Appendix Table 4. continued.

MILL CREEK SURVEY
CHEMICAL/PHYSICAL SAMPLING RESULTS
1992

Site/Location 21 Cooper Creek
River Mile 3.64 Plainfield Rd.

Date	Fecal coli. (#/100ml)	E. coli (#/100ml)	As (ug/l)	Cd (ug/l)	Ca (mg/l)	Cr (ug/l)	Cu (ug/l)	Fe (ug/l)	Mg (mg/l)	Pb (ug/l)	Ni (ug/l)	Se (ug/l)	Zn (ug/l)	Hardness (mg/l)
07/09/92			< 2	< 0.20	43	< 30	< 10	< 50	11	< 2	< 40	< 2	< 10	153
07/16/92			< 2	< 0.20	51	< 30	< 10	71	12	< 2	< 40	< 2	< 10	177
07/23/92			< 2	< 0.20	49	< 30	< 10	99	12	< 2	< 40	< 2	59	172
07/30/92			< 2	< 0.20	63	< 30	< 10	328	13	7	< 40	< 2	18	211
08/06/92			< 2	< 0.20	47	< 30	< 10	< 50	10	< 2	< 40	< 2	< 10	159
08/13/92			< 2	< 0.20	49	< 30	< 10	104	10	< 2	< 40	< 2	16	164
08/20/92			< 2	< 0.20	42	< 30	< 10	< 50	8	< 2	< 40	< 2	< 10	138
08/27/92														
09/03/92			< 2	< 0.20	44	< 30	< 10	54	10	< 2	< 40	< 2	11	151
09/10/92			< 2	< 0.20	40	< 30	< 10	111	9	< 2	< 40	< 2	14	137
09/17/92			< 2	< 0.20	45	< 30	< 10	< 50	10	< 2	< 40	< 2	< 10	154
09/24/92			< 2	< 0.20	52	< 30	< 10	108	13	< 2	< 40	< 2	< 10	183
Average			< 2.0	< 0.200	47.7	< 30.0	< 10.0	97.7	10.7	2.5	< 40.0	< 2.0	16.2	163.5
Maximum			< 2	< 0.20	63	< 30	< 10	328	13	7	< 40	< 2	59	211
Minimum			< 2	< 0.20	40	< 30	< 10	< 50	8	< 2	< 40	< 2	< 10	137

Appendix Table 4. continued.

MILL CREEK SURVEY
CHEMICAL/PHYSICAL SAMPLING RESULTS
1992

Site/Location 22 Cooper Creek
River Mile 0.20 Mouth

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/09/92			7.71	< 1.0	< 5.0	29	129	872	< 5
07/16/92	19.0	9.3	7.75	< 1.0	< 5.0	46	60	569	< 5
07/23/92	27.0	7.0	7.91	< 1.0	< 5.0	34	110	870	< 5
07/30/92	20.5	9.2	8.10	1.7	5.1	30	32	458	< 5
08/06/92	16.5	8.1	7.63	< 1.0	< 5.0	15	225	1245	< 5
08/13/92	19.0	8.5	7.73	< 1.0	< 5.0	13	126	965	
08/20/92	16.0	9.0	8.10	< 1.0	< 5.0	< 10	306	1630	
08/27/92	20.5	8.4	7.77	< 1.0	< 5.0	31	33	448	17
09/03/92	19.0	7.1	8.05	< 1.0	< 5.0	14	174	1170	7
09/10/92	21.0	9.6	8.10	< 1.0	< 5.0	59	100	838	< 5
09/17/92	22.5	12.5	7.97	1.6	< 5.0	12	627	2640	< 5
09/24/92	14.0	12.0	7.97	1.1	< 5.0	28	117	882	< 5
Average	19.54	9.15	7.899	1.11	5.00	26.7	169.9	1048.9	6.4
Maximum	27.0	12.5	8.10	1.7	5.1	59	627	2640	17
Minimum	14.0	7.0	7.63	< 1.0	< 5.0	< 10	32	448	< 5

