

# 1998-1999 FCFEP Water Quality Data

The following data were collected by participating French Creek Environmental Education Project schools.

FRENCH CREEK WATERSHED SCHOOLS																	
Site # /School	Date	Temp. (°C)	pH	TDS (mg/L)	DO (mg/L)	NO <sub>3</sub> -N (mg/L)	P (mg/L)	Alk (mg/L)	Turb (JTU)	Sulfate (mg/L)	Fe (mg/L)	WQI value	Weather (past 24 hr)	Creek Appearance	Stage (m)	Flow (m/s)	Discharge (m <sup>3</sup> /s)
1 Maplewood Site A	6/28/1998	17	7.6	40	9	0	0	68	0			4.50					
1 Maplewood Site A	7/5/1998	16	7.4	60	6	0.2	0.04	68	5			10.20					
1 Maplewood Site A	7/18/1998	18	7.3	50	5	0.2	0.06	68	5			12.00					
1 Maplewood Site A	8/2/1998	18	7.5	140	4	0.1	0.06	68	5			10.10					
1 Maplewood Site A	8/16/1998	18	7.4	160	4	0.12	0.07	68	5			11.25					
1 Maplewood Site A	10/27/1998	10	7.7	80	6	0.2	0.23	68	15			15.85					
1 Maplewood Site A	11/2/1998	8	8.3	100	6	0.05	0.21	68	5			16.85					
1 Maplewood Site A	11/11/1998	7	8.3	100	9	0.05	0.11	51	5			13.25					
1 Maplewood Site A	11/24/1998	6	7.9	140	7	0.05	0.13	68	5			11.75					
1 Maplewood Site A	12/2/1998	8	8.3	90	11	0.07	0.07	68	5			11.45					
1 Maplewood Site A	12/9/1998	7	7.2	140	11	0.07	0.33	68	5			11.35					
1 Maplewood Site A	12/16/1998	4	8.1	220	12	0.05	0.33	68	5			12.85					
1 Maplewood Site A(9:30)	2/2/1999	1	7.7	20	14	0	0.04	51	7			3.80	clear	beautiful			
1 Maplewood Site A(10:15)	2/2/1999	2	7.2	30	14	0	0.05	68	2.7			3.89	light rain				
1 Maplewood Site A(12:00)	2/2/1999	2	7.3	30	14	0.2	0.06	51	2			5.10	light rain				
1 Maplewood Site A(2:00)	2/2/1999	3	7.4	30	15	0.62	0	51	2.5			7.00	light rain				
1 Maplewood Site A(10:50)	2/10/1999	1	7.7	30	12	0	0.01	34	0			3.35	clear				
1 Maplewood Site A(3:00)	2/10/1999	5	7.8	30	13	0.01	0.03	34	0			3.85	clear				
1 Maplewood Site A	2/17/1999	3	8	20	13	0.09	0	68	0			5.80	rain				
1 Maplewood Site A	3/10/1999	2	7.6	30	15	0.05	0.2	51	5			4.80	light snow	partially frozen	0.13		
1 Maplewood Site A	3/17/1999	2	8.1	30	12	0.03	0.05	68	1			7.65	clear	clear			
1 Maplewood Site A	3/31/1999	11	7.6	20	11	0	0.01	51	5			4.25	clear		0.12		
1 Maplewood Site B	6/28/1998	17	8.1	40	8	0.03	0.03	51	5			10.95	clear				
1 Maplewood Site B	7/5/1998	18	8.6	90	4	0.03	0.01	68	5			17.45					
1 Maplewood Site B	11/16/1998	5	6.5	90	6	0.04	0.167	85	0			16.71					
1 Maplewood Site B	11/24/1998	5	7.1	210	8	0.033	0.67	68	0			17.98					
1 Maplewood Site B	12/1/1998	7	7.1	100	6	0.1	0.22	68	0			13.30					
1 Maplewood Site B	12/7/1998	5	7.1	90	10	0.02	0.167	85	0			8.91					
1 Maplewood Site B	12/23/1999	0	7.1	50	12	0.08	0.25	51	0			9.35					
1 Maplewood Site B	3/31/1999	8	7.6	20	13	0	0.03	34	5			3.15	clear				
2 Bethesda	10/5/1998	12.5	7.6	120	10	0.015	0.035	153	5			5.48			higher		
2 Bethesda	12/2/1998	4.5	6.8	95	13.5	0	0	144.5	5			7.15					
