

Appendix X-B

Watershed Restoration Analysis Model (WRAM) Data

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: SMP-AC1 Description: Anderson Creek, above bridge near carwash

Lat: 40.97267

Downstream Point: _____ Type: In-Stream

Long: -78.52695

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	Cloudy, light	10/23/04	MK, EL	20196	6.2	9	198	6.20	4	9	0.43	0.21	0.78	57
	cloudy, cool,	11/22/04	MK, EL	21764	7.3	7	188	6.20	8	8	0.52	0.26	0.90	62
	heavy rain	2/9/05	HB, MK	60344	6.4	1	246	5.80	7	7	1.15	1.00	1.43	74
	partly cloudy,	3/16/05	AT, MK	35763	6.2	0	186	4.90	10	8	0.86	0.51	0.77	46
	warm, sunny	4/14/05	JB, MK	52725	5.5	7	175	5.20	8	5	0.71	0.35	0.66	43
	cool, sunny	5/18/05	JB, MK	21743	5.8	11	199	5.60	7	6	0.53	0.20	0.77	50
	hot, cloudy	6/15/05	HB, MK	13706	6.5	21	181	6.50	2	9	0.13	0.16	0.56	40
	sunny, humid	7/13/05	AT, MK	4410	7.1	22	385	5.70	10	10	0.07	0.11	0.85	73
	sunny, warm	8/22/05	GS, MK	2657	6.9	20	292	6.80	-2	14	0.06	0.07	0.74	69
	sunny, warm	9/14/05	GS, MK	3660	6.0	16	298	6.90	-3	14	0.09	0.22	0.73	96

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: SMP-KR1 Description: Kratzer/Bilger

Lat: 40.97567

Downstream Point: SMP-AC1 Type: In-Stream

Long: -78.55078

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	Overcast, cool	10/22/04	MK, EL	6802	6.5	9	279	7.10	0	26	0.16	0.50	0.65	82
	Cloudy, cool,	11/22/04	MK, EL	3854	7.0	7	309	6.60	0	27	0.09	0.71	0.72	103
	heavy rain	2/9/05	HB, MK	11416	6.6	1	346	6.60	-7	22	0.71	0.95	1.24	101
	partly cloudy,	3/16/05	AT, MK	7561	7.1	0	298	6.50	0	18	0.83	1.65	1.09	85
	warm, sunny	4/14/05	JB, MK	7293	5.9	7.5	320	6.90	-5	17	0.46	0.90	1.05	98
	cool, sunny	5/18/05	JB, MK	2309	6.8	9.5	374	6.70	-10	25	0.08	0.76	0.78	114
	hot, cloudy	6/15/05	HB, MK	1847	5.9	18.5	380	7.30	-23	34	0.05	0.74	0.35	104
	sunny, humid	7/13/05	AT, MK	1056	6.1	19	482	7.20	-28	42	0.06	1.21	0.27	129
	warm, sunny	8/22/05	GS, MK	863	6.4	17.5	473	7.10	-33	47	0.05	1.53	0.24	6.19
	warm, sunny	9/14/05	GS, MK	834	6.2	14	509	7.20	-35	46	0.05	1.70	0.30	176

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: DMP-879 Description: Discharge into Kratzer Run near Rt. 879

Lat: 40.97177

Downstream Point: SMP-KR1 Type: Point Source

Long: -78.56007

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
		10/23/04	CCCD	9	6.9	5.556	377	6.10	11	13	0.049	6.84	1.93	142
		11/20/04	CCCD	17	5.9	6.667	406	5.70	9	10	0.049	10.10	2.46	179
		12/18/04	CCCD	17	6.6	-1.1	308	5.90	-12	11	0.049	5.34	0.84	115
		1/19/05	CCCD	22	6.8	-2.222	285	6.20	9	12	0.06	8.40	1.39	105
		2/16/05	CCCD	17	5.9	3.889	225	6.10	7	10	0.049	6.72	1.00	74
		3/22/05	CCCD	28	6.9	3.333	297	6.30	9	11	0.18	18.60	1.39	104
		4/20/05	CCCD	9	6.9	8.889	386	6.10	-16	13	0.28	25.80	2.01	147
		5/18/05	CCCD	8	6.9	9.444	428	5.90	16	10	0.22	21.70	2.44	162
		6/22/05	CCCD	0	6.7	13.33	485	6.10	11	13	0.05	15.30	2.71	178
		7/20/05	CCCD	2	5.9	15.56	512	6.10	13	14	0.13	32.60	3.76	208
		8/24/05	CCCD	8	6.5	12.78	564	6.10	49	18	0.05	23.40	3.40	218
		9/14/05	CCCD	3	6.7	12.22	447	6.00	-452	23	0.06	30.80	3.21	220

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: PA-KR1.4E Description: Discharge into Kratzer Run from problem area

Lat: 40.97282

Downstream Point: SMP-KR1 Type: Point Source

Long: -78.5756

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
		10/23/04	CCCD	81	3.8	6.111	460	3.80	57	0	7	0.26	5.70	192
		11/20/04	CCCD	81	3.9	7.222	407	4.00	47	0	6.31	0.20	5.53	175
		12/18/04	CCCD	222	3.1	0.6	424	4.00	59	0	5.9	0.21	3.74	173
		1/19/05	CCCD	245	4.1	0	387	4.00	52	0	6.67	0.23	4.28	167
		2/16/05	CCCD	245	3.9	3.333	307	4.20	36	2	4.42	0.17	2.98	121
		3/22/05	CCCD	245	3.9	2.778	366	4.10	45	2	6.43	0.27	4.10	146
		4/20/05	CCCD	90	3.5	10	445	4.00	56	0	7.51	0.16	4.97	181
		5/18/05	CCCD	35	2.7	9.444	417	4.00	53	0	6.45	0.15	4.74	277
		6/22/05	CCCD	13	2.6	13.89	465	3.90	56	0	8.51	0.20	5.79	173
		7/20/05	CCCD	23	2.4	16.67	439	3.90	57	0	6.52	0.31	5.19	164
		8/24/05	CCCD	43	5.9	8.889	592	5.50	50	9	0.05	13.80	4.67	246
		9/14/05	CCCD	45	2.3	13.33	731	3.80	134	0	15.2	0.50	9.65	324

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: DMP-Wide Description: Widemire discharge point