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH (lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/09/92	< 0.10	< 0.02	< 0.05	0.30	< 1.00		< 10	< 0.05	510	6
07/16/92	0.43	0.03	< 0.05	0.50			< 10	0.16	360	< 5
07/23/92	0.14	< 0.02	< 0.05	0.40			< 10	0.12	530	< 5
07/30/92	1.23	0.04	0.07	0.60			< 10	0.21	304	14
08/06/92	< 0.10	0.02	< 0.05	0.20			< 10	< 0.05	699	< 5
08/13/92	0.40	< 0.02	< 0.05	0.30			< 10	0.07	598	< 5
08/20/92	< 0.10	< 0.02	0.11	0.30			< 10	0.09	886	8
08/27/92	2.12	0.06	0.14	0.70			< 10	0.22	282	10
09/03/92	0.20	< 0.02	< 0.05	0.20			< 10	0.07	726	< 5
09/10/92	0.41	0.02	< 0.05	0.40			< 10	0.06	488	< 5
09/17/92	< 0.10	0.02	< 0.05	< 0.20	4.68		< 10	0.11	1450	5
09/24/92		< 0.02		0.40			< 10	0.09	530	< 5
Average	0.484	0.025	0.065	0.375	2.84		< 10.0	0.108	613.5	6.5
Maximum	2.12	0.06	0.14	0.70	4.68		< 10	0.22	1450	14
Minimum	< 0.10	< 0.02	< 0.05	< 0.20	< 1.00		< 10	< 0.05	282	< 5

Appendix Table 4. continued.

MILL CREEK SURVEY
CHEMICAL/PHYSICAL SAMPLING RESULTS
1992

Site/Location 22 Cooper Creek
River Mile 0.20 Mouth

Date	Fecal coli. (#/100ml)	E. coli (#/100ml)	As (ug/l)	Cd (ug/l)	Ca (mg/l)	Cr (ug/l)	Cu (ug/l)	Fe (ug/l)	Mg (mg/l)	Pb (ug/l)	Ni (ug/l)	Se (ug/l)	Zn (ug/l)	Hardness (mg/l)
07/09/92			< 2	< 0.20	74	< 30	< 10	85	15	< 2	< 40	< 2	27	246
07/16/92			< 2	< 0.20	62	< 30	< 10	483	11	< 2	< 40	< 2	< 10	200
07/23/92			< 2	< 0.20	89	< 30	< 10	60	18	< 2	< 40	< 2	17	296
07/30/92			< 2	< 0.20	55	< 30	< 10	748	9	< 2	< 40	< 2	< 10	174
08/06/92			< 2	< 0.20	92	< 30	< 10	76	22	< 2	< 40	< 2	< 10	320
08/13/92			< 2	< 0.20	102	< 30	< 10	< 50	20	< 2	< 40	< 2	< 10	337
08/20/92			< 2	< 0.20	108	< 30	< 10	< 50	24	< 2	< 40	< 2	19	368
08/27/92			< 2	< 0.20	52	< 30	< 10	954	9	< 2	< 40	< 2	< 10	167
09/03/92			< 2	< 0.20	102	< 30	< 10	81	21	< 2	< 40	< 2	< 10	341
09/10/92			< 2	< 0.20	87	< 30	< 10	68	17	< 2	< 40	< 2	< 10	287
09/17/92			< 2	< 0.20	131	< 30	< 10	227	30	< 2	< 40	< 2	< 10	451
09/24/92			< 2	< 0.20	90	< 30	< 10	70	17	< 2	< 40	< 2	< 10	295
Average			< 2.0	< 0.200	87.0	< 30.0	< 10.0	246.0	17.7	< 2.0	< 40.0	< 2.0	12.7	290.1
Maximum			< 2	< 0.20	131	< 30	< 10	954	30	< 2	< 40	< 2	27	451
Minimum			< 2	< 0.20	52	< 30	< 10	< 50	9	< 2	< 40	< 2	< 10	167

Appendix Table 4. continued.

MILL CREEK SURVEY
CHEMICAL/PHYSICAL SAMPLING RESULTS
1992

Site/Location 23 West Fork Mill
River Mile 4.44 Riddle Rd.