2 Bethesda	1/7/1999	-1	6.25	90	11.5	0	0	110.5	2.5			12.45					
2 Bethesda	2/11/1999	2	6.4	40	11	0.1	0.013	85	5			13.30			lower		
2 Bethesda	4/8/1999	13.5	7.05	55	10.5	0	0.04	119	7.5			8.35					
2 Bethesda	9/30/1999	13.5	7.6	120	10	0.015	0.035	153	5			5.48					
2 Bethesda	4/29/1999	13.5	7.1	NA	12	0	0.0013	161.5	5			5.82	sunny			swift	
2 Bethesda	5/27/1999	12	7.05	40	10.5	0	0.013	85	5			7.45	sunny		lower		
3 Bethesda	9/11/1998	19.5	7.4	90	7	0	0.026	68	5			7.29	sunny		lower		
3 Bethesda	10/21/1998	12	7.2	100	10.5	0	0.045	110.5	5			6.73					
3 Bethesda	11/18/1998	6	7	80	8	0.01	0	110.5	0			8.50					
3 Bethesda	12/15/1998	5	7	85	7.5	0	0.045	nodata	0.05			9.44					
3 Bethesda	1/28/1999	0	7.1	50	14	0.1	0.015	60	18			8.23			very high		
3 Bethesda	2/25/1999	2	6.75	45	13	0	0.013	11.9	5			8.10			lower		
3 Bethesda	3/10/1999	1.75	6.7	65	15.5	0	0	85	5			6.55	clear		lower		
3 Bethesda	4/15/1999	9.5	6.9	50	10.5	0	0.032	76.5	7			9.33	rainny		higher		
3 Bethesda	5/13/1999	16	6.95	50	12.5	0	0.003	93.5	5			6.70	sunny		very low		



1998-1999

Site # /School	Date	Temp. (°C)	pH	TDS (mg/L)	DO (mg/L)	NO <sub>3</sub> -N (mg/L)	P (mg/L)	Alk (mg/L)	Turb (JTU)	Sulfate (mg/L)	Fe (mg/L)	WQI value	Weather (past 24 hr)	Creek Appearance	Stage (m)	Flow (m/s)	Discharge (m <sup>3</sup> /s)
9 Sherman Central	10/11/1998	17	7.85	215	10.5	0.45	0.003	187	20			14.00					
9 Sherman Central	10/22/1998	9	7.6	185	11.5	0.4	0.013	153	5			7.95					
9 Sherman Central	2/18/1999	5	7.05	no data	16.5	0.5	0.013	76.5	12.5			9.75	light rain	clear	4.00		
9 Sherman Central	12/3/1998	10	8	134	10.5	0.4	0.02	119	17.5			14.45	warm, clear				
16 Conneaut Lake	9/16/1998	22	7.3	250	6	0.94	0.17	170	30			25.35					
16 Conneaut Lake	10/7/1998	17	8.55	155	8	0.625	0.033	153	10			21.55					
16 Conneaut Lake	10/28/1998	10	6.6	150	5.5	0	0.0065	493	25			18.45			4.00		
16 Conneaut Lake	2/17/1999	4.25	7	60	8.5	0.075	0	85	10			10.80					
16 Conneaut Lake	12/9/1998	9	7.6	9	7	0	0.0745	229.5	12.5			9.52					
16 Conneaut Lake	3/10/1999	15	2	8.55	9.5	0	0	119	10								
17 Conneaut Lake	9/16/1998	22.5	7.5	180	14.5	0	0.12	204	30			7.65					
17 Conneaut Lake	10/7/1998	17	8.1	285	9	0.625	0.21	170	15			20.90					
17 Conneaut Lake	10/28/1998	10	7.2	160	5.5	0	0.057	195.5	10			11.41					
17 Conneaut Lake	12/9/1998	9	7.4	9	9.5	0	0.153	102	7.5			7.95					
17 Conneaut Lake	2/17/1999	5	7.25	70	6	0	0.007	85	10			9.91					
17 Conneaut Lake	3/10/1999	0.5	8.1	80	9	0	0	127.5	5			9.50					
18 Conneaut Lake	9/16/1998	24	7.8	100	8.5	0	0.027	127.5	7.5			8.36			1.00		
18 Conneaut Lake	10/7/1998	19.5	8.45	95	8.5	0.5	0.027	85	2.5			17.56			4.00		
18 Conneaut Lake	10/28/1998	15	7.3	80	10.5	1	0	306	5			15.25			4.00		
18 Conneaut Lake	12/9/1998	10	7	8	10	0	0	127.5	5			8.00					
