

CONESTOGA RIVER BASIN

01576525 SOUTH FORK UNNAMED TRIBUTARY TO BIG SPRING RUN AT LAMPETER, PA

LOCATION.--Lat 39°59'23", long 76°14'55", Lancaster County, Hydrologic Unit 02050306, 40 ft upstream of culvert on SR 741, and 0.5 mi west of Lampeter.

DRAINAGE AREA.--0.33 mi².

PERIOD OF RECORD.--June 1993 to current year.

REMARKS.--Land surface elevation is 361 ft, from topographic map. Some values for "dissolved" parameters exceed values for the corresponding "total" parameter. These results are within the limits of analytical precision and methods.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL- LECTING SAMPLE (CODE 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)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 1998										
07...	1015	80020	1028	.13	9.9	7.5	531	12.5	.048	.13
15...	1110	80020	1028	.11	9.8	7.6	582	12.3	.060	.17
27...	0905	80020	1028	.14	12.9	7.6	528	11.8	.029	.11
NOV										
05...	1125	80020	1028	.12	11.3	7.7	530	9.8	.034	.16
DEC										
15...	1215	80020	1028	.17	12.6	7.6	576	9.6	.037	.12
JAN 1999										
13...	1115	80020	1028	.09	--	7.6	598	8.1	.028	.22
FEB										
09...	1105	80020	1028	.18	10.8	7.6	691	7.8	<.020	.17
MAR										
09...	1150	80020	1028	.20	13.1	7.6	669	6.9	<.020	.21
APR										
08...	1320	80020	1028	.21	10.7	7.6	555	14.4	<.020	.55
20...	1205	80020	1028	.26	11.1	7.7	582	10.1	.045	.20
29...	0930	80020	1028	.24	11.0	7.6	556	12.3	.046	.24
MAY										
11...	0905	80020	1028	.22	10.0	7.4	441	12.8	.070	.25
19...	1045	80020	1028	.20	8.6	7.3	598	14.4	.054	.26
28...	0950	80020	1028	.17	8.9	7.4	609	13.1	.072	.21
JUN										
10...	1025	80020	1028	.14	--	7.5	585	13.9	.033	.21
18...	1130	80020	1028	.19	14.8	7.5	588	14.5	.057	.40
28...	1135	80020	1028	.12	8.5	7.3	595	14.9	.057	.14
JUL										
07...	1030	80020	1028	.12	--	7.3	573	14.8	.070	.20
20...	1105	80020	1028	.05	7.9	7.6	555	13.9	.122	.30
28...	0930	80020	1028	.04	8.1	6.9	552	13.9	.053	.22
AUG										
04...	1035	80020	1028	.04	8.9	7.3	554	13.6	.028	E.10
17...	1130	80020	1028	.03	8.5	7.5	553	14.0	.020	.17
17...	1131	80020	1028	.03	8.5	7.5	553	14.0	<.020	<.10
27...	1010	80020	1028	.03	8.4	7.3	578	14.5	<.020	.15
SEP										
08...	1015	80020	1028	.02	8.3	7.4	584	15.0	<.020	.25
22...	1150	80020	1028	.32	9.2	7.3	1100	13.5	.027	.49
28...	0925	80020	1028	.20	9.0	7.2	806	14.3	.065	.28

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01576525 SOUTH FORK UNNAMED TRIBUTARY TO BIG SPRING RUN AT LAMPETER, PA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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 ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	TUR- BID- ITY (NTU) (00076)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	SEDI- MENT, SUS- PENDEED (MG/L) (80154)
OCT 1998									
07...	.20	11.3	.049	<.050	.022	<.050	1.5	1200	7
15...	.31	12.3	.055	<.050	.023	E.038	5.5	--	22
27...	.36	11.7	.029	<.050	.025	<.050	3.5	--	7
NOV									
05...	.22	11.8	.023	<.050	--	<.050	2.0	K130	8
DEC									
15...	.12	11.4	.021	<.050	--	<.050	1.0	160	3
JAN 1999									
13...	.30	11.1	.015	.033	--	.052	3.0	570	18
FEB									
09...	.52	12.0	.024	.012	--	.031	3.5	39	17
MAR									
09...	.28	10.9	.025	.012	--	.030	4.0	62	25
APR									
08...	.43	11.4	.043	.009	--	.040	5.0	--	11
20...	.47	11.4	.031	.011	--	.037	2.5	260	10
29...	.49	10.5	.027	.015	--	.052	3.0	--	11
MAY									
11...	1.0	10.3	.095	.015	--	.095	3.0	--	8
19...	.37	11.5	.089	.018	--	.043	4.0	1200	19
28...	.36	11.8	.079	.019	--	.043	5.5	--	22
JUN									
10...	.25	11.1	.061	.021	--	.030	3.0	2600	28
18...	1.0	9.37	.052	.017	--	.117	6.5	--	16
28...	.27	10.6	.040	.021	--	.035	6.5	--	20
JUL									
07...	.21	10.6	.039	.021	--	.035	4.0	1800	22
20...	.30	11.6	.031	.014	--	.027	3.0	--	17
28...	.19	11.6	.010	.019	--	.030	4.5	--	19
AUG									
04...	.19	11.0	<.010	.018	--	.030	2.8	2600	13
17...	.18	11.5	<.010	.016	--	.038	4.9	--	15
17...	.19	10.4	<.010	.021	--	.038	4.9	--	13
27...	.67	9.18	<.010	.021	--	.042	1.8	--	4
SEP									
08...	.40	9.28	<.010	.022	--	.048	4.4	--	11
22...	1.5	8.69	.062	.048	--	.167	9.0	2300	18
28...	.43	10.0	.079	.021	--	.036	3.8	--	11