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/09/92			7.95	1.5	< 5.0	23	28	340	< 5
07/16/92	23.0	7.2	7.97	< 1.0	< 5.0	48	27	419	5
07/23/92	24.0	8.0	7.92	< 1.0	< 5.0	43	17	295	< 5
07/30/92	25.0	7.2	7.91	2.9	< 5.0	19	16	262	< 5
08/06/92	20.0	8.5	8.00	1.1	< 5.0	16	64	589	< 5
08/13/92	24.5	9.0	8.06	2.9	5.4	27	19	283	
08/20/92	20.0	13.2	8.49		< 5.0	26			
08/27/92	24.5	8.2	7.67	< 1.0	< 5.0	25	16	258	< 5
09/03/92	20.2	8.4	8.01	1.8	< 5.0	33	30	464	8
09/10/92	21.2	7.5	7.39	< 1.0	< 5.0	25	17	291	< 5
09/17/92	16.0	7.2	7.89	1.7	< 5.0	22	54	571	< 5
09/24/92	14.0	8.6	7.30	2.0	< 5.0	34	20	327	< 5
Average	21.12	8.45	7.879	1.63	5.03	28.4	27.9	372.5	5.3
Maximum	25.0	13.2	8.49	2.9	5.4	48	64	589	8
Minimum	14.0	7.2	7.30	< 1.0	< 5.0	16	16	258	< 5

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH (lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/09/92	0.42	0.03	< 0.05	0.60			< 10	0.06	204	11
07/16/92	0.62	0.09	0.07	0.50			< 10	0.42	280	41
07/23/92	0.49	0.09	0.07	0.60			< 10	0.13	190	40
07/30/92	0.27	0.07	0.20	0.40			< 10	0.21	162	81
08/06/92	0.55	0.03	< 0.05	0.60			< 10	0.38	348	< 5
08/13/92	0.18	0.04	< 0.05	0.80			< 10	0.14	180	33
08/20/92	0.21		< 0.05	0.50			< 10	0.54		
08/27/92	0.29	0.06	0.29	1.00			< 10	0.39	164	135
09/03/92	0.67	0.02	< 0.05	0.40			12	0.36	328	12
09/10/92	0.58	0.04	0.07	0.50			13	0.14	192	31
09/17/92	0.26	< 0.02	< 0.05	0.50			< 10	0.62	330	< 5
09/24/92	0.15	0.02	< 0.05	0.40			< 10	0.07	200	13
Average	0.390	0.046	0.087	0.566			10.4	0.288	234.3	37.0
Maximum	0.67	0.09	0.29	1.00			13	0.62	348	135
Minimum	0.15	< 0.02	< 0.05	0.40			< 10	0.06	162	< 5

Appendix Table 4. continued.

MILL CREEK SURVEY
CHEMICAL/PHYSICAL SAMPLING RESULTS
1992

Site/Location 23 West Fork Mill
River Mile 4.44 Riddle Rd.

Date	Fecal coli. (#/100ml)	E. coli (#/100ml)	As (ug/l)	Cd (ug/l)	Ca (mg/l)	Cr (ug/l)	Cu (ug/l)	Fe (ug/l)	Mg (mg/l)	Pb (ug/l)	Ni (ug/l)	Se (ug/l)	Zn (ug/l)	Hardness (mg/l)
07/09/92			4	< 0.20	37	< 30	< 10	614	8	< 2	< 40	< 2	< 10	125
07/16/92			4	< 0.20	53	35	< 10	4790	11	< 2	46	< 2	39	178
07/23/92			< 2	< 0.20	37	< 30	11	2000	6	3	< 40			
07/30/92			< 2	< 0.20	39	< 30	< 10	3040	6	4	< 40	< 2	< 10	110
08/06/92			< 2	< 0.20	64	< 30	< 10	330	12	< 2	49	< 2	16	209
08/13/92			3	< 0.20	37	< 30	< 10	1750	6	< 2	< 40	< 2	< 10	117
08/20/92			< 2	< 0.20	69	< 30	< 10	310	13	< 2	< 40	< 2	< 10	226
08/27/92			4	< 0.20	36	< 30	< 10	7390	7	7	< 40	< 2	22	119
09/03/92			< 2	< 0.20	53	< 30	< 10	1360	10	< 2	< 40	< 2	42	174
09/10/92			3	< 0.20	39	< 30	< 10	2160	6	< 2	< 40	< 2	< 10	122
09/17/92			< 2	< 0.20	61	< 30	< 10	468	11	< 2	< 40	< 2	52	198
09/24/92			< 2	< 0.20	39	< 30	< 10	656	6	< 2	< 40	< 2	19	122
Average			2.6	< 0.200	47.0	30.4	10.0	2072.3	8.5	2.6	41.2	< 2.0	21.8	154.5
Maximum			4	< 0.20	69	35	11	7390	13	7	49	< 2	52	226
Minimum			< 2	< 0.20	36	< 30	< 10	310	6	< 2	< 40	< 2	< 10	110

Appendix Table 4. continued.