Lat: 40.96743

Downstream Point: SMP-KR1 Type: Point Source

Long: -78.5758

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
		10/23/04	CCCD	99	4.2	6.111	397	3.80	41	0	5.07	6.70	2.38	137
		11/20/04	CCCD	99	4.3	7.222	352	3.90	35	0	4.01	7.44	2.36	144
		12/18/04	CCCD	136	3.6	6.7	398	3.90	47	0	5.13	6.01	2.10	141
		1/19/05	CCCD	245	3.9	1.111	404	3.70	53	0	6.58	6.39	2.33	154
		2/16/05	CCCD	117	3.8	6.111	354	4.10	50	1	5.41	2.54	1.98	141
		3/22/05	CCCD	99	3.8	8.333	383	4.00	44	0	6.32	3.42	2.36	150
		4/20/05	CCCD	99	3.5	8.889	403	3.90	53	0	6.48	3.12	2.15	150
		5/18/05	CCCD	81	2.9	8.889	372	4.00	45	0	5.50	3.01	2.15	137
		6/22/05	CCCD	50	3.1	14.44	389	3.90	38	0	4.89	4.56	2.12	237
		7/20/05	CCCD	47	3.3	10	368	3.90	64	0	3.87	7.38	2.33	135
		8/24/05	CCCD	35	3.6	8.889	373	4.00	71	0	3.19	9.35	2.35	131
		9/14/05	CCCD	43	3.8	8.333	286	3.80	39	0	2.81	10.10	2.26	130

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: SMP-BR1 Description: Bilger Run North 879 Bridge

Lat: 40.97315

Downstream Point: SMP-KR1 Type: In-Stream

Long: -78.57065

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	Cool, overcast	10/22/04	MK, EL	3630	6.7	10	198	6.60	0	12	0.28	0.91	1.36	108
	Cloudy, light	11/22/04	MK, EL	1776	6.9	7	328	6.40	1	14	0.14	1.31	1.49	133
	heavy rain	2/9/05	HB, MK	7195	5.9	2	393	6.40	2	15	1.4	1.28	3.07	153
	partly cloudy	3/16/05	AT, MK	4638	6.3	0	310	6.20	2	16	0.81	0.84	1.27	111
	warm, sunny	4/14/05	JB, MK	4168	6.0	8	345	6.60	2	10	0.63	1.00	1.76	117
	cool, sunny	5/18/05	JB, MK	1271	6.7	9.5	389	6.30	2	14	0.29	1.64	1.32	132
	hot, cloudy	6/15/05	HB, MK	1061	6.1	17	348	6.70	-1	14	0.08	1.59	0.72	112
	sunny, humid	7/13/05	AT, MK	513	6.2	17.5	431	6.60	-4	18	0.05	2.46	1.05	148
	sunny, warm	8/22/05	GS, MK	329	6.6	16	447	6.50	-6	19	0.05	3.82	1.47	162
	sunny, warm	9/14/05	GS, MK	259	6.2	13	490	6.50	-5	19	0.05	5.27	1.77	210

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: DMP-Wildv Description: Discharge into Bilger Run near Wildwoods

Lat: 40.97208

Downstream Point: SMP-BR1 Type: Point Source

Long: -78.5756

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
		10/23/04	CCCD	117	6.0	6.667	402	5.60	16	10	0.049	10.70	2.37	154
		11/20/04	CCCD	136	6.3	6.111	420	5.50	12	9	0.049	10.30	2.56	185
		12/18/04	CCCD	81	6.2	3.3	332	6.10	14	12	0.049	9.29	1.69	125
		1/19/05	CCCD	178	6.1	-1.111	288	6.20	11	10	0.05	7.86	1.57	101
		2/16/05	CCCD	189	6.1	5	246	6.20	7	10	0.06	4.68	0.93	69
		3/22/05	CCCD	127	5.9	5.556	336	5.80	8	7	0.049	3.96	1.69	116
		4/20/05	CCCD	81	5.6	8.889	425	5.40	14	7	0.049	4.30	2.38	163
		5/18/05	CCCD	50	5.9	10.56	463	5.10	13	6	0.05	5.82	2.87	291
		6/22/05	CCCD	42	5.9	12.22	526	5.90	15	9	0.05	9.67	3.52	204
		7/20/05	CCCD	65	5.9	14.44	545	5.90	22	11	0.05	13.80	3.69	235
		8/24/05	CCCD	43	5.9	8.889	592	5.50	50	9	0.05	13.80	4.67	246
		9/14/05	CCCD	43	5.9	11.11	467	5.50	24	11	0.049	12.70	4.60	240

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: SMP-BR2 Description: Bilger Run behind Wildwoods

Lat: 40.9734

Downstream Point: SMP-BR1 Type: In-Stream

Long: -78.5764

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	Cool, overca:	10/22/04	MK, EL	2869	6.5	9	288	6.60	0	12	0.24	0.26	1.22	105
	Cloudy, cool,	11/22/04	MK, EL	1638	6.9	7	319	6.40	2	13	0.15	0.22	1.30	130
	heavy rain	2/9/05	HB, MK	5492	6.1	1.5	384	6.40	1	13	1	0.36	2.53	159
	partly cloudy	3/16/05	AT, MK	5432	6.5	0	323	6.40	16	2	0.86	0.43	1.47	127
	warm, sunny	4/14/05	JB, MK	4039	6.3	9	343	6.70	2	10	0.7	0.40	1.89	126
	cool, sunny	5/18/05	JB, MK	1195	6.8	10.5	372	6.40	3	12	0.38	0.51	1.25	128
	hot, cloudy	6/15/05	HB, MK	733	6.3	18	313	6.80	1	11	0.19	0.22	0.31	97
	sunny, humic	7/13/05	AT, MK	564	6.5	18	377	6.80	1	14	0.07	0.13	0.25	126
	warm, sunny	8/22/05	GS, MK	125	6.6	17	347	6.50	3	10	0.07	0.14	0.20	118
	warm, sunny	9/14/05	GS, MK	132	6.2	14	399	6.50	2	9	0.05	0.06	0.08	164

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: SMP-FR1 Description: Fenton Run off of 6th St. Ext.

