

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 July 2001 (discontinued).

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 2000 TO SEPTEMBER 2001

DATE	TIME	AGENCY ANA-LYZING SAMPLE NUMBER (00028)	AGENCY COL-LECTING SAMPLE NUMBER (00027)	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, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 2000											
04...	1115	80020	1028	.19	7.5	10.2	7.8	503	13.6	.044	.19
16...	1130	80020	1028	.20	7.1	9.1	7.6	707	12.6	.041	.18
24...	1020	80020	1028	.16	7.7	9.9	7.8	671	11.3	.059	.18
NOV											
02...	0845	80020	1028	.17	8.5	11.3	7.8	641	9.7	.041	.16
14...	1030	80020	1028	.24	--	9.6	7.5	895	10.3	<.041	.43
DEC											
12...	1000	80020	1028	.14	5.6	10.5	8.6	672	8.8	.061	.25
JAN 2001											
09...	1015	80020	1028	--	3.6	11.3	--	792	6.8	E.029	.31
FEB											
13...	1010	80020	1028	.38	13	12.3	8.0	805	7.9	<.041	.16
MAR											
12...	1000	80020	1028	.37	9.1	10.4	7.5	514	7.8	E.023	.23
29...	1115	80020	1028	.37	12	12.0	8.3	707	9.4	<.041	.15
APR											
10...	1115	80020	1028	.48	13	11.5	8.0	785	12.5	<.041	.21
19...	1130	80020	1028	.49	15	11.6	7.7	1050	10.2	<.041	.37
MAY											
01...	1045	80020	1028	.44	11	11.3	7.4	724	13.5	E.024	.17
09...	1030	80020	1028	.33	12	10.1	7.5	693	13.5	<.041	.24
16...	1320	80020	1028	.28	13	11.8	7.9	643	14.6	E.034	.18
29...	1130	80020	1028	.28	16	10.6	7.5	1060	14.4	.048	.39
JUN											
07...	1100	80020	1028	.29	17	8.8	7.3	869	14.1	<.040	.24
19...	1045	80020	1028	.21	19	9.2	7.8	864	15.8	E.039	.29
JUL											
03...	1155	80020	1028	.35	14	10.4	7.9	777	15.0	E.028	.21

DATE	NITRO-GEN, AMMONIA + 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)	FECAL STREP, KF STRP MF, WATER (COL/100 ML) (31673)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT 2000								
04...	.27	9.77	.026	.018	--	.034	--	13
16...	.41	10.9	.030	.015	--	.036	--	9
24...	.28	10.4	.030	.014	--	.035	480	26
NOV								
02...	.23	10.4	.023	.014	--	.023	--	17
14...	.50	9.35	.044	.024	--	.050	7200	17
DEC								
12...	.26	10.7	.022	.016	--	.024	480	6
JAN 2001								
09...	.22	11.2	.032	.013	--	.022	68	12
FEB								
13...	.98	10.7	.018	.016	--	.140	100	8
MAR								
12...	.73	11.2	.023	.012	E.012	.079	40k	6
29...	1.1	10.7	.018	.010	--	.122	--	7
APR								
10...	.70	10.4	.035	.012	--	.077	--	25
19...	1.3	10.2	.036	.014	--	.149	--	13
MAY								
01...	.30	10.7	.049	.011	--	.038	310	19
09...	.40	10.5	.072	.015	--	.038	--	15
16...	.31	10.9	.031	.018	--	.043	--	14
29...	.52	10.1	.080	.032	--	.066	1200	19
JUN								
07...	.37	10.3	.067	.024	--	.051	--	28
19...	.41	10.2	.093	.025	E.015	.054	1100	23
JUL								
03...	.38	10.7	.058	.016	<.020	.034	--	17