MILL CREEK SURVEY
CHEMICAL/PHYSICAL SAMPLING RESULTS
1992

Site/Location 24 West Fork Mill
River Mile 2.00 Gardner Park

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/09/92			8.01	1.1	< 5.0	21	29	372	< 5
07/16/92	23.0	7.2	8.47	1.0	< 5.0	36	27	359	< 5
07/23/92	23.0	7.2	7.93	< 1.0	< 5.0	52	18	303	< 5
07/30/92	22.0	7.2	7.85	1.8	< 5.0	32	17	291	< 5
08/06/92	18.5	8.2	8.01	< 1.0	< 5.0	14	46	576	< 5
08/13/92	23.0	9.0	8.03	2.2	< 5.0	19	20	292	
08/20/92	17.5	7.0	8.22	1.0	< 5.0	15	52	613	
08/27/92	24.0	7.5	7.67	1.0	< 5.0	28	18	300	< 5
09/03/92	20.0	7.4	8.14	< 1.0	< 5.0	19	28	439	< 5
09/10/92	21.5	7.4	7.82	1.0	< 5.0	19	19	325	< 5
09/17/92	17.5	6.8	8.00	< 1.0	< 5.0	13	44	566	< 5
09/24/92	13.5	9.6	7.38	2.3	< 5.0	23	21	335	< 5
Average	20.31	7.68	7.958	1.28	< 5.00	24.2	28.2	397.5	< 5.0
Maximum	24.0	9.6	8.47	2.3	< 5.0	52	52	613	< 5
Minimum	13.5	6.8	7.38	< 1.0	< 5.0	13	17	291	< 5

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH (lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/09/92	0.42	0.03	< 0.05	0.60			< 10	< 0.05	230	4
07/16/92	0.44	0.05	0.08	0.50			< 10	0.22	240	8
07/23/92	0.52	0.09	0.05	0.60			< 10	0.17	204	36
07/30/92	0.69	0.11	0.07	0.40			< 10	0.60	194	404
08/06/92	0.41	0.03	< 0.05	0.40			< 10	0.06	356	< 5
08/13/92	0.29	0.04	< 0.05	0.52			< 10	0.12	178	32
08/20/92	0.12	0.02	< 0.05	0.30			< 10	0.08	364	6
08/27/92	0.10	0.03	0.23	0.60			< 10	0.47	184	270
09/03/92	0.63	< 0.02	< 0.05	0.30			< 10	0.12	310	28
09/10/92	0.40	0.02	< 0.05	0.70			< 10	0.14	204	19
09/17/92	0.13	0.02	< 0.05	0.20			11	0.09	360	5
09/24/92	0.10	0.02	< 0.05	0.50			10	0.07	214	8
Average	0.354	0.040	0.069	0.468			10.0	0.182	253.1	68.7
Maximum	0.69	0.11	0.23	0.70			11	0.60	364	404
Minimum	0.10	< 0.02	< 0.05	0.20			< 10	< 0.05	178	4

Appendix Table 4. continued.