Lat: 40.98692

Downstream Point: SMP-BR2 Type: In-Stream

Long: -78.61187

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	Cool, overcast	10/22/04	MK, EL	631	7.1	9.5	521	7.30	0	44	0.26	0.35	1.15	200
	Cloudy, cool,	11/22/04	MK, EL	434	7.1	7	529	6.90	0	45	0.17	0.24	1.00	222
	heavy rain	2/9/05	HB, MK	1909	6.6	2	402	6.90	-20	33	0.39	0.39	0.88	154
	partly cloudy	3/16/05	AT, MK	727	7.1	0.5	511	7.20	-40	54	0.31	0.29	1.07	220
	warm, sunny	4/14/05	JB, MK	846	6.6	10	539	7.50	-29	43	0.33	0.28	1.06	6
	cool, sunny	5/18/05	JB, MK	289	7.3	13	604	6.90	-37	51	0.19	0.31	1.08	229
	hot, cloudy	6/15/05	HB, MK	205	6.8	19	595	7.50	-36	49	0.13	0.27	0.66	219
	sunny, humid	7/13/05	AT, MK	148	7.0	20	600	7.40	-41	57	0.12	0.60	0.47	222
	warm, sunny	8/22/05	GS, MK	77	7.2	18.5	529	7.40	-45	60	0.05	0.69	0.26	179
	warm, sunny	9/14/05	GS, MK	56	7.1	14	506	7.30	-42	55	0.25	4.00	0.32	181

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: SMP-HR1 Description: Hughey Run above Confluence with Bilger Run

Lat: 41.00053

Downstream Point: SMP-BR2 Type: In-Stream

Long: -78.60292

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	Cool, overca:	10/22/04	MK, EL	413	5.8	9.5	122	6.00	4	8	0.2	0.26	0.33	30
	Cloudy, cool,	11/22/04	MK, EL	346	5.8	7	120	5.90	5	9	0.16	0.30	0.30	28
	heavy rain	2/9/05	HB, MK	857	5.6	3	117	5.90	4	8	0.26	0.26	0.25	25
	partly cloudy	3/16/05	AT, MK	798	6.1	2	124	5.80	8	10	0.2	0.15	0.24	28
	warm, sunny	4/14/05	JB, MK	775	5.4	8	127	5.90	5	7	0.15	0.10	0.24	25
	cool, sunny	5/18/05	JB, MK	279	5.7	10	144	5.70	7	7	0.16	0.10	0.37	32
	hot, cloudy	6/15/05	HB, MK	152	5.6	15.5	151	5.90	4	9	0.16	0.19	0.38	29
	sunny, humic	7/13/05	AT, MK	52	6.1	19	160	6.00	6	8	0.15	0.30	0.35	28
	warm, sunny	8/22/05	GS, MK	29	6.5	17	159	6.10	6	9	0.18	0.51	0.42	28
	warm, sunny	9/14/05	GS, MK	24	6.6	14	152	6.30	3	9	0.11	0.24	0.36	32

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: SMP-BR3 Description: Bilger Run above confluence

Lat: 40.99932

Downstream Point: SMP-BR2 Type: In-Stream

Long: -78.6044

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	Cool, overca:	10/22/04	MK, EL	675	4.4	9.5	434	4.50	20	4	1.29	0.41	5.45	178
	Cloudy, cool,	11/22/04	MK, EL	529	5.5	7	438	4.70	16	6	1.18	0.36	5.68	198
	heavy rain	2/9/05	HB, MK	2150	4.5	0	549	4.40	30	3	3.18	0.73	8.75	270
	partly cloudy	3/16/05	AT, MK	829	4.7	0	453	4.40	24	6	2.32	0.39	5.34	201
	warm, sunny	4/14/05	JB, MK	902	4.1	14	551	4.30	26	3	2.4	0.34	6.04	234
	cool, sunny	5/18/05	JB, MK	519	4.1	13	599	4.10	35	2	2.67	0.57	9.77	289
	hot, cloudy	6/15/05	HB, MK	241	4.0	23	552	4.00	27	1	0.74	1.41	8.15	217
	sunny, humic	7/13/05	AT, MK	104	5.4	26	515	4.70	20	6	0.16	3.72	6.97	195
	warm, sunny	8/22/05	GS, MK	44	6.6	17	502	6.50	1	26	0.05	3.95	6.07	190
	warm, sunny	9/14/05	GS, MK	29	6.4	16	656	5.90	6	10	0.11	1.00	9.46	312

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: DMP-BR3 Description: BILG1-pond road

Lat: 40.99665

Downstream Point: SMP-BR3 Type: Point Source

Long: -78.61457

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
		10/23/04	CCCD	12	4.3	8.9	437	4.30	15	3	0.71	0.44	3.96	175
		12/5/04	CCCD	60	6.0	4.444	376	4.50	17	5	1.02	0.51	2.88	163
		12/24/04	CCCD	20	4.5	3.333	365	4.60	12	5	0.95	0.93	3.32	162
	estimated flo	1/18/05	CCCD	150	4.5	5	395	4.60	16	5	1.46	0.56	2.67	174
		1/20/05	CCCD	30	4.5	0	394	4.60	16	5	1.19	0.65	2.37	173
		2/13/05	CCCD	20	4.7	0	359	4.80	16	6	1	1.66	3.08	163
		3/17/05	CCCD	20	5.2	1.111	344	5.40	13	9	0.58	4.35	3.34	143
		4/14/05	CCCD	60	4.9	6	367	4.80	15	5	0.95	1.64	2.32	142
		5/23/05	CCCD	4	5.2	12	354	6.10	10	9	0.12	2.41	3.01	145
		6/20/05	CCCD	1	4.7	13	363	4.60	10	4	0.30	1.00	3.76	130
	No flow	9/20/05	CCCD		4.5	18	381	4.60	10	4	0.31	0.75	3.70	141

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: DMP-BR4 Description: BILG2-discharge

Lat: 41.0068

Downstream Point: SMP-BR3 Type: Point Source

Long: -78.61978

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
		10/23/04	CCCD	20	3.9	10	1390	3.80	144	0	12.5	18.90	27.10	611
		12/5/04	CCCD	60	5.6	7.778	1220	3.90	116	0	11.4	7.34	20.80	615
		12/24/04	CCCD	20	4.0	5.556	1170	3.60	97	0	10.3	10.10	21.20	593
	estimated flo	1/18/05	CCCD	100	3.8	10	395	3.70	108	0	12.2	5.64	21.90	609
		1/20/05	CCCD	60	3.9	5	1220	3.60	122	0	11.6	6.01	21.20	602
		2/13/05	CCCD	30	3.9	5.556	1160	3.80	104	0	10.3	8.83	19.20	573
		3/17/05	CCCD	30	3.8	5.556	1110	3.80	80	0	9.46	6.36	17.90	552
		4/14/05	CCCD	20	3.8	5	1080	3.70	87	0	9.38	2.14	13.20	518
		5/23/05	CCCD	9	3.9	5	1130	3.80	100	0	10.30	7.81	16.60	579
		6/20/05	CCCD	3	3.9	6	1160	3.80	96	0	10.20	7.60	15.80	593
		7/18/05	CCCD	1	3.8	7	1150	3.60	96	0	9.96	12.40	17.70	667
	No flow	9/20/05	CCCD		3.1	17	1180	3.50	72	0	5.61	2.91	16.30	577

