

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT 1999										
06...	1030	80020	1028	.29	9.5	7.5	795	11.6	.30	.47
14...	1135	80020	1028	.31	9.4	7.6	765	12.0	.23	.42
25...	1130	80020	1028	.31	9.1	7.4	687	10.7	.17	.31
NOV										
02...	1140	80020	1028	.25	10.0	7.4	688	13.2	.23	.27
02...	1141	80020	1028	.25	10.0	7.4	688	13.2	.30	.33
12...	1040	80020	1028	.20	9.5	7.5	615	10.4	.17	.17
22...	1000	80020	1028	.21	10.1	7.5	635	11.6	.20	.22
DEC										
07...	1120	80020	1028	.29	11.6	7.8	773	9.5	.23	2.5
JAN 2000										
05...	1125	80020	1028	.34	10.8	7.7	909	8.0	.18	.26
FEB										
09...	1200	80020	1028	.23	10.8	7.6	808	6.8	.25	.28
MAR										
24...	1110	80020	1028	.61	11.8	7.6	749	12.0	.42	.55
APR										
05...	1030	80020	1028	.52	11.6	7.7	676	10.1	.20	.53
19...	1035	80020	1028	.51	10.8	7.6	799	10.6	.33	.82
25...	0925	80020	1028	.50	11.3	7.6	675	11.7	.20	.72
MAY										
08...	0945	80020	1028	.36	9.5	7.5	628	15.0	.24	.43
17...	0920	80020	1028	.40	9.7	7.4	665	13.3	.37	.50
26...	1110	80020	1028	.44	10.6	7.6	632	14.4	.32	.36
JUN										
07...	0950	80020	1028	.39	9.9	7.5	683	13.2	.27	.40
16...	0955	80020	1028	.37	10.7	7.5	660	14.9	.24	.38
23...	1015	80020	1028	.37	10.2	7.4	724	15.6	.33	.43
JUL										
05...	1225	80020	1028	.26	11.1	7.5	691	16.6	.25	.40
14...	1020	80020	1028	.34	11.2	7.4	676	15.0	.30	.46
25...	1030	80020	1028	.28	10.1	7.5	658	14.6	.22	.30
AUG										
02...	0900	80020	1028	.20	12.0	7.4	663	15.3	.21	.49
14...	1210	80020	1028	.22	6.3	7.6	625	14.3	--	.23
22...	1345	80020	1028	.17	10.5	7.6	602	14.3	.13	.19
SEP										
05...	0900	80020	1028	.17	8.5	7.6	696	13.8	.26	.39
14...	1210	80020	1028	.24	9.2	7.8	677	14.4	.26	.61
28...	1225	80020	1028	.28	11.6	7.8	713	13.3	.33	.43

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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 1999									
06...	<.020	10.5	.078	.018	--	.057	6.8	--	8
14...	.050	11.4	.065	.017	--	.035	4.4	320	16
25...	.028	11.7	.055	.011	--	.021	3.9	--	11
NOV									
02...	.021	10.8	.066	.009	--	.031	2.3	180	12
02...	.020	10.8	.066	.011	--	.030	2.3	180	17
12...	.044	11.1	.116	.011	--	.018	1.5	--	8
22...	<.020	11.6	.062	.011	--	.019	1.8	--	12
DEC									
07...	<.020	10.4	.042	.013	--	.395	4.7	K700	7
JAN 2000									
05...	.032	10.8	.095	.011	--	.030	1.2	68	10
FEB									
09...	.076	10.9	.052	.012	--	.018	3.4	60	6
MAR									
24...	<.020	10.5	.032	.017	--	.070	25	480	22
APR									
05...	.054	10.9	.059	.008	--	.058	7.1	--	8
19...	.051	10.2	.069	.021	--	.120	16	540	10
25...	<.020	10.9	.044	.013	--	.084	11	--	8
MAY									
08...	.044	10.9	.089	.018	--	.039	16	--	15
17...	.087	10.3	.200	.021	--	.044	12	1300	17
26...	.041	10.6	.130	.022	--	.048	16	--	18
JUN									
07...	.061	10.4	.090	.018	.011	.043	9.1	--	14
16...	.044	10.7	.081	.018	--	.041	9.6	--	14
23...	<.020	10.3	.066	.041	--	.055	14	7600	35
JUL									
05...	.059	10.2	.075	.018	--	.046	10	--	17
14...	.038	10.2	.055	<.050	--	.044	12	22000	18
25...	.038	9.78	.050	.017	--	.036	7.6	--	9
AUG									
02...	.030	11.1	.040	.023	--	.066	8.9	--	14
14...	.049	10.6	.023	.034	--	.024	7.5	630	18
22...	.028	10.1	.032	.014	--	.026	--	--	13
SEP									
05...	.061	9.29	.038	.030	--	.058	12	--	30
14...	.049	10.0	.037	.025	--	.080	15	--	13
28...	.048	9.86	.033	.033	--	.070	11	710	13