MILL CREEK SURVEY
CHEMICAL/PHYSICAL SAMPLING RESULTS
1992

Site/Location 24 West Fork Mill
River Mile 2.00 Gardner Park

Date	Fecal coli. (#/100ml)	E. coli (#/100ml)	As (ug/l)	Cd (ug/l)	Ca (mg/l)	Cr (ug/l)	Cu (ug/l)	Fe (ug/l)	Mg (mg/l)	Pb (ug/l)	Ni (ug/l)	Se (ug/l)	Zn (ug/l)	Hardness (mg/l)
07/09/92			4	< 0.20	39	< 30	< 10	250	8	< 2	< 40	< 2	10	130
07/16/92			3	< 0.20	43	< 30	< 10	960	9	< 2	< 40	< 2	25	144
07/23/92			< 2	< 0.20	38	< 30	< 10	1710	7	3	< 40	< 2	10	124
07/30/92			3	0.20	62	< 30	< 10	13800	11	19	41	< 2	69	200
08/06/92			< 2	< 0.20	68	< 30	< 10	154	16	< 2	43	< 2	< 10	236
08/13/92			3	< 0.20	38	< 30	< 10	1510	6	< 2	< 40	< 2	< 10	120
08/20/92			< 2	< 0.20	65	< 30	< 10	115	14	< 2	< 40	< 2	< 10	220
08/27/92			4	< 0.20	57	< 30	< 10	10900	11	18	< 40	< 2	63	188
09/03/92			< 2	< 0.20	55	< 30	< 10	1320	10	< 2	< 40	< 2	16	178
09/10/92			3	0.20	40	< 30	< 10	1230	6	2	< 40	< 2	109	125
09/17/92			< 2	< 0.20	67	< 30	< 10	403	16	< 2	< 40	< 2	< 10	233
09/24/92			< 2	< 0.20	42	< 30	< 10	473	7	< 2	< 40	< 2	< 10	134
Average			2.6	0.200	51.1	< 30.0	< 10.0	2735.4	10.0	4.8	40.3	< 2.0	29.3	169.3
Maximum			4	0.20	68	< 30	< 10	13800	16	19	43	< 2	109	236
Minimum			< 2	< 0.20	38	< 30	< 10	115	6	< 2	< 40	< 2	< 10	120

Appendix Table 4. continued.

MILL CREEK SURVEY
CHEMICAL/PHYSICAL SAMPLING RESULTS
1992

Site/Location 25 West Fork Mill
River Mile 0.19 Mouth

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/09/92			7.86	1.1	< 5.0	28	30	408	< 5
07/16/92	20.0	5.0	7.76	2.9	< 5.0	31	20	387	< 5
07/23/92	23.0	7.6	7.90	< 1.0	< 5.0	66	18	310	< 5
07/30/92	22.0	7.7	7.99	2.1	< 5.0	18	17	315	< 5
08/06/92	19.0	5.5	7.57	3.8	< 5.0	24	36	640	< 5
08/13/92	20.0	7.8	8.14	1.8	< 5.0	21	19	287	
08/20/92	18.0	4.2	7.69	2.1	< 5.0	20	35	648	
08/27/92	22.0	6.4	7.61	1.8	< 5.0	32	19	329	5
09/03/92	18.5	3.1	7.85	2.4	< 5.0	24	20	446	6
09/10/92	22.0	6.7	7.92	< 1.0	< 5.0		20	383	< 5
09/17/92	19.0	2.4	7.66	1.6	< 5.0	15	30	602	< 5
09/24/92	13.0	8.5	7.74	2.4	< 5.0	31	23	371	< 5
Average	19.68	5.90	7.807	1.99	< 5.00	28.15	23.9	427.1	5.1
Maximum	23.0	8.5	8.14	3.8	< 5.0	66	36	648	6
Minimum	13.0	2.4	7.57	< 1.0	< 5.0	15	17	287	< 5

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH (lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/09/92	0.57	0.06	0.54	1.10			< 10	< 0.05	234	< 5
07/16/92	1.03	0.23	6.24	7.60			< 10	0.21	230	14
07/23/92	0.62	0.08	0.10	0.60			< 10	0.14	204	30
07/30/92	0.86	0.12	0.86	0.70			< 10	0.51	228	140
08/06/92	1.53	0.21	21.4	18.7			< 10	0.10	324	< 5
08/13/92	0.35	0.05	0.05	0.60			< 10	0.13	172	26
08/20/92	2.35	0.33	13.3	13.3			< 10	0.10	342	8
08/27/92	0.86	0.07	0.58	0.90			< 10	0.17	200	26
09/03/92	1.47	0.24		7.90			< 10	0.09	290	14
09/10/92	0.71	0.14	4.45	4.10			16	0.11	214	16
09/17/92	1.15	0.29	16.1	16.8			< 10	0.18	324	< 5
09/24/92	0.31	0.06	1.60	2.00			< 10	0.08	227	7
Average	0.984	0.156	5.928	6.191			10.5	0.155	249.0	24.6
Maximum	2.35	0.33	21.40	18.70			16	0.51	342	140
Minimum	0.31	0.05	0.05	0.60			< 10	< 0.05	172	< 5

Appendix Table 4. continued.

