

CONESTOGA RIVER BASIN

01576528 UNNAMED TRIBUTARY TO BIG SPRING RUN NEAR WILLOW STREET, PA

LOCATION.--Lat 39°59'49", long 76°15'20", Lancaster County, Hydrologic Unit 02050306, 100 ft below pond, 0.7 mi northwest of Lampeter, and 1.5 mi northeast of Willow Street.

DRAINAGE AREA.--1.21 mi<sup>2</sup>.

PERIOD OF RECORD.--September 1993 to May 2001 (discontinued).

REMARKS.--Land surface elevation is 325 ft, from topographic map.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	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)	NITRO-GEN, AM-MONIA DIS-SOLVED (MG/L) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L) (00623)
MAY 2001											
09...	1045	80020	1028	.84	7.9	10.4	7.7	683	15.4	E.028	.39
09...	1130	80020	1028	--	--	--	--	--	--	--	--

  

DATE	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L) AS N (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L) AS N (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L) AS N (00613)	PHOS-PHORUS DIS-SOLVED (MG/L) AS P (00666)	PHOS-PHORUS TOTAL (MG/L) AS P (00665)	PERI-PHYTON BIOMASS ASH WEIGHT (G/SQ M) (00572)	PERI-PHYTON BIOMASS DRY WEIGHT (G/SQ M) (00573)	PHEO-PHYTIN A, PERI-PHYTON (MG/M <sup>2</sup> ) (62359)	CHLOR-A PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M <sup>2</sup> ) (70957)	SEDI-MENT, SUS-PENDEDED (MG/L) (80154)
MAY 2001										
09...	.56	8.63	.056	.027	.048	--	--	--	--	10
09...	--	--	--	--	--	298.4	311.7	6.5	16.2	--

## CONESTOGA RIVER BASIN

## 01576528 UNNAMED TRIBUTARY TO BIG SPRING RUN NEAR WILLOW STREET, PA--Continued

BIOLOGICAL DATA, MAY 2000 TO MAY 2001  
BENTHIC MACROINVERTEBRATES

REMARKS.--Rapid bioassessments for benthic macroinvertebrates were conducted in May 2000 to May 2001. Samples represent counts per 200-organism (approximate) subsamples.

Benthic Macroinvertebrate	May 2000	Sept. 2000	May 2001
Platyhelminthes	--	--	--
Turbellaria (FLATWORMS)	--	--	--
Tricladida	--	--	--
Planariidae	1	--	1
Annelida	--	--	--
Oligochaeta (AQUATIC EARTHWORMS)	--	--	--
Lumbriculida	--	--	--
Lumbriculidae	--	--	--
Lumbriculus sp	--	1	--
Haplotaxida	--	--	--
Tubificidae	5	--	--
Limnodrilus hoffmeisteri	2	--	1
Limnodrilus sp	--	5	2
Naididae	--	--	1
Nais sp	6	--	4
Hirudinea (LEECHES)	--	--	--
Pharyngobdellida	--	--	--
Erpobdellidae	--	--	--
Erpobdella punctata	1	--	--
Erpobdella sp	1	--	--
Arthropoda	--	--	--
Crustacea	--	--	--
Ostracoda (SEED SHRIMP)	--	1	--
Isopoda (AQUATIC SOWBUGS)	--	--	--
Asellidae	--	--	--
Caecidotea sp	10	--	3
Amphipoda (SCUDS)	--	--	--
Gammaridae	--	--	--
Gammarus pseudolimnaeus	109	--	139
Gammarus sp	--	50	--
Insecta	--	--	--
Pterygota	--	--	--
Ephemeroptera (MAYFLIES)	--	--	--
Baetidae	--	--	--
Baetis flavistriga	--	7	--
Odonata	--	--	--
Coenagrionidae (DAMSELFLIES)	--	--	--
Enallagma sp	--	1	--
Coleoptera (BEETLES)	--	--	--
Dytiscidae (PREDACEOUS DIVING BEETLES)	--	--	1
Agabus sp	2	--	1
Psephenidae (RIFLE BEETLES)	--	--	--
Ectopria sp	--	--	1
Elmidae	--	6	--
Dubiraphia sp	1	37	3
Optioservus sp	4	17	4
Stenelmis sp	2	33	7
Trichoptera (CADDIS FLIES)	--	--	--
Hydropsychidae	--	--	--
Cheumatopsyche sp	--	3	--
Hydroptilidae	--	--	--
Hydroptila sp	--	1	1

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BIOLOGICAL DATA, MAY 2000 TO MAY 2001  
BENTHIC MACROINVERTEBRATES--Continued

Benthic Macroinvertebrate	May 2000	Sept. 2000	May 2001
Diptera	--	--	--
Ceratopogonidae (BITING MIDGES)	--	--	--
<i>Bezzia/Palpomyia</i> sp	1	1	--
Simuliidae (BLACK FLIES)	--	--	--
<i>Simulium vittatum</i> complex	10	--	--
<i>Simulium</i> sp	5	--	12
Empididae	--	--	--
<i>Hemerodromia</i> sp	--	3	--
Chironomidae (MIDGES)	--	--	--
Tanypodinae	--	--	--
<i>Procladius</i> sp	3	--	--
<i>Thienemannimyia</i> gr sp	--	6	--
Orthoclaadiinae	--	--	--
<i>Cricotopus bicinctus</i>	1	--	--
<i>Cricotopus vierriensis</i>	2	--	--
<i>Cricotopus</i> sp	5	--	--
<i>Orthocladus</i> sp	6	--	4
Parametriocnemus sp	2	3	--
<i>Parakiefferiella</i> sp	--	--	2
<i>Rheocricotopus</i> sp	1	--	--
Chironominae	--	--	--
<i>Chironomus</i> sp	4	1	--
<i>Cryptochironomus</i> sp	--	1	--
<i>Dicrotendipes</i> sp	8	1	--
<i>Micropsectra</i> sp	8	--	--
<i>Paratendipes</i> sp	--	2	--
<i>Phaenopsectra</i> sp	--	2	--
<i>Polypedilum</i> sp	--	2	--
<i>Rheotanytarsus</i> sp	--	13	1
<i>Stictochironomus</i> sp	4	--	6
<i>Tanytarsus</i> sp	--	1	--
Total organisms	204	198	194