



Water-Data Report 2007

01473195 UNNAMED TRIBUTARY TO TROUT CREEK UPSTREAM OF CONRAIL AT NEW CENTERVILLE, PA

Lower Delaware Basin
Schuylkill Subbasin

LOCATION.--Lat 40°03'49", long 75°25'34" referenced to North American Datum of 1927, Chester County, PA, Hydrologic Unit 02040203, at Pugh Road in Tredyffrin Township Park, 4.0 mi south of Valley Forge National Historical Park.

DRAINAGE AREA.--0.43 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 2006 to current year.

REMARKS.--Samples were collected as part of the Chester County Biological Monitoring project.

COOPERATION.--Samples were collected with cooperation from the Chester County Water Resources Agency.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 2

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

Date	Time	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Dis- solved oxygen, mg/L (00300)	pH,	pH,	Specif.	Specif-	Temper- ature, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
					water, unfltrd field, std units (00400)	water, unfltrd lab, std units (00403)	conduc- tance, wat unf lab, µS/cm 25 degC (90095)	conduc- tance, wat unf lab, µS/cm 25 degC (00095)					
Oct 25...	1500	80020	.53	10.8	7.4	7.5	226	220	9.9	16.5	6.75	1.45	12.4

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 2 of 2

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

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	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)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Boron, water, fltrd, µg/L (01020)	Iron, water, fltrd, µg/L (01046)
	Oct 25...	40	40	28.9	E.05	7.2	9.14	<.020	2.80	E.001	.011	13

01473195 UNNAMED TRIBUTARY TO TROUT CREEK UPSTREAM OF CONRAIL AT NEW CENTERVILLE, PA—Continued

ECOLOGICAL RECORDS

PERIOD OF RECORD.--October 2006 to current year.

REMARKS.--Samples were collected using a Hess sampler with a mesh size of 500 mm. Three samples were collected and composited.

BIOLOGICAL DATA-BENTHIC MACROINVERTEBRATES

Date	10/25/06
Benthic Macroinvertebrate	
Platyhelminthes	•
Turbellaria (FLATWORMS)	•
Tricladida	•
Planariidae	• 2
Nematoda (NEMATODES)	• 2
Annelida	•
Oligochaeta (AQUATIC EARTHWORMS)	•
Lumbriculida	•
Lumbriculidae	• 17
Arthropoda	•
Crustacea	•
Amphipoda (SCUDS)	•
Gammaridae	•
<i>Gammarus</i>	• 105
Decapoda	•
Cambaridae (CRAYFISH)	• 1
Insecta	•
Ephemeroptera (MAYFLIES)	•
Baetidae	•
<i>Baetis</i>	• 1
Heptageniidae	•
<i>Maccaffertium</i>	• 4
Odonata (DRAGONFLIES AND DAMSELFLIES)	•
Gomphidae	• 3
Trichoptera (CADDISFLIES)	•
Glossosomatidae	•
<i>Glossosoma</i>	• 1
Hydropsychidae	•
<i>Cheumatopsyche</i>	• 21
<i>Diplectrona</i>	• 141
<i>Hydropsyche</i>	• 30
Philopotamidae	•
<i>Chimarra</i>	• 9
<i>Dolophilodes</i>	• 44
Coleoptera (BEETLES)	•
Elmidae (RIFFLE BEETLES)	•
<i>Optioservus</i>	• 20

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Date	10/25/06
Benthic Macroinvertebrate	
<i>Oulimnius</i>	• 42
Psephenidae (WATER PENNIES)	•
<i>Ectopria</i>	• 2
Diptera (TRUE FLIES)	•
Chironomidae (MIDGES)	• 18
Simuliidae (BLACK FLIES)	•
<i>Simulium</i>	• 5
Tipulidae (CRANE FLIES)	•
<i>Pseudolimnophila</i>	• 7
Total Organisms	475