MILL CREEK SURVEY
CHEMICAL/PHYSICAL SAMPLING RESULTS
1992

Site/Location 25 West Fork Mill
River Mile 0.19 Mouth

Date	Fecal coli. (#/100ml)	E. coli (#/100ml)	As (ug/l)	Cd (ug/l)	Ca (mg/l)	Cr (ug/l)	Cu (ug/l)	Fe (ug/l)	Mg (mg/l)	Pb (ug/l)	Ni (ug/l)	Se (ug/l)	Zn (ug/l)	Hardness (mg/l)
07/09/92	> 6700	> 6700	3	< 0.20	91	< 30	< 10	202	22	< 2	< 40	< 2	10	318
07/16/92	> 6700	> 6700	4	< 0.20	41	< 30	< 10	1590	7	3	< 40	< 2	31	131
07/23/92	1350	2030	< 2	< 0.20	40	< 30	< 10	1530	7	4	< 40	< 2	16	129
07/30/92	> 20000	> 20000	3	< 0.20	44	< 30	< 10	8610	8	9	< 40	< 2	41	143
08/06/92	> 20000	> 20000	< 2	< 0.20	58	< 30	< 10	250	11	< 2	< 40	< 2	< 10	190
08/13/92	8600	1900	4	< 0.20	40	< 30	< 10	1380	7	2	< 40	< 2	12	129
08/20/92	> 20000	> 20000	< 2	< 0.20	60	< 30	< 10	216	12	< 2	< 40	< 2	< 10	199
08/27/92	> 20000	> 20000	< 2	< 0.20	40	< 30	< 10	1870	7	17	< 40	< 2	18	129
09/03/92	> 20000	> 20000	2	< 0.20	48	< 30	< 10	1290	8	2	< 40	< 2	16	153
09/10/92	> 20000	4230	3	< 0.20	43	< 30	< 10	1190	7	< 2	< 40	< 2	11	136
09/17/92	> 20000	< 7	< 2	< 0.20	55	< 30	< 10	167	11	< 2	< 40	< 2	< 10	183
09/24/92	14000		< 2	< 0.20	45	< 30	< 10	404	8	< 2	< 40	< 2	< 10	145
Average	14779.1	11051.5	2.5	< 0.200	50.4	< 30.0	< 10.0	1558.2	9.5	4.0	< 40.0	< 2.0	16.2	165.4
Maximum	> 20000	> 20000	4	< 0.20	91	< 30	< 10	8610	22	17	< 40	< 2	41	318
Minimum	1350	< 7	< 2	< 0.20	40	< 30	< 10	167	7	< 2	< 40	< 2	< 10	129

Appendix Table 4. continued.

MILL CREEK SURVEY
CHEMICAL/PHYSICAL SAMPLING RESULTS
1992

Site/Location 26 Bloody Run
River Mile 0.31 Vine St.

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/09/92	21.5	6.3		< 1.0	< 5.0	14	34	921	< 5
07/16/92	22.0	1.3	7.70	6.2	< 5.0	31	29	676	5
07/23/92	20.5	4.9		1.3	< 5.0	11	37	1020	< 5
07/30/92	21.0	2.8	7.50	29.0	20.0	67	40	713	< 5
08/06/92	19.0	5.4		< 1.0	< 5.0	15	36	963	< 5
08/13/92	21.0	.6		7.6		34	24	649	
08/20/92	18.5	5.4		< 1.0	< 5.0	< 10	40	1060	
08/27/92	22.0	2.2		5.6	39.7	174	130	990	10
09/03/92	21.0	4.9	8.10	< 1.0	< 5.0	16	43	1050	< 5
09/10/92	21.5	.4		16.8	15.2	60	18	510	< 5
09/17/92	19.0	7.0		< 1.0	< 5.0	< 10	45	1010	< 5
09/24/92	15.0	6.2		1.2	< 5.0	21	41	1010	8
Average	20.16	3.94	7.766	6.05	10.44	38.5	43.0	881.0	5.8
Maximum	22.0	7.0	8.10	29.0	39.7	174	130	1060	10
Minimum	15.0	0.4	7.50	< 1.0	< 5.0	< 10	18	510	< 5