18 Conneaut Lake	2/17/1999	17	3	7.4	60	12	0.1	102	5			126.50					
18 Conneaut Lake	3/10/1999	1	8.05	100	6	0	0	102	0			10.20					
19 Clymer Central	10/27/1998	10	7.7	130	13	0.01	0.027	153	15			6.01			1.00		
19 Clymer Central	12/3/1998	10	8.1	14	8	0.08	0.033	136	10			12.50			very low		
19 Clymer Central	1/19/1999	1	7.8	90	13	0	0.02	85	5			4.60					
19 Clymer Central	4/13/1999	11	8.6	no data	11	0.04	0.027	85	2.5			12.41					
21 Cambridge Springs	9/24/1998	9	6.6	120	5.5	0	0	127.5	6.75			14.70	cloudy	almost dry	0.10		
21 Cambridge Springs	10/14/1998	9.5	6.9	nodata	nodata	0	0	86	10						0.15		
21 Cambridge Springs	11/9/1998	8	7.1	185	12	0	0	153	5		0	5.80					
21 Cambridge Springs	11/25/1998	5	7.6	170	7	0	0	136	10		0	7.90	clear, cold	clear, flowing finally	0.14	0.09	0.09
21 Cambridge Springs	12/6/1998	0	7.75	110	12.5	0	0	61.2	10		0	5.25	cloudy	iced over	0.17	low	
21 Cambridge Springs	1/27/1999	-2	7.6	212.5	13.5	0	0	34	50			11.35	snow	clear			
21 Cambridge Springs	1/6/1999	0	7.1	212.5	15.5	0	0	136	80		0	18.35	snowy, cold	brown, iced over			
21 Cambridge Springs	3/10/1999	2	8.1	90	11	0	0	40.8	20			11.10	snow, cold		normal		
21 Cambridge Springs	3/31/1999	11	7.5	90	10.5	0	0	40.8	30		0	8.65	clear	algal growth heavy	0.07	0.25	43
22 Cochrannton	9/11/1998	18.5	7.95	145	12	3.63	no data	93.5	nodata				rain then sun				
22 Cochrannton	9/25/1998	19	8.2	160	9.5	0.35	0.14	136	nodata				cool, overcast				
22 Cochrannton	10/6/1998	11.5	7.75	150	7.5	no data	0.137	136	nodata				rain then sun				
22 Cochrannton	10/30/1998	12	8.1	155	8.5	0.04	0.0483	136	5			10.97	sunny, cool		average	fast	
22 Cochrannton	11/13/1998	7	7.6	120	12.5	0.065	0.034	127.5	7.5			4.71	rainy				
22 Cochrannton	11/24/1998	7	8.65	120	12	0.09	0.023	119	5			13.05	cool, sunny			moderate	
22 Cochrannton	12/10/1998	6.5	8.4	80	11.5	0.0755	0.0283	110.5	5			11.33	cool, clear		low	moderate	
23 Cochrannton	9/10/1998	14.5	8.6	135	11.5	no data	0.0127	144.5	nodata				rain then sun				
23 Cochrannton	9/24/1998	12	8.7	135	nodata	0	0.0077	136	nodata				heavy rain			moderate	
23 Cochrannton	10/29/1998	8	8.2	120	13.5	0.03	0.018	127.5	2.5			7.22	sunny, cool		low		
23 Cochrannton	11/12/1998	5.5	8.45	100	13	0.09	0.053	119	12.5			12.70	cool, rain				
23 Cochrannton	11/25/1998	5	8.2	75	14.5	0.065	0.017	85	5			7.35	sunny, cool			moderate	

Site # /School	Date	Temp. (°C)	pH	TDS (mg/L)	DO (mg/L)	NO <sub>3</sub> -N (mg/L)	P (mg/L)	Alk (mg/L)	Turb (JTU)	Sulfate (mg/L)	Fe (mg/L)	WQI value	Weather (past 24 hr)	Creek Appearance	Stage (m)	Flow (m/s)	Discharge (m <sup>3</sup> /s)
23 Cochran	12/11/1998	5.5	8.4	60	15.5	0.11	0.0185	85	5			8.73	cool, clear		low		
24 Northeast Homeschoolers	9/24/1998	16.2	7.8	160	7.92	0.13	no data	150	6								
24 Northeast Homeschoolers	10/23/1998	9.5	7.6	120	7	0	0.0037	90.5	5			6.96					
