

**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 2002 TO SEPTEMBER 2003
MISCELLANEOUS STATION ANALYSES

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered, $\mu\text{S}/\text{cm}$ 25 degC (00095)	Temperature, water, deg C (00010)	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 unfiltered, titr., field, mg/L as CaCO ₃ (00419)
OCT 2002 22...	1145	1028	80020	12	12.3	7.8	325	8.7	32.5	11.1	5.50	10.7	59

Date	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	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)	Orthophosphate, water, fltrd, mg/L as P (00671)	Boron, water, fltrd, $\mu\text{g}/\text{L}$ (01020)	Iron, water, fltrd, $\mu\text{g}/\text{L}$ (01046)
OCT 2002 22...	22.1	11.9	30.9	<.04	6.87	.017	.09	30	42

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

01578347 EB OCTORARO CREEK NEAR STEELVILLE, PA--Continued

REMARKS.--Samples were collected using a Hess sampler with a mesh size of 500 μm . Each sample covered a total area of 2.4 m².

BIOLOGICAL DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
BENTHIC MACROINVERTEBRATES

Date	10/22/02
Benthic Macroinvertebrate	Count
Platyhelminthes	
Turbellaria (FLATWORMS)	
Tricladida	
Planariidae	140
Nematoda (NEMATODES)	70
Nemertea (PROBOSAS WORMS)	
Enopla	
Hoplonemertea	
Tetrastemmatidae	
<u>Prostoma</u> sp	30
Mollusca	
Gastropoda (SNAILS)	
Basommatophora	
Ancyliidae	
<u>Ferrissia</u> sp	1
Planorbidae	
<u>Gyraulus</u> sp	1
Mesogastropoda	
Hydrobiidae	
<u>Amnicola</u> sp	1
Bivalvia (CLAMS)	
Veneroidea	
Sphaeriidae	
<u>Musculium</u> sp	4
<u>Sphaerium</u> sp	15
Annelida	
Oligochaeta (AQUATIC EARTHWORMS)	
Lumbriculida	
Lumbriculidae	1
Tubificida	
Naididae	5
Hirudinea (LEECHES)	
Arhynchobdellida	
Erpobdellidae	1
Arthropoda	
Acariformes	
Hydrachnidia (WATER MITES)	30
Crustacea	
Amphipoda (SCUDS)	
Crangonyctidae	
<u>Crangonyx</u> sp	10
Gammaridae	
<u>Gammarus</u> sp	9
Isopoda (AQUATIC SOWBUGS)	
Asellidae	
<u>Caecidotea</u> sp	1
Insecta	
Ephemeroptera (MAYFLIES)	
Baetidae	
<u>Baetis</u> sp	6
Caenidae	
<u>Caenis</u> sp	6

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

01578347 EB OCTORARO CREEK NEAR STEELVILLE, PA--Continued

BIOLOGICAL DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
BENTHIC MACROINVERTEBRATES

Date	10/22/02
Benthic Macroinvertebrate	Count
Ephemeroptera	
<u>Serratella</u> sp	560
Heptageniidae	
<u>Stenonema</u> sp	117
Isonychiidae	
<u>Isonychia</u> sp	2
Tricorythidae	
<u>Tricorythodes</u> sp	33
Odonata (DRAGONFLIES AND DAMSELFLIES)	
Coenagrionidae	
<u>Argia</u> sp	2
Plecoptera (STONEFLIES)	
Leuctridae	8
Taeniopterygidae	
<u>Taeniopteryx</u> sp	2
Trichoptera (CADDISFLIES)	
Brachycentridae	
<u>Micrasema</u> sp	3
Glossosomatidae	
<u>Glossosoma</u> sp	1
Helicopsychidae	
<u>Helicopsyche</u> sp	35
Hydropsychidae	
<u>Cheumatopsyche</u> sp	69
<u>Hydropsyche</u> sp	143
Hydroptilidae	
<u>Leucotrichia</u> sp	98
Lepidostomatidae	
<u>Lepidostoma</u> sp	10
Leptoceridae	
<u>Oecetis</u> sp	2
Philopotamidae	
<u>Chimarra</u> sp	897
Coleoptera (BEETLES)	
Elmidae (RIFFLE BEETLES)	
<u>Ancyronyx</u> sp	2
<u>Dubiraphia</u> sp	2
<u>Macronychus</u> sp	2
<u>Optioservus</u> sp	364
<u>Oulimnius</u> sp	14
<u>Stenelmis</u> sp	1350
Psephenidae (WATER PENNIES)	
<u>Psephenus</u> sp	312
Diptera (TRUE FLIES)	
Ceratopogonidae (BITING MIDGES)	1
Chironomidae (MIDGES)	258
Empididae (DANCE FLIES)	
<u>Hemerodromia</u> sp	14
Tipulidae (CRANE FLIES)	
<u>Antocha</u> sp	21
<u>Tipula</u> sp	1
Total organisms	4654
Total number of taxa	45