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH (lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/09/92	0.31	0.04	0.14	0.30	< 1.00	8.13	< 10	1.50	666	8
07/16/92	0.19	0.08	0.35	1.10			10	0.29	448	6
07/23/92	0.28	0.05	0.37	0.90		7.93	< 10	0.14	700	6
07/30/92	< 0.10	0.12	0.09	2.00			< 10	0.84	468	16
08/06/92	0.34	0.07	0.17	0.60		8.05	< 10	0.10	630	< 5
08/13/92	< 0.10	0.04	0.72	1.60		7.57	< 10	0.45	426	10
08/20/92	0.34	0.06	0.13	0.30		8.09	< 10	0.10	670	< 5
08/27/92			0.53	3.20		7.40		1.77	614	24
09/03/92	0.53	0.04	0.15	0.30			11	0.12	734	< 5
09/10/92	< 0.10	0.02	1.03	2.60		7.41	< 10	0.40	334	11
09/17/92	0.54	0.06	0.09	< 0.20		7.99	12	0.07	726	< 5
09/24/92	0.52	0.06	0.17	0.30		8.06	< 10	0.08	684	< 5
Average	0.304	0.058	0.328	1.116	< 1.000	7.847	10.3	0.488	591.6	8.8
Maximum	0.54	0.12	1.03	3.20	< 1.00	8.13	< 12	1.77	734	24
Minimum	< 0.10	0.02	0.09	< 0.20	< 1.00	7.40	< 10	0.07	334	< 5

Appendix Table 4. continued.

MILL CREEK SURVEY
CHEMICAL/PHYSICAL SAMPLING RESULTS
1992

Site/Location 26 Bloody Run
River Mile 0.31 Vine St.

Date	Fecal coli. (#/100ml)	E. coli (#/100ml)	As (ug/l)	Cd (ug/l)	Ca (mg/l)	Cr (ug/l)	Cu (ug/l)	Fe (ug/l)	Mg (mg/l)	Pb (ug/l)	Ni (ug/l)	Se (ug/l)	Zn (ug/l)	Hardness (mg/l)
07/09/92	> 6700	> 6700	< 2	< 0.20	134	< 30	< 10	301	43	2	< 40	< 2	60	512
07/16/92	> 6700	> 6700	2	< 0.20	83	< 30	< 10	377	28	< 2	< 40	< 2	66	323
07/23/92	3600	667	< 2	< 0.20	133	< 30	< 10	315	43	< 2	< 40	< 2	37	509
07/30/92	> 20000	> 20000	< 2	< 0.20	44	< 30	< 10	623	27	10	< 40	< 2	80	221
08/06/92	2700	1600	< 2	< 0.20	134	< 30	< 10	395	43	< 2	< 40	< 2	< 10	512
08/13/92	19400	20700	< 2	< 0.20	72	< 30	< 10	803	28	< 2	< 40	< 2	21	295
08/20/92	1030	400	< 2	< 0.20	142	< 30	< 10	136	45	< 2	< 40	< 2	31	540
08/27/92	> 20000	> 20000	< 2	< 0.20	28	43	35	839	17	10	< 40	< 2	68	140
09/03/92	4200	1600	< 2	< 0.20	139	< 30	< 10	218	44	< 2	< 40	< 2	37	528
09/10/92	> 20000	> 20000	< 2	< 0.20	32	< 30	< 10	660	21	4	< 40	< 2	38	166
09/17/92	430	240	< 2	< 0.20	143	< 30	< 10	90	45	< 2	< 40	< 2	< 10	542
09/24/92	1000	69	< 2	< 0.20	138	< 30	< 10	120	43	< 2	< 40	< 2	25	522
Average	8813.3	8223.0	2.0	< 0.200	101.8	31.0	12.0	406.4	35.5	3.5	< 40.0	< 2.0	40.2	400.8
Maximum	> 20000	20700	2	< 0.20	143	43	35	839	45	10	< 40	< 2	80	542
Minimum	430	69	< 2	< 0.20	28	< 30	< 10	90	17	< 2	< 40	< 2	< 10	140

Appendix Table 4. continued.