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: DMP-BR4 Description: BILG3-at wetland

Lat: 41.00282

Downstream Point: SMP-BR3 Type: Point Source

Long: -78.62427

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
		10/23/04	CCCD	20	3.8	8.3	1300	3.70	116	0	9.04	11.50	24.80	528
		12/5/04	CCCD	20	5.8	3.333	1240	3.80	119	0	8.34	19.00	25.10	597
	estimated flo	12/27/04	CCCD	150	3.9	4	1260	4.00	146	1	7.65	24.90	24.10	646
	estimated flo	1/18/05	CCCD	250	3.9	4	1140	3.80	97	0	9.05	8.68	22.90	563
		2/13/05	CCCD	25	3.9	-2.222	1200	3.70	119	0	11.5	17.90	29.90	572
		3/17/05	CCCD	60	3.9	1.111	1140	3.90	104	0	9.09	22.80	24.00	557
		4/14/05	CCCD	120	3.9	7	1150	3.90	107	0	9.85	15.60	21.10	514
		5/23/05	CCCD		3.5	6	1250	3.60	118	0	8.97	14.20	21.90	611
		6/20/05	CCCD	26	3.3	20	1330	3.30	117	0	8.45	7.39	22.30	614
		7/18/05	CCCD	16	3.2	20	1190	3.10	109	0	7.70	3.08	20.30	572
	No flow	9/20/05	CCCD		2.9	20	1360	3.30	110	0	8.22	4.83	23.10	627

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: SMP-BR4 Description: Bilger headwaters near 3 ponds

Lat: 41.00605

Downstream Point: SMP-BR3 Type: In-Stream

Long: -78.63525

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	cloudy, cool	11/22/04	MK, EL		6.1	7.5	218	5.70	7	8	0.36	1.19	1.23	62
	estimated flo	2/9/05	HB, MK		5.5	3.5	288	5.50	10	7	2.21	2.05	1.59	95
	partly cloudy	3/16/05	AT, MK	326	5.6	4	238	4.90	14	6	1	0.53	1.05	70
	warm, sunny	4/14/05	JB, MK	255	5.0	12	279	5.00	12	6	1.37	0.51	1.30	78
	cool, sunny	5/18/05	JB, MK	56	5.8	15	191	5.70	8	6	0.25	0.55	0.76	37
	hot, cloudy	6/15/05	HB, MK	77	5.6	17	176	6.80	3	9	0.14	0.71	0.68	32
	sunny, humic	7/13/05	AT, MK	16	6.2	23.5	220	6.10	4	10	0.14	1.26	0.80	34
	warm, sunny	8/22/05	GS, MK	10	6.0	24	198	6.40	0	13	1.03	2.47	0.75	26
	estimated flo	9/14/05	GS, MK	12	6.4	23	205	6.40	0	13	0.08	1.47	0.68	31

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: SMP-KR2 Description: Below Stronach Rd. Bridge

Lat: 40.96653

Downstream Point: SMP-KR1 Type: In-Stream

Long: -78.58967

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	Cool, overcast	10/22/04	MK, EL	1923	7.0	10	251	7.20	0	36	0.06	0.33	0.09	52
	Cloudy, cool,	11/22/04	MK, EL	1079	7.1	7	273	6.80	0	42	0.049	0.40	0.10	63
	heavy rain	2/9/05	HB, MK	4992	6.3	2	265	6.70	-14	29	0.38	0.82	0.18	42
	partly cloudy	3/16/05	AT, MK	2030	6.9	1.5	349	6.80	-20	34	0.12	0.38	0.16	70
	warm, sunny	4/14/05	JB, MK	1835	6.4	9.5	311	7.40	-20	31	0.11	0.32	0.11	71
	cool, sunny	5/18/05	JB, MK	504	7.4	13	360	6.90	-33	49	0.06	0.43	0.10	75
	hot, cloudy	6/15/05	HB, MK	370	6.7	20	439	7.60	-48	60	0.06	0.47	0.20	87
	sunny, humid	7/13/05	AT, MK	169	6.9	21.5	537	7.60	-56	70	0.08	0.49	0.15	99
	warm, sunny	8/22/05	GS, MK	84	7.4	19	490	7.70	-64	82	0.07	0.41	0.10	83
	warm, sunny	9/14/05	GS, MK	105	6.9	16	520	7.70	-73	91	0.08	0.40	0.07	96

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: SMP-AC2 Description: Anderson Creek, 100 ft above old closed bridge

Lat: 40.97817

Downstream Point: SMP-AC1 Type: In-Stream

Long: -78.54647

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	Cloudy, light	10/23/04	MK, EL	18029	4.8	9	173	4.60	12	5	0.78	0.12	1.01	48
	Cloudy, cool,	11/22/04	MK, EL	17102	5.2	7	165	4.80	11	6	0.79	0.12	1.04	55
	heavy rain	2/9/05	HB, MK	52041	5.1	1.5	219	4.70	12	5	1	0.63	1.34	67
	partly cloudy	3/16/05	AT, MK	32917	5.0	1	153	4.60	14	6	0.87	0.38	0.68	40
	warm, sunny	4/14/05	JB, MK	43021	4.5	8	155	4.70	10	5	0.84	0.29	0.67	36
	cool, sunny	5/18/05	JB, MK	14932	4.6	11.5	171	4.60	13	5	0.8	0.09	0.88	40
	sunny, hot	6/10/05	MK, EL		4.5	25	153	4.50	5	8	0.5	0.09	0.74	33
	hot, cloudy	6/15/05	HB, MK	10000	4.3	20.5	154	4.70	8	5	0.48	0.40	0.68	32
	sunny, humic	7/13/05	AT, MK	4499	4.5	21.5	248	4.40	15	4	0.82	0.11	1.20	52
	sunny, warm	8/22/05	GS, MK	2276	4.4	19.5	230	4.40	13	4	0.76	0.09	1.17	53
	sunny, warm	9/14/05	GS, MK	2,220	4.3	15	234	4.40	12	4	0.95	0.07	1.22	68

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: SMP-AC3 Description: Anderson Creek, 25-30 ft above dam