24 Northeast Homeschoolers	11/13/1998	6	7.95	100	5	0	0	102	50			20.10					
24 Northeast Homeschoolers	12/4/1998	12	7.65	110	7.5	0.02	0.03	127.5	37.5			14.10	misty rain	brown, blue	low	slow	
24 Northeast Homeschoolers	2/19/1999	1	7.3	80	2	0	0	76.5	15			13.20	flurries	muddy, flowing	higher		
25 Meadville Middle School	9/30/1998	23	7.55	150	7.5	0.08	no data	119	10						low		
25 Meadville Middle School	10/20/1998	14.5	7.1	225	11	0.15	0	162	15			10.00	rainy		higher		
25 Meadville Middle School	11/13/1998	7.25	7.9	215	13.5	0.1	0	119	10			6.75					
25 Meadville Middle School	12/2/1998	9	7.65	215	10.5	0	0.001	110.5	10			5.87	unseason warm				
25 Meadville Middle School	12/23/1999	1	7.45	150	14	0.9	3	68	10			56.60					
25 Meadville Middle School	1/29/1999	2.25	7.3	120	11.5	0.75	0	60	7.5			12.55	heavy snow melt				
25 Meadville Middle School	2/17/1999	3	6.85	115	13	0.35	0.006	102	10			11.69	mild weather				
25 Meadville Middle School	3/31/1999	11.5	7.65	115	13	0.45	3.25	119	5			56.35					
26 Meadville Middle School	9/30/1998	15	7.55	175	8.5	0.055	0.0295	153	10			7.44	dry		low		
26 Meadville Middle School	10/20/1998	9	6.9	180	10	0.13	0.06	136	7.5			11.50	rainy		higher		
26 Meadville Middle School	11/13/1998	8	6.9	235	10	0.24	0	157	7.5			11.70					
26 Meadville Middle School	12/2/1998	5	7.05	245	11.5	0.05	0	119	7.5			7.55	unseason warm				
26 Meadville Middle School	12/23/1999	0	6.9	155	14	4.5	4.8	85	5			528.00	cold				
26 Meadville Middle School	1/29/1999	1	7.35	115	14	0.45	0.15	51	15			11.15	heavy snow melt				
26 Meadville Middle School	2/18/1999	2.5	7.2	90	13.5	0.18	0	59.5	10			6.75	mild weather				
26 Meadville Middle School	3/31/1999	5	7.3	135	15	0.2	0	68	5			4.10	dry				
27 Allegheny College	10/15/1998	12	8.75	130	13.5	0.02	0.1	110.5	5	50	no data	13.25					
27 Allegheny College	10/23/1998	13	8.9	130	13.5	0.05	0.013	136	5	<50	0	13.45					
27 Allegheny College	10/30/1998	12	8.3	140	14	0.15	0	8.5	0			8.10					
27 Allegheny College	11/9/1998	8	8.3	140	12	0	0.007	153	5	<50	0	9.11					
27 Allegheny College	11/16/1998	10	8.3	120	14	0.17	0	144.5	5	<50	0.2	9.30	clear	white foam			
27 Allegheny College	12/7/1998		7.4	135	11	0.225	0	136	5	<50	0	6.35	slight rain	algae abundant			
27 Allegheny College	1/29/1999	2.2	7.05	nodata	15	0.76	0.02	68	15			14.00	cold, snowy		higher	fast	
27 Allegheny College	2/1/1999	5.25	8	nodata	10.5	0.8	0.03	51	15			18.10	light rain	turbid			
27 Allegheny College	2/8/1999	3.25	7.65	90	14	0	0	85	10			3.40	snow, sleet	dark			
27 Allegheny College	2/22/1999	5	7.7	75	14	no data	no data	nodata	10								
27 Allegheny College	1/5/1900	5.5	7.8	90	11	0.3	0	85	5			8.70	sunny	normal	normal		
27 Allegheny College	3/1/1999	6	7.25	80	13	0	0	85	15			5.90	snowy, cold	slightly turbid	normal		
