

CONESTOGA RIVER BASIN

01576519 BIG SPRING RUN BELOW WILLOW BRANCH NEAR WILLOW STREET, PA

LOCATION.--Lat 39°59'35", long 76°15'46", Lancaster County, Hydrologic Unit 02050306, 0.2 mi north of U.S. Route 222 and 150 ft west of Gypsy Hill Road, and 1.1 mi northeast of Willow Street.

DRAINAGE AREA.--1.62 mi².

PERIOD OF RECORD.--May 1996 to May 2001 (discontinued).

REMARKS.--Land surface elevation is 315 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 AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
MAY 2001											
09...	0930	80020	1028	1.9	16	10.3	7.6	751	13.2	.068	.22
09...	1030	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 TOTAL DRY WEIGHT G/SQ M (00573)	PHEO-PHYTIN A, PERI-PHYTON (MG/M ²) (62359)	CHLOR-A PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M ²) (70957)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
MAY 2001										
09...	.41	8.13	.052	.031	.054	--	--	--	--	35
09...	--	--	--	--	--	529.6	554.8	14	36.1	--

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01576519 BIG SPRING RUN BELOW WILLOW BRANCH NEAR WILLOW STREET, PA--Continued

BIOLOGICAL DATA, MAY 2000 TO MAY 2001
BENTHIC MACROINVERTEBRATES

REMARKS.--Rapid bioassessments for benthic macroinvertebrates were conducted from 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	2	2	--
Annelida	--	--	--
Oligochaeta (AQUATIC EARTHWORMS)	--	--	--
Haplotaxida	--	--	--
Enchytraeidae	1	--	--
Tubificidae	10	--	--
<u>Limnodrilus hoffmeisteri</u>	1	--	--
Naididae	--	--	--
<u>Nais bretscheri</u>	8	--	--
<u>Nais sp</u>	8	--	--
Arthropoda	--	--	--
Crustacea	--	--	--
Ostracoda (SEED SHRIMP)	--	1	--
Amphipoda (SCUDS)	--	--	--
Gammaridae	--	--	--
<u>Gammarus pseudolimnaeus</u>	107	--	163
<u>Gammarus sp</u>	--	153	--
Insecta	--	--	--
Pterygota	--	--	--
Coleoptera (BEETLES)	--	--	--
Elmidae	--	--	--
<u>Dubiraphia sp</u>	--	--	7
<u>Optioservus sp</u>	--	4	4
<u>Stenelmis sp</u>	--	6	2
Diptera	--	--	--
Simuliidae (BLACK FLIES)	--	--	--
<u>Simulium vittatum complex</u>	37	--	--
<u>Simulium sp</u>	4	--	1
Empididae	--	--	--
<u>Hemerodromia sp</u>	--	1	--
Chironomidae (MIDGES)	--	--	--
Tanypodinae	--	--	--
<u>Thienemannimyia gr sp</u>	1	1	--
Orthocladiinae	--	2	--
<u>Cricotopus bicinctus</u>	1	--	--
<u>Cricotopus trifascia gr</u>	1	--	5
<u>Cricotopus vierriensis</u>	2	--	--
<u>Cricotopus sp</u>	11	--	1
<u>Orthocladus sp</u>	7	--	5
<u>Parakiefferiella sp</u>	--	--	3
<u>Parametricnemus sp</u>	1	--	--
Chironominae	--	--	--
<u>Dicrotendipes sp</u>	2	16	3
<u>Micropsectra sp</u>	1	--	--
<u>Paratendipes albimanus</u>	1	--	--
<u>Paratendipes sp</u>	--	--	2
<u>Tanytarsus sp</u>	1	1	--
Total organisms	207	187	196