Lat: 41.01322

Downstream Point: SMP-AC2 Type: In-Stream

Long: -78.58527

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	Cloudy, light	10/23/04	MK, EL	16492	4.7	8	177	4.70	11	5	0.73	0.20	1.02	50
	Cloudy, cool,	11/23/04	MK, EL	15146	4.9	5	166	4.90	10	5	0.77	0.23	1.08	52
	heavy rain	2/10/05	HB, MK		5.2	1.5	117	5.10	8	6	0.66	0.63	0.75	31
	sunny	3/17/05	AT, MK	32653	4.6	1	156	4.80	12	5	0.84	0.48	0.76	41
	warm, sunny	4/15/05	JB, MK	43364	4.5	7.5	153	4.70	9	5	0.84	0.43	0.70	38
	cool, sunny	5/19/05	JB, MK	15683	4.7	10	167	4.70	12	5	0.72	0.10	0.83	42
	hot, rain	6/16/05	HB, MK	22817	4.6	18	185	4.80	9	5	0.42	0.29	0.79	41
	sunny, humid	7/13/05	AT, MK	4568	4.4	25	223	4.40	15	4	0.81	0.10	1.30	54
	warm, sunny	8/22/05	GS, MK	2585	4.3	22	245	4.40	13	3	0.92	0.13	1.62	63
	warm, sunny	9/15/05	GS, MK	1397	4.4	18	230	4.40	12	4	0.80	0.05	1.25	65

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: DMP-AC3 Description: PWR-Anderson Gorge

Lat: 40.99475

Downstream Point: SMP-AC2 Type: Point Source

Long: -78.57042

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
		10/23/04	CCCD	8	3.1	8.9	748	3.10	208	0	23.6	1.68	3.34	217
		12/5/04	CCCD	15	5.3	5.556	789	3.10	193	0	22.1	1.37	2.08	192
	Sample taken	12/23/04	CCCD	126	4.5	3.3	83	4.50	10	6	0.7	0.16	0.49	23
		1/15/05	CCCD	55	3.1	4	648	3.10	163	0	21.8	1.26	1.91	151
		2/11/05	CCCD	15	3.1	2.778	693	3.10	182	0	23.6	1.55	2.73	174
		4/15/05	CCCD	24	3.0	7.222	758	3.00	172	0	18.8	1.06	1.95	165
		5/21/05	CCCD	9	2.8	12.22	705	3.20	172	0	22.4	1.33	3.06	173
		6/20/05	CCCD	4	3.1	17.78	878	3.00	201	0	21.70	2.70	3.45	244
		8/22/05	CCCD		3.0	18	927	3.00	271	0	33.20	13.50	7.41	405

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: DMP-AC3 Description: NEEP2

Lat: 41.99665

Downstream Point: SMP-AC2 Type: Point Source

Long: -78.61457

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
		10/23/04	CCCD	12	3.3	8.9	339	3.40	51	0	3.34	1.98	0.49	39
		12/5/04	CCCD	60	5.4	7.222	303	3.40	45	0	3.28	1.06	0.45	36
		12/23/04	CCCD	42	3.4	5	299	3.3	50	0	3.07	1.24	0.37	86
		1/15/05	CCCD	70	3.2	9	310	3.30	51	0	3.38	1.42	0.46	39
		2/12/05	CCCD	34	3.4	5.556	259	3.50	39	0	2.47	0.63	0.37	34
		3/17/05	CCCD	34	3.2	5.556	254	3.50	36	0	2.16	0.57	0.34	35
		4/15/05	CCCD	34	3.2	8.889	303	3.40	41	0	2.74	0.79	0.36	37
		5/21/05	CCCD	12	3.1	10	225	3.60	32	0	1.86	0.29	0.29	30
		6/20/05	CCCD	2	3.3	11.11	231	3.50	28	0	1.41	0.14	0.26	32
		8/22/05	CCCD		3.3	12	369	3.30	55	0	4.56	0.97	0.58	49

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: DMP-AC3 Description: NEEP1

Lat: 41.00197

Downstream Point: SMP-AC2 Type: Point Source

Long: -78.5679

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
		10/23/04	CCCD	7	5.0	7.8	108	4.60	11	5	0.39	0.19	0.09	28
		12/5/04	CCCD	12	6.6	5	103	5.10	10	6	0.45	0.07	0.07	29
		12/23/04	CCCD	126	5.2	3.3	92	4.90	10	6	0.63	0.09	0.08	27
		1/15/05	CCCD	12	5.0	3	98	4.80	11	5	0.45	0.06	0.06	74
		2/12/05	CCCD	6	4.9		87	5.30	6	6	0.22	0.05	0.05	24
	PNR Neep1	3/16/05	CCCD	16	3.1	0.5556	716	3.00	177	0	22	1.34	2.45	169
		5/21/05	CCCD	12	4.2	6.667	90	5.00	6	7	0.4	1.00	0.09	25

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: SMP-LA1 Description: Little Anderson, below train tunnel

Lat: 41.05407

Downstream Point: SMP-AC3 Type: In-Stream

Long: -78.65567

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	Cloudy, light rain	10/23/04	MK, EL	4061	3.9	8.5	571	4.60	18	5	1.18	0.27	4.80	259
	Cloudy, cool, heavy rain	11/23/04	MK, EL	2300	3.9	5	554	3.80	42	0	3.11	4.34	4.84	237
	heavy rain	2/10/05	HB, MK	19859	4.5	1	273	4.30	19	3	1.88	1.98	2.73	90
	sunny	3/17/05	AT, MK	4960	3.8	1	567	3.80	42	0	4.18	4.24	5.44	250
	warm, sunny	4/15/05	JB, MK	4974	3.5	10	554	3.70	46	0	4.12	3.89	4.57	209
	cool, sunny	5/19/05	JB, MK	21492	3.7	9.5	543	3.70	48	0	3.83	0.10	0.80	195
	hot, rain	6/16/05	HB, MK	2250	3.6	17	701	3.50	49	0	3.13	4.18	6.54	262
	partly sun, hot	7/14/05	AT, MK	707	3.8	18.5	746	3.40	71	0	4.39	8.21	6.11	264
	cloudy, warm	8/23/05	GS, MK	240	3.6	14	724	3.40	81	0	5.13	17.50	8.76	284
	warm, sunny	9/15/05	GS, MK	365	3.5	14.5	731	3.30	83	0	5.22	16.90	7.65	335

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: SMP-RR1 Description: Rock Run above confluence with Little Anderson