27 Allegheny College	5/9/1999	10.25	7.45	80	9	0.25	0	85	5			7.60	sunny	gray-green	normal	medium	
28 Ft. LeBoeuf	9/10/1998	21.5	8.15	135	11.5	0.1	0.18	314.5	5			11.85					
28 Ft. LeBoeuf	9/22/1998	22	8.2	150	9.5	0.04	0.19	178.5	5			13.20	clear				
28 Ft. LeBoeuf	10/1/1998	17.5	8.2	150	14.5	0.13	0.06	204	2.5			8.15	clear				
28 Ft. LeBoeuf	10/12/1998	17	8	145	13.5	0.2	0.25	187	5			11.30					
28 Ft. LeBoeuf	11/9/1998	9	7.6	130	16	0.06	0.07	161.5	5			2.25	clear				
28 Ft. LeBoeuf	11/16/1998	6.5	7.05	125	15.5	0.25	0.07	127.5	0			6.30					
28 Ft. LeBoeuf	12/7/1998	11	6.95	130	11.5	0.2	0.12	153	0			10.15					
28 Ft. LeBoeuf	12/15/1998	5.5	6.95	135	14	0.55	0.46	144.5	2.5			17.50					
28 Ft. LeBoeuf	2/3/1999	6.95	6.3	40	14.5	0.575	0.033	51	15			18.70	rain		higher	fast	
28 Ft. LeBoeuf	2/9/1999	8	6.95	80	12	0.65	0.143	127.5	5			15.65		clear	lower		
28 Ft. LeBoeuf	2/16/1999	7	7.05	50	15	0.0825	0.1367	68	2.5			6.48					
28 Ft. LeBoeuf	3/2/1999	4.25	6.55	90	15.5	0.3	0.073	85	5			11.85					
28 Ft. LeBoeuf	3/16/1999	7	6.85	70	15.5	0.43	0.092	85	2.5			10.53					

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28 Ft. LeBoeuf	3/31/1999	14	7.65	50	10.5	0.34	0.08	59.5	5			9.45					
29 Seneca	3/3/1999	2	7.4	no data	8	2.4	0	85	0				rain	clear	higher		
29 Seneca	3/10/1999	0	7.4	no data	6.5	no data	0	34	0				cold	frozen			
29 Seneca	3/17/1999	4	7.4	no data	7	no data	0	85	0				clear, warm	normal	higher		
29 Seneca	4/6/1999	12	8	no data	7	no data	0.3	136	0				clear	clear			
29 Seneca	4/6/99	19.5	7.75	no data	nodata	no data	0.3	136	2.5				clear	clear			
29 Seneca	8/18/1999	8	7.5	no data	6.5	0.08	5	85	0				light rain	clear		slow	
30 Seneca	2/10/1999	no data	7.9	90	11	0	2.5	68	no data				sunny, warm				
30 Seneca	2/17/1999	2	7.2	80	11.5	0	0	71.5	0			4.35	rainy, cool		higher	fast	
30 Seneca	2/18/1999	0.1	6.95	80	16	0	0	59.5	0			3.20	flurries	clear			
30 Seneca	2/23/1999	0	7.1	80	14.5	0	0.03	85	15			6.50	cloudy	frozen			
31 Seneca	2/8/1999	1	7	9	12.5	0	0	8.5	0			5.25	flurries	clear	normal		
31 Seneca	2/10/1999	no data	8	100	14	0	0	68	no data								
31 Seneca	2/17/1999	1.5	7.3	95	14.5	0	1.5	85	0			23.95	rainy, cool	muddy	higher		
31 Seneca	2/23/1999	-1	7.6	110	15	0	0	85	10			2.30	snow	frozen			
31 Seneca	2/24/1999	-2	7	212.5	11.5	0	0	40.8	40			13.95	light snow	frozen	normal		
32 Seneca	2/25/1999	11	7.2	no data	no data	0.09	0.02	80	0				clear	frozen	normal		
32 Seneca	3/3/1999	0.75	6.9	8	0.1	3	0	85	5			#NAME?	rain/snow	frozen	normal		
32 Seneca	3/10/1999	0	7	no data	no data	0.15	0.02	5	0				light snow	frozen			
32 Seneca	3/17/1999	3	7	no data	no data	0.1	450	85	0				clear	fast			
PITTSBURGH AREA SCHOOLS																	
