

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

01578347 EB OCTORARO CREEK NEAR STEELVILLE, PA

Water-quality partial-record stations are 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 2001 TO SEPTEMBER 2002
MISCELLANEOUS STATION ANALYSES

Date	Time	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	AGENCY COL-LECTING SAMPLE 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)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC WATER UNFLTRD IT FIELD (MG/L AS CACO3) (00419)
OCT 2001 22...	0915	80020	1028	13	9.3	7.3	298	12.0	29.8	10.5	3.93	9.70	63
	Date		CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	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)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	BORON, DIS-SOLVED (µG/L AS B) (01020)	IRON, DIS-SOLVED (µG/L AS FE) (01046)		
	OCT 2001 22...		20.5	6.4	24.3	<.04	6.42	.013	<.02	30	15		

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REMARKS.--Samples were collected using a Hess sampler with a mesh size of 500 μm . Each sample covered a total area of 3.2 m^2 .

BIOLOGICAL DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
BENTHIC MACROINVERTEBRATES

Date	10/22/01
Benthic Macroinvertebrate	Count
Platyhelminthes	
Turbellaria (FLATWORMS)	
Tricladida	
Planariidae	12
Nematoda (NEMATODES)	76
Nemertea (PROBOSAS WORMS)	
Enopla	
Hoplonemertea	
Tetrastemmatidae	
<i>Prostoma sp</i>	4
Mollusca	
Bivalvia (CLAMS)	
Veneroida	
Sphaeriidae	4
Annelida	
Oligochaeta (AQUATIC EARTHWORMS)	
19	
Arthropoda	
Acariformes	
Hydrachnidia (WATER MITES)	33
Crustacea	
Amphipoda (SCUDS)	
Gammaridae	
<i>Gammarus sp</i>	3
Insecta	
Ephemeroptera (MAYFLIES)	
Baetidae	
<i>Baetis sp</i>	17
<i>Pseudocloeon sp</i>	1
Ephemerellidae	
<i>Serratella sp</i>	253
Heptageniidae	
<i>Stenonema sp</i>	83
Isonychiidae	
<i>Isonychia sp</i>	7
Leptohiphidae	
<i>Tricorythodes sp</i>	8
Plecoptera (STONEFLIES)	
Capniidae	4
Taeniopterygidae	
<i>Taeniopteryx sp</i>	9
Hemiptera (TRUE BUGS)	
Veliidae	
<i>Rhagovelia sp</i>	1

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BIOLOGICAL DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
BENTHIC MACROINVERTEBRATES

Date	10/22/01	
Benthic Macroinvertebrate	Count	
Trichoptera (CADDISFLIES)		
Brachycentridae		
<i>Micrasema sp</i>	2	
Helicopsychidae		
<i>Helicopsyche sp</i>	11	
Hydropsychidae		
<i>Cheumatopsyche sp</i>	17	
<i>Hydropsyche sp</i>	133	
Hydroptilidae		
<i>Hydroptila sp</i>	7	
<i>Leucotrichia sp</i>	168	
Philopotamidae		
<i>Chimarra sp</i>	563	
Coleoptera (BEETLES)		
Elmidae (RIFFLE BEETLES)		
<i>Ancyronyx sp</i>	1	
<i>Dubiraphia sp</i>	1	
<i>Optioservus sp</i>	73	
<i>Oulimnius sp</i>	8	
<i>Stenelmis sp</i>	900	
Hydrophilidae		
<i>Berosus sp</i>	1	
Psephenidae (WATER PENNIES)		
<i>Psephenus sp</i>	148	
Diptera (TRUE FLIES)		
Chironomidae (MIDGES)	345	
Empididae (DANCE FLIES)		
<i>Hemerodromia sp</i>	19	
Simuliidae (BLACK FLIES)		
<i>Simulium sp</i>	1	
Tipulidae (CRANE FLIES)		
<i>Antocha sp</i>	24	
<i>Limnophila sp</i>	1	
<i>Tipula sp</i>	1	
Total organisms		2958
Total number of taxa		36