Lat: 41.05268

Downstream Point: SMP-LA1 Type: In-Stream

Long: -78.65825

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	cloudy, cool,	11/23/04	MK, EL	794	5.2	7	748	4.70	17	5	1.11	1.00	8.70	376
	heavy rain	2/9/05	HB, MK	6428	5.4	1	364	5.10	11	6	1.1	1.09	4.21	156
	sunny	3/16/05	AT, MK	1943	5.4	1	704	4.90	15	6	1.45	1.09	7.15	344
	warm, sunny	4/15/05	JB, MK	1570	7.0	7	692	4.80	14	6	1.47	0.76	6.36	328
	cool, sunny	5/19/05	JB, MK	489	5.1	11	705	4.70	18	5	1.17	5.04	4.88	323
	rain, hot	6/16/05	HB, MK	900	4.9	18	839	4.60	14	5	0.77	1.16	9.55	343
	cloudy, humid	7/14/05	AT, MK	182	5.0	21	798	4.30	15	4	0.54	1.51	7.88	349
	cloudy, warm	8/23/05	GS, MK	113	5.4	15	810	4.50	23	7	0.32	3.68	9.25	456
	warm, sunny	9/15/05	GS, MK	79	5.5	16	758	4.20	12	2	0.29	4.01	6.74	364

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: PAMP-LA3 Description: _____

Lat: 41.04153

Downstream Point: SMP-LA1 Type: Point Source

Long: -78.66758

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
		12/17/04	CCCD	6	3.4	2	566	3.30	115	0	13.8	0.90	3.27	139
		1/19/05	CCCD	12	3.4	2	674	3.20	142	0	19.1	1.38	3.80	197
		2/16/05	CCCD	13	3.6	1	511	3.30	115	0	16	1.58	3.43	145

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: DMP-Drau Description: Draucker mine discharge

Lat: 41.03678

Downstream Point: SMP-LA1 Type: Point Source

Long: -78.67203

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
		10/22/04	CCCD	178	4.1	10	505	4.10	21	2	1.01	1.76	4.36	180
		11/18/04	CCCD	136	3.9	9	490	3.90	26	0	0.92	2.19	4.34	191
		12/17/04	CCCD	370	4.1	3	429	4.00	27	1	1.23	0.95	3.04	161
		1/19/05	CCCD	870	4.3	1	509	4.30	18	3	1.31	0.76	3.40	209
		2/16/05	CCCD	324	4.2	2	439	4.10	28	1	1.6	1.09	3.32	164
		3/18/05	CCCD	210	4.1	3	525	3.40	25	1	1.52	0.80	3.47	194
		4/18/05	CCCD	258	4.0	12	547	4.00	27	1	1.67	0.68	3.33	183
		5/23/05	CCCD	106	3.8	11	511	3.80	25	0	1.00	1.07	3.52	165
		6/17/05	CCCD	99	3.7	14.44	627	3.70	28	0	0.82	2.21	5.03	189
		7/15/05	CCCD	50	3.4	17	685	3.50	43	0	0.47	4.42	5.07	214
		8/22/05	CCCD	35	3.4	17	671	3.50	38	0	0.23	6.95	6.35	208
		9/19/05	CCCD	35	3.4	15.56	634	3.50	37	0	0.29	5.99	5.69	225

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: DMP-Drau Description: Dracker Mine discharge

Lat: 41.03478

Downstream Point: SMP-LA1 Type: Point Source

Long: -78.67058

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
		10/22/04	CCCD	35	2.9	11	2230	2.80	645	0	48.5	75.30	20.80	837
		11/18/04	CCCD	65	2.7	12	2160	2.70	677	0	59.4	103.00	24.30	191
		12/17/04	CCCD	178	2.8	12	2030	2.70	652	0	58.4	59.00	15.60	808
		1/19/05	CCCD	294	2.9	10	1870	2.70	519	0	49.4	52.90	15.60	714
		2/16/05	CCCD	178	3.1	10	1840	2.70	591	0	56.3	62.10	18.50	775
		3/18/05	CCCD	136	2.7	11	1870	2.70	574	0	52.7	67.70	20.20	832
		4/18/05	CCCD	136	2.8	10	1830	2.80	546	0	49.8	62.30	18.50	753
		5/23/05	CCCD	99	2.8	11	1940	2.80	634	0	49.40	70.00	18.50	875
		6/17/05	CCCD	65	2.8	10	1990	2.80	650	0	60.80	94.00	24.60	890
		7/15/05	CCCD	65	2.8	9	2010	2.80	682	0	69.40	98.40	25.30	984
		8/22/05	CCCD	35	2.8	9	2030	2.80	647	0	61.80	98.80	27.10	1059
		9/19/05	CCCD	23	2.8	10.56	2000	2.80	670	0	68.8	104.00	28.10	1556

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: PAMP-LA3 Description: Point above highwall

Lat: 41.04142

Downstream Point: SMP-LA1 Type: Point Source

Long: -78.6745

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
		10/22/04	CCCD	117	3.5	10	663	3.50	33	0	0.77	2.17	7.33	253
		11/18/04	CCCD	65	3.4	9	760	3.50	45	0	0.68	2.82	8.67	315
		12/17/04	CCCD	157	3.7	3	603	3.70	41	0	1.12	2.80	6.97	249
		1/19/05	CCCD	370	3.7	1	542	3.70	29	0	1.46	1.55	5.69	237
		2/16/05	CCCD	294	3.9	2	459	3.70	27	0	1.08	1.79	5.69	269
		3/18/05	CCCD	157	3.6	5	617	3.60	33	0	1.1	2.21	9.42	322
		4/18/05	CCCD	200	3.5	11	653	3.60	34	0	1.42	1.47	7.58	227
		5/23/05	CCCD	136	3.4	12	690	3.40	42	0	0.81	1.67	7.78	274
		6/17/05	CCCD	65	3.3	14.44	817	3.40	47	0	0.57	2.70	8.10	298
		7/15/05	CCCD	35	3.2	19	1080	3.20	72	0	0.50	5.08	12.10	399
		8/22/05	CCCD	23	3.2	18	1070	3.20	77	0	0.44	7.90	13.40	494
		9/19/05	CCCD	13	3.1	15.56	1220	3.20	76	0	0.45	8.23	13.70	464

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: PAMO-LA Description: Point below trench