Site # /School	Date	Temp. (°C)	pH	TDS (mg/L)	DO (mg/L)	NO <sub>3</sub> -N (mg/L)	P (mg/L)	Alk (mg/L)	Turb (JTU)	Sulfate (mg/L)	Fe (mg/L)	WQI value	Weather (past 24 hr)	Creek Appearance	Stage (m)	Flow (m/s)	Discharge (m <sup>3</sup> /s)
101 Upper St. Clair Site A	9/11/1998	21	8.65	540	11.5	2.7	1.67	204	50			73.20					
101 Upper St. Clair Site A	9/30/1998	21.5	8.45	630	8.5	2	0.265	204	7.5			37.13		slightly murky			
101 Upper St. Clair Site A	10/21/1998	14	7.7	590	10.5	2.7	0.325	221	5			37.13	sunny	slightly murky			
101 Upper St. Clair Site A	11/11/1998	12.5	8.1	610	12.5	2	0.325	187	7			32.33	sunny, windy	slightly murky			
101 Upper St. Clair Site A	12/3/1998	10	8.7	585	12	0.4	0.33	204	5			21.15	cool, windy	slightly murky			
101 Upper St. Clair Site A	12/22/1998	7	7.8	215	8.5	0.92	0.33	136	60			32.60	rain, snow flurry	muddy, brown	higher	faster	
101 Upper St. Clair Site A	1/22/1999	8	7.3	245	8.5	0.85	0.32	8.5	20			22.95	AM precipitation	murky		fast	
101 Upper St. Clair Site A	2/3/1999	8.5	8.6	345	13	0.74	0.18	170	25			24.80	rain, lots of snow	brown	normal		
101 Upper St. Clair Site A	2/24/1999	5.5	8.85	390	13	0.04	0.32	153	20			20.90	flurries, sunny	green	normal	slow	
101 Upper St. Clair Site A	3/19/1999	7.5	9	275	12	0.55	0.03	93.5	20			23.55	flurries	greenish	higher	fast	
101 Upper St. Clair Site A	4/5/1999	15	7.2	315	11	0.9	0.03	93.5	5			15.15	rainy, cloudy	greenish-yellow	lower	slow	
102 Upper St. Clair Site B	9/11/1998	21	7.9	585	11	2.8	1.67	221	50			68.55	unseason warm	very clear			
102 Upper St. Clair Site B	9/30/1998	21	7.85	770	8.5	2	1.67	230	15			54.90		than Site A			
102 Upper St. Clair Site B	10/21/1998	14.5	7.35	675	9.5	2.2	0.33	238	15			34.50	sunny	than Site A			
102 Upper St. Clair Site B	11/11/1998	13	7.8	640	9	2.4	0.226	204	10			35.49	sunny, windy	than Site A			
102 Upper St. Clair Site B	12/3/1998	11	7.9	640	12	0.3	0.275	212.5	10			13.93	unseason warm	turbidity low		normal	
102 Upper St. Clair Site B	12/22/1998	7	7.75	245	8.5	1.8	0.315	136	45			37.78	rain, snow flurry	muddy, brown	higher	faster	
102 Upper St. Clair Site B	1/22/1999	9	7.8	265	9.5	0.55	0	93.5	25			16.25	rainy			very fast	
102 Upper St. Clair Site B	2/3/1999	8	8.3	395	11	0	0.052	170	25			14.48	rainy, cool	green		fast	
102 Upper St. Clair Site B	2/24/1999	5	8.45	440	15	0.02	0.13	170	25			14.25	flurries, sunny	green	normal		
102 Upper St. Clair Site B	3/19/1999	6.5	8.7	265	12	0.65	0.035	110.5	25			23.23	flurries	greenish	higher	fast	
102 Upper St. Clair Site B	4/5/1999	15.5	7.55	365	12	0.65	0.05	102	15			12.25	rainy, cloudy	green-brown	lower	slow	
103 Upper St. Clair Site C	9/11/1998	20.25	8.4	525	10.5	0.7	0.0435	221	25			22.50		clear	shallow		
103 Upper St. Clair Site C	9/30/1998	23	9	525	12	0.5	0.015	136	7.5			20.33	sunny	clear	shallow		

