>	--	4
Helicopsychidae		
<i>Helicopsyche</i>	--	4
Hydropsychidae		
<i>Cheumatopsyche</i>	72	360
<i>Hydropsyche</i>	40	383
Hydroptilidae		
<i>Hydroptila</i>	--	88
<i>Leucotrichia</i>	--	158
Leptoceridae		
<i>Mystacides</i>	--	1
Philopotamidae		
<i>Chimarra</i>	1	134
Coleoptera (Beetles)		
Elmidae (Riffle Beetles)		
<i>Ancyronyx</i>	2	--
<i>Dubiraphia</i>	1	--
<i>Optioservus</i>	13	185
<i>Oulimnius</i>	--	25
<i>Stenelmis</i>	289	1,138
Hydrophilidae		
<i>Berosus</i>	--	1
Psephenidae (Water Pennies)		
<i>Psephenus</i>	5	149
Diptera (True Flies)		
Chironomidae (Midges)	142	270
Empididae (Dance Flies)		
<i>Hemerodromia</i>	--	70
Simuliidae (Black Flies)		
<i>Simulium</i>	--	1
Tipulidae (Crane Flies)		
<i>Antocha</i>	1	100
<i>Diranota</i>	--	2
<i>Hexatoma</i>	3	1
<i>Tipula</i>	--	1
Total Organisms	662	3,871
Total Taxa	18	44