Lat: 41.04097

Downstream Point: SMP-LA1 Type: Point Source

Long: -78.67197

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
		10/22/04	CCCD	117	3.5	10	671	3.40	67	0	4.38	2.38	5.24	243
		11/18/04	CCCD	99	3.3	9	755	3.40	69	0	4.78	3.46	7.20	290
	estimated flo	12/17/04	CCCD	245	3.5	3	648	3.30	86	0	6.51	2.81	5.04	216
	estimated flo	1/9/05	CCCD	543	3.5	2	583	3.50	61	0	5.02	1.84	4.84	220
		2/16/05	CCCD	449	3.6	4	532	3.50	59	0	4.64	2.11	5.17	197
		3/18/05	CCCD	236	3.4	4	626	3.40	70	0	4.91	2.41	5.78	212
		4/18/05	CCCD	300	3.4	18	664	3.40	62	0	5.34	2.59	5.64	210
		5/23/05	CCCD	178	3.3	13	691	3.40	61	0	3.66	2.13	6.13	255
		6/17/05	CCCD	117	3.3	15.56	734	3.30	64	0	3.65	5.39	7.86	234
		7/15/05	CCCD	50	3.1	22	942	3.30	82	0	4.52	4.76	10.40	362
		8/22/05	CCCD	35	3.2	23	969	3.20	82	0	3.37	6.92	10.60	356
		9/19/05	CCCD	23	3.2	18.89	1020	3.30	82	0	2.93	9.53	12.00	406

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: PAMP-LA3 Description: Reasinger property

Lat: 41.04175

Downstream Point: SMP-LA1 Type: Point Source

Long: -78.67725

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
		10/22/04	CCCD	35	3.5	11	777	3.50	48	0	0.51	11.00	9.50	323
		11/18/04	CCCD	65	3.5	10	859	3.50	63	0	0.44	15.40	11.30	387
		12/17/04	CCCD	99	3.9	3	805	3.60	64	0	0.69	19.00	11.70	386
		1/19/05	CCCD	178	3.7	5	648	3.50	38	0	0.92	4.72	8.01	271
		2/16/05	CCCD	178	3.8	4	607	3.80	40	0	0.7	8.49	8.02	284
		3/18/05	CCCD	136	3.6	3	688	3.80	45	0	0.69	12.10	9.42	322
		4/18/05	CCCD	136	3.5	11	717	3.60	42	0	0.85	7.97	9.11	292
		5/23/05	CCCD	136	3.5	10	738	3.50	55	0	0.52	9.38	8.77	322
		6/17/05	CCCD	35	3.4	13.33	873	3.40	62	0	0.44	13.90	13.10	362
		7/15/05	CCCD	23	3.2	18	1110	3.30	84	0	0.35	11.60	13.50	437
		8/22/05	CCCD	13	3.2	20	1140	3.20	96	0	0.28	15.20	13.20	597
		9/19/05	CCCD	13	3.1	18.89	1250	3.20	101	0	0.31	14.60	15.00	777

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: DMP-KOR Description: Spencer Mine Discharge

Lat: 41.02708

Downstream Point: SMP-LA1 Type: Point Source

Long: -78.6517

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
		10/23/04	CCCD	35	2.8	6.111	1570	2.70	398	0	34.4	54.30	11.30	466
		11/21/04	CCCD	29	2.9	5.556	1510	2.70	428	0	32.4	53.09	9.78	575
		12/18/04	CCCD	136	2.9	5.6	1530	2.70	394	0	31.1	48.60	8.33	524
		1/15/05	CCCD	234	2.9	5.556	1350	2.80	327	0		31.80	6.12	428
		2/13/05	CCCD	57	2.8	5.556	1370	2.80	344	0	25.5	36.20	7.05	460
		3/17/05	CCCD	157	2.7	5	1460	2.80	343	0	25.6	38.40	7.90	487
		4/14/05	CCCD	117	2.8	9	1400	2.80	307	0	23.5	32.90	7.20	454
		5/23/05	CCCD	65	2.8	7	1530	2.80	359	0	26.40	36.70	8.09	498
		6/20/05	CCCD	50	2.6	13	1640	2.70	388	0	34.10	47.30	9.89	528
		7/18/05	CCCD	35	2.6	12	1550	2.70	413	0	32.30	45.60	9.09	582
		8/19/05	CCCD	13	2.5	12	1600	2.70	436	0	35.70	49.10	9.81	622
		9/20/05	CCCD	20	2.3	14	1800	2.70	450	0	39.4	53.50	10.60	656

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: SMP-LA2 Description: Just downstream of Rt. 219 bridge

Lat: 41.02718

Downstream Point: SMP-LA1 Type: In-Stream

Long: -78.67117

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	Cloudy, light	10/23/04	MK, EL	847	4.5	8	403	4.30	27	3	2.26	2.41	3.25	155
	Cloudy, cool,	11/22/04	MK, EL	888	4.7	6.75	378	4.50	25	5	2.42	2.58	3.36	164
	heavy rain	2/9/05	HB, MK	4556	5.1	1	325	4.80	21	5	2.36	2.38	3.74	111
	partly cloudy	3/16/05	AT, MK		4.6	0	399	4.10	34	4	2.87	1.90	4.27	158
	warm, sunny	4/14/05	JB, MK	1531	4.3	10	428	4.20	23	2	2.24	1.19	3.84	160
	cool, sunny	5/18/05	JB, MK	626	4.4	14	411	4.10	34	1	2.32	1.74	3.55	155
	hot, cloudy	6/15/05	HB, MK	289	3.6	19	616	3.60	49	0	3.86	3.34	5.13	230
	sunny, humic	7/13/05	AT, MK	103	3.7	20	733	3.60	56	0	4.41	2.79	7.19	281
	warm, sunny	8/22/05	GS, MK	29	3.5	19	429	3.40	70	0	6.45	0.94	4.96	121
	warm, sunny	9/14/05	GS, MK	27	3.5	16	873	3.50	73	0	5.93	3.77	14.00	370

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: SMP-LA3 Description: Little Anderson, 10 ft upstream of impact; old LA4.3

Lat: 41.02647

Downstream Point: SMP-LA2 Type: In-Stream

Long: -78.67398

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	Cloudy, light	10/23/04	MK, EL		6.3	8	349	6.30	3	10	0.1	0.45	1.56	123
	Cloudy, cool,	11/22/04	MK, EL		6.4	6	336	6.30	3	12	0.07	0.49	0.84	138
	heavy rain	2/9/05	HB, MK		5.9	0	298	6.20	3	10	1	1.89	2.40	96
	partly cloudy	3/16/05	AT, MK		6.3	0	351	5.80	6	12	0.15	0.33	2.35	140
	warm, sunny	4/14/05	JB, MK	1017	5.5	10	401	6.10	6	7	0.21	0.46	2.98	151
	cool, sunny	5/18/05	JB, MK	490	6.0	12.5	346	5.90	8	8	0.13	0.48	1.74	118
	hot, cloudy	6/15/05	HB, MK	166	5.6	19	441	6.20	4	8	0.1	0.50	0.93	171
	sunny, humic	7/13/05	AT, MK	69	5.6	20	543	5.80	8	8	0.09	0.55	2.31	223
	warm, sunny	8/22/05	GS, MK	16	5.9	18	473	6.20	5	10	0.16	1.18	7.37	183
	estimated flo	9/14/05	GS, MK	35	5.5	16	655	5.60	16	8	0.51	1.90	12.20	316