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Site # /School	Date	Temp. (°C)	pH	TDS (mg/L)	DO (mg/L)	NO <sub>3</sub> -N (mg/L)	P (mg/L)	Alk (mg/L)	Turb (JTU)	Sulfate (mg/L)	Fe (mg/L)	WQI value	Weather (past 24 hr)	Creek Appearance	Stage (m)	Flow (m/s)	Discharge (m <sup>3</sup> /s)
103 Upper St. Clair Site C	10/21/1998	13	8.05	465	11.5	0.125	0.02	170	0			7.90	sunny	clear	shallow		
103 Upper St. Clair Site C	11/11/1998	9	8	300	9.5	0.15	0.04	127.5	3			10.05	sunny, cool	clear			
103 Upper St. Clair Site C	12/3/1998	9.5	8.35	415	13	0.12	0.04	153	0			9.50	unseason warm	crystal clear		slow	
103 Upper St. Clair Site C	12/22/1998	5	7.9	350	8	0.11	0.03	119	15			12.15	rain, snow flurry	clear	higher	faster	
103 Upper St. Clair Site C	1/22/1999	10	8	655	9.5	0.55	0	93.5	10			14.85	AM precipitation			very fast	
103 Upper St. Clair Site C	2/3/1999	7.5	8.3	810	12	0.64	0.01	178.5	0			14.55	rain, cool temp.	very clear			
103 Upper St. Clair Site C	2/24/1999	5.5	8.85	625	12	0.56	0.02	187	0			18.30	flurries, sunny	clear, some ice	higher		
103 Upper St. Clair Site C	3/19/1999	5	8.9	440	10.5	0.4	0.02	110.5	20			22.15	flurries	clear, some foam	higher	average	
103 Upper St. Clair Site C	4/5/1999	15	8.3	535	11.5	0.68	0.04	119	5			16.75	rainy, cloudy	clear	lower	fast	
104 Chartiers Valley	9/30/1998	21	8.3	690	10	0.56	0.18	212.5	15	>200	0	20.70					
104 Chartiers Valley	9/30/1998	23.5	8.25	650	10	1	0.59	195.5	17.5	>200	0.1	31.35					
104 Chartiers Valley	10/9/1998	19.9	7.97	445	10	0.8	0.475	170	20	>200	0.05	25.85					
104 Chartiers Valley	10/23/1998	12	8.35	490	8	0.52	0.15	280.5	6.25	>200	0	19.90					
104 Chartiers Valley	10/28/1998	19.25	8.4	675	10	0.78	0.455	246.5	15	>200	0	27.83					
104 Chartiers Valley	11/6/1998	9	8.3	645	5	0.65	0.09	187	35	800	0	27.75					
104 Chartiers Valley	11/13/1998	14.5	8.35	555	13	1.3	0.192	187	15	400	0.1	26.58					
104 Chartiers Valley	11/20/1998	10.5	8.15	615	5	0.81	0.017	213	22.5	450	0	24.56					
104 Chartiers Valley	12/4/1998	13.2	8.3	615	9	0.93	0.1	105.4	10	430	0	22.90					
104 Chartiers Valley	12/11/1999	7	8.2	520	7	0.8	0.113	204	15			23.40					
104 Chartiers Valley	12/18/1999	6.1	8.1	570	11.5	0.7	0.1	204	10			17.25					
104 Chartiers Valley	1/29/1999	6.5	7.6	310	9	0.1	0.1035	161.5	27.5			12.55					
104 Chartiers Valley	2/5/1999	7.9	7.9	270	10	0.39	0.125	195.1	20			15.98					
104 Chartiers Valley	2/12/1999	9.8	7.55	270	6.5	0.8	0	161.5	30			19.85					
104 Chartiers Valley	2/19/1999	8	7.8	310	11.5	0.18	0.125	212.5	25			13.03					
104 Chartiers Valley	3/12/1999	6	7.45	255	10	0.0675	0.015	161.5	no data								
104 Chartiers Valley	3/19/1999	7	7.5	175	11	0.38	0.03	204	no data								
106 Bethel Park	9/15/1998	23	7	nodata	8	0	0.08	442	5			10.60	sunny, humid				
106 Bethel Park	9/28/1998	20	8.35	560	10	0.18	0.0816	161.5	5			13.82	sunny, warm				