MILL CREEK SURVEY
CHEMICAL/PHYSICAL SAMPLING RESULTS
1992

Site/Location 27 Ross Run
River Mile 0.01 Mouth

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/16/92			8.05	5.4	< 5.0	44	58	915	8
07/23/92				1.7	< 5.0	24	69	1080	< 5
07/30/92			7.80	49.0	29.0	66	64	1160	< 5
08/06/92				1.6	< 5.0	28	64	982	< 5
08/13/92	23.5	9.0		7.0		50	52	793	
08/20/92				1.3	< 5.0	16	55	786	
09/03/92			8.23	3.3	< 5.0	24	49	729	10
09/10/92				15.0	5.8	34	48	714	5
09/17/92				3.4	< 5.0	13	74	962	6
09/24/92				37.0	18.7	89	68	1030	< 5
Average	23.50	9.00	8.027	12.47	9.28	38.7	60.0	915.0	6.1
Maximum	23.5	9.0	8.23	49.0	29.0	89	74	1160	10
Minimum	23.5	9.0	7.80	1.3	< 5.0	13	48	714	< 5

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH (lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt.Res. (mg/l)	TSS (mg/l)
07/16/92	1.97	0.49	2.07	3.20			14	0.40	584	10
07/23/92	2.69	0.56	1.91	2.40	1.27	8.27	23	0.29	698	10
07/30/92	2.09	0.22	3.07	7.50				1.37	756	97
08/06/92	2.16	0.51	2.12	3.30			< 10	0.32	616	8
08/13/92	0.87	0.25	1.50	2.20		8.14	< 10	< 0.05	484	10
08/20/92	1.61	0.24	1.93	2.14		8.30	< 10	0.20	480	< 5
09/03/92	1.05	0.09	1.11	1.90			< 10	0.22	428	< 5
09/10/92	1.34	0.23	1.08	1.40		8.17	10	0.66	438	6
09/17/92	1.71	0.34	1.92	2.50		8.12	13	0.23	572	< 5
09/24/92	1.47	0.23	1.25	2.20		8.14	13	0.72	666	8
Average	1.695	0.316	1.795	2.873	1.270	8.188	12.6	0.446	572.2	16.3
Maximum	2.69	0.56	3.07	7.50	1.27	8.30	23	1.37	756	97
Minimum	0.87	0.09	1.08	1.40	1.27	8.12	< 10	< 0.05	428	< 5

Appendix Table 4. continued.

MILL CREEK SURVEY
CHEMICAL/PHYSICAL SAMPLING RESULTS
1992

Site/Location 27 Ross Run
River Mile 0.01 Mouth

Date	Fecal coli. (#/100ml)	E. coli (#/100ml)	As (ug/l)	Cd (ug/l)	Ca (mg/l)	Cr (ug/l)	Cu (ug/l)	Fe (ug/l)	Mg (mg/l)	Pb (ug/l)	Ni (ug/l)	Se (ug/l)	Zn (ug/l)	Hardness (mg/l)
07/16/92			6	< 0.20	91	34	< 10	2750	21	< 2	< 40	< 2	101	314
07/23/92			3	< 0.20	110	< 30	< 10	3020	25	< 2	68	< 2	37	378
07/30/92			< 2	2.70	81	53	21	2090	18	15	< 40	< 10	107	276
08/06/92			5	< 0.20	107	< 30	< 10	2270	25	< 2	< 40	< 2	20	370
08/13/92			5	< 0.20	86	< 30	< 10	758	17	< 2	< 40	< 2	50	285
08/20/92			3	< 0.20	81	< 30	< 10	614	17	< 2	< 40	< 2	13	272
09/03/92			4	< 0.20	73	< 30	< 10	385	16	< 2	< 40	< 2	100	248
09/10/92			4	< 0.20	70	< 30	< 10	1040	15	< 2	< 40	< 2	49	237
09/17/92			3	< 0.20	99	< 30	< 10	894	23	< 2	< 40	< 2	88	342
09/24/92			8	0.20	112	< 30	< 10	1860	24	6	< 40	< 2	115	378
Average			4.3	0.450	91.0	32.7	11.1	1568.0	20.1	3.7	42.7	2.7	68.0	310.0
Maximum			8	2.70	112	53	21	3020	25	15	68	< 10	115	378
Minimum			< 2	< 0.20	70	< 30	< 10	385	15	< 2	< 40	< 2	13	237