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: SMP-LA4 Description: SR4010 crosses LA

Lat: _____

Downstream Point: _____ Type: In-Stream

Long: _____

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	warm, sunny	4/14/05	JB, MK	686	5.9	13	401	6.10	6	7	0.21	0.46	2.98	151
	cool, sunny	5/18/05	JB, MK	349	6.4	16.5	402	6.30	4	12	0.08	0.77	0.08	157
	hot, cloudy	6/15/05	HB, MK	587	6.2	21	522	7.00	-10	22	0.07	0.80	3.51	206
	estimated flo	9/14/05	GS, MK	30	5.3	18	720	5.10	20	7	0.42	0.56	15.80	360

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: PMP-LA2.1 Description: _____

Lat: _____

Downstream Point: _____ Type: In-Stream

Long: _____

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	warm, sun	5/19/05	JB, MK	171	3.9	9	362	3.60	64	0	6.86	0.87	7.36	92
	sunny, humic	7/14/05	AT, MK	15	3.8	18	486	3.40	73	0	6.47	0.71	4.23	119
	warm, cloudy	8/23/05	GS, MK	5	3.5	15	793	3.40	72	0	5.09	3.75	11.30	287
	estimated flo	9/15/05	GS, MK	3	3.5	15	490	3.40	72	0	7.42	1.20	5.88	178

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: PA-LA4.3- Description: 10 ft from mouth of stream discharge into LA

Lat: 41.0262

Downstream Point: SMP-LA2 Type: In-Stream

Long: -78.67395

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	Cloudy, over	10/23/04	MK, EL	262	3.6	8	626	3.50	91	0	7.42	8.11	8.10	221
	Cloudy, cool,	11/22/04	MK, EL	262	3.7	6	555	3.60	80	0	7.33	7.16	8.02	224
	estimated 30	2/9/05	HB, MK		3.4	1.5	381	3.80	49	0	5.02	3.77	5.08	136
	partly cloudy	3/16/05	AT, MK		4.1	0	461	3.60	64	0	6.12	3.65	5.89	194
	warm, sunny	4/14/05	JB, MK	427	3.6	10	521	3.60	53	0	5.87	2.86	5.92	181
	cool, sunny	5/18/05	JB, MK	41	3.5	12.5	604	3.50	90	0	6.91	4.09	7.48	217
	hot, cloudy	6/15/05	HB, MK	143	3.0	19	962	3.20	137	0	9.43	8.90	11.10	339
	sunny, humic	7/13/05	AT, MK	41	3.2	21	1210	3.10	183	0	13.10	12.60	16.20	466
	warm, sunny	8/22/05	GS, MK	10	3.0	18	1300	3.00	234	0	16.80	18.60	21.30	638
	estimated flow	9/14/05	GS, MK	25	3.1	16	1420	3.00	220	0	17.50	18.30	22.20	576

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: PA-LA4.3-2 Description: Downstream Cramer Road bridge, 300 yds.

Lat: 41.01815

Downstream Point: PA-LA4.3-2 Type: In-Stream

Long: -78.67825

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	Cloudy, light	10/23/04	MK, EL	112	6.1	9	178	5.90	4	8	0.11	0.70	0.87	43
	Cloudy, cool,	11/22/04	MK, EL	91	6.0	7	153	6.00	4	10	0.09	0.62	0.69	39
	Weir blown o	2/9/05	HB, MK		5.9	2.5	142	6.00	5	8	1.38	9.95	0.70	36
	partly cloudy	3/16/05	AT, MK	136	5.8	3	158	5.50	10	8	0.15	0.32	0.59	41
	warm, sunny	4/14/05	JB, MK	136	5.5	11	176	6.00	4	6	0.24	0.45	0.55	45
	cool, sunny	5/18/05	JB, MK	64	5.9	15	167	5.90	7	8	0.14	0.41	0.74	37
	hot, cloudy	6/15/05	HB, MK	30	5.8	18.5	194	6.30	3	9	0.2	0.72	1.38	49
	cloudy, humid	7/13/05	AT, MK	15	5.8	21	242	6.00	6	9	0.12	0.50	1.99	71
	warm, sunny	8/22/05	GS, MK	10	6.0	20	272	6.20	6	9	0.15	1.03	2.41	75
	estimated flo	9/14/05	GS, MK	10	5.8	21	207	6.30	1	11	0.13	1.09	1.56	67

WRAM v2.0 - Sample Point Data

Project Name: Anderson Creek

Sample ID: SMP-AC4 Description: _____

Lat: 41.96653

Downstream Point: SMP-AC3 Type: In-Stream

Long: -78.58967

(1) Smp No.	(2) Sample Note	(3) Sample Date	(4) Sampler	Field Parameters				Laboratory Analyses						
				(5) Flow (gpm)	(6) pH (SU)	(7) Temp. (oC)	(8) Cond. uS	(9) pH (SU)	(10) Acid. (mg/L)	(11) Alk. (mg/L)	(12) Al (mg/L)	(13) Fe (mg/L)	(14) Mn (mg/L)	(15) SO ₄ (mg/L)
	Cloudy, light	10/23/04	MK, EL	6898	6.7	10	102	6.40	2	10	0.049	0.17	0.04	22
	Cloudy, cool,	11/23/04	MK, EL	8027	6.6	7	99	6.50	2	10	0.049	0.19	0.04	22
	Heavy rain	2/10/05	HB, MK	41749	6.1	2	85	6.10	6	8	0.23	0.20	0.15	19
	sunny	3/17/05	AT, MK	12060	6.1	0.25	112	6.30	4	7	0.15	0.18	0.14	21
	warm, sunny	4/15/05	JB, MK	16951	6.3	14	118	6.50	2	8	0.16	0.20	0.08	19
	cool, sunny	5/19/05	JB, MK	6057	6.7	14	112	6.40	4	9	0.049	0.12	0.03	19
	rain, hot	6/16/05	HB, MK	21327	6.5	21	125	6.70	1	9	0.049	0.15	0.04	17
	cloudy, humid	7/14/05	AT, MK	1383	6.4	21	132	6.90	-1	13	0.05	0.08	0.03	20
	warm, cloudy	8/23/05	GS, MK	1139	6.7	17	138	6.90	-2	14	0.05	0.07	0.02	18
	warm, sunny	9/15/05	GS, MK	1118	6.4	19	130	7.00	-4	14	0.05	0.05	0.02	18