106 Bethel Park	11/9/1998	10	6	490	20	0	0.033	119	5			9.50					
106 Bethel Park	12/1/1998	10	9.6	400	16	0.8	0.06	187	5			25.50	sunny, windy				
106 Bethel Park	2/15/1999	8	9.5	580	9	0.02	0.06	238	5			21.80	sunny, calm				
107 North Hills	10/21/1998	15	8	280	6	0.5	0.5	79	5			23.30					
107 North Hills	11/10/1998	10	8.5	280	10	0.11	no data	47.6	5								
107 North Hills	12/8/1999	9	7.5	280	9.7	0	0	94.5	0			3.21					
107 North Hills	2/11/1999	8.1	7.5	260	11.7	0.06	0	65	10			4.41	sunny	turbid			
108 North Hills	10/1/1998	no data	7.5	305	10	0	0.01	44.2	15			6.15		muddy w/ leaves			
108 North Hills	10/21/1998	8	7.5	300	9	0	0.25	51	5			8.45					
108 North Hills	11/10/1998	11	7.5	240	11.5	0.06	0.03	51	20			7.00					
108 North Hills	12/8/1998	9.5	7.5	280	10.6	0	0	93	0			2.58					
108 North Hills	12/29/1998	1	7.5	280	12	1.5	0.05	120	25			22.35	partially frozen				
108 North Hills	1/2/1999	6	7	360	10.5	0.1	0.09	64	10			11.00	rain	partially frozen, turbid			
108 North Hills	2/11/1999	10	7.5	220	11.4	0.03	0	50	5			3.32	sunny	clear			
108 North Hills	3/18/1999	7	7.1	260	11.35	0.87	0	52	10			15.96			1.50		
108 North Hills	4/13/1999	12.8	7.9	255	10.35	0.8	0	55	30			19.96	sunny		normal		
108 North Hills	4/20/1999	10	7.45		12.3	0.31	0	60	5			5.89					
109 Ellis	9/10/1998	24	7.8	220	6	no data	0.06	76.5	17.5				raining		higher		
109 Ellis	9/29/1998	19	7.85	520	10	0.3	0.018	161.5	7.5			10.57					
109 Ellis	9/29/1998	24	8	165	7.5	0.08	0.01	93	7.5			11.20			3.14		

Site # /School	Date	Temp. (°C)	pH	TDS (mg/L)	DO (mg/L)	NO <sub>3</sub> -N (mg/L)	P (mg/L)	Alk (mg/L)	Turb (JTU)	Sulfate (mg/L)	Fe (mg/L)	WQI value	Weather (past 24 hr)	Creek Appearance	Stage (m)	Flow (m/s)	Discharge (m <sup>3</sup> /s)
109 Ellis	10/21/1998	18.5	7.8	165	10	0.06	0.07	85	20			11.05					
109 Ellis	11/19/1998	18	8.8	160	10.5	0.05	0.1	85	12.5			17.55					
109 Ellis	12/8/1998	14	7.2	no data	9.5	0.09	0.02	no data	7.5			8.45					
109 Ellis	1/20/1998	6	7.6	no data	12	0.06	0.02	68	35			10.30					
109 Ellis	2/18/1998	3	7.7	no data	13	0.08	no data	65	15								
110 West Mifflin	10/19/1998	16	7.8	455	10.5	0.2	0	170	5			8.05					
110 West Mifflin	11/10/1998	13.9	7.45	460	10.5	0.25	0.02	391	22.5			10.35	heavy rain				
110 West Mifflin	12/1/1998	11.75	7.45	475	8	0.26	0.04	81.6	5			9.00					
110 West Mifflin	1/12/1999	6	7	>1990	13	0.3075	0.05	161.5	35			15.73	heavy snow/rain				
110 West Mifflin	2/17/1999	12	7.25	450	4.5	0.475	0.17	41	35			23.15	warm	normal			
110 West Mifflin	3/17/1999	14	7.7	475	10.5	0.05	0.07	102	12.5	200+	0.8	8.30	clear		higher	0.35	
<b>NOTES:</b>																	
<b>Bold NUMBERS indicate data that needs to be confirmed or checked</b>																	

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