

APPENDIX I –  
WATER SAMPLING DATA –  
STRIP MINES

STONY CREEK WATERSHED (SL-179)  
 WATER SAMPLING DATA  
 STRIP MINE AVERAGES

Sta.	No.	GPM	GPD	pH	Cold Acidity ppm	Hot Acidity ppm	Alkalinity ppm	Alkalinity ppd	Hardness ppm	Hardness ppd
S1L13A	443			6.6	6.25	NT	29.25	187.78	-	-
S1L13B	14			6.8	20.00	NT	165.00	35.46	-	-
S1L13C	195			7.2	9.50	NT	137.50	306.30	-	-
S1L13	652	938,880		6.9	35.75	NT	331.75	529.54	-	-
S1L22	6	8,640		6.0	12.00	NT	12.71	.74	-	-
S3L3A	106			3.3	66.86	NT	-	-	-	-
S3L3B	66			4.6	7.86	NT	3.00	2.64	-	-
S3L3	172	247,680		4.0	74.72	NT	3.00	2.64	-	-
S3L13A	100			6.0	13.00	NT	14.71	5.74	-	-
S3L13B	103			4.7	17.57	NT	3.00	4.98	-	-
S3L13	203	292,320		5.4	30.57	NT	17.71	10.42	-	-
S3L26	25	36,000		6.4	6.00	NT	11.00	5.74	-	-
S1L13A	.13	.54		.13	.54	17	148.89	NT	NT	NT
S1L13B	.10	.03		.10	.03	107	23.78	NT	NT	NT
S1L13C	.15	.45		.23	1.09	101	179.17	NT	NT	NT
S1L13	.38	1.02		.46	1.66	225	351.84	NT	NT	NT
S1L22	3.41	.23		32.03	1.40	209	12.15	NT	NT	NT
S3L3A	.87	.62		3.30	1.83	230	222.03	NT	NT	NT
S3L3B	.30	.22		.63	.61	60	40.86	NT	NT	NT
S3L3	1.17	.84		3.93	2.44	290	262.99	NT	NT	NT
S3L13A	2.96	1.00		3.68	1.34	115	38.34	NT	NT	NT
S3L13B	2.11	1.69		4.14	5.48	117	153.81	NT	NT	NT
S3L13	5.07	2.69		7.82	6.82	232	192.15	NT	NT	NT
S3L26	1.40	.99		6.10	3.94	184	111.20	NT	NT	NT

NT = Not Taken

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Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Hot Acidity ppm	Alkalinity ppm
S4L3A	39		5.6	6.00	2.18 NT	6.29
S4L3B	19		6.0	7.29	1.59 NT	11.57
S4L3C	74		3.9	24.00	19.79 NT	-
S4L3D	42		4.2	19.86	7.61 NT	.74
S4L3E	9		4.8	37.29	2.54 NT	3.71
S4L3F	89		4.3	21.86	20.18 NT	.86
S4L3	272	391,680	4.8	116.30	53.89 NT	25.00
S4L11A	3		3.3	260.00	8.75 NT	-
S4L11B	42		3.4	2,840.00	1,428.28 NT	-
S4L11C	16		3.2	1,580.00	319.25 NT	-
S4L11D	1		3.8	60.40	1.04 NT	-
S4L11E	35		3.5	336.00	117.58 NT	-
S4L11	97	139,680	3.4	5,076.40	1,874.90 NT	-
S4L19	29	41,760	3.3	35.33	14.29 NT	-

	Ferrous Iron ppm	Total Iron ppm	Sulfate ppm	Hardness ppm
S4L3A	1.26	4.63	193	NT
S4L3B	.39	1.06	181	NT
S4L3C	7.79	18.14	295	NT
S4L3D	2.07	6.34	289	NT
S4L3E	25.80	31.67	307	NT
S4L3F	1.19	2.69	399	NT
S4L3	38.50	64.53	1,664	NT
S4L11A	2.18	4.72	528	NT
S4L11B	7.08	23.00	5,900	NT
S4L11C	8.04	11.90	3,460	NT
S4L11D	2.24	3.26	304	NT
S4L11E	9.26	13.72	1,024	NT
S4L11	28.80	56.60	11,216	NT
S4L19	.13	.22	39	NT

NT - Not Taken

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Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Hot Acidity ppm	Alkalinity ppm
S4L21	15	21,600	3.2	68.17	8.72	NT
S4L27A	20		3.5	39.50	8.51	NT
S4L27B	150		3.7	38.00	69.74	NT
S4L27C	1		3.6	17.00	.33	NT
S4L27D	1		3.6	24.17	.45	NT
S4L27E	2		3.5	33.67	9.46	NT
S4L27	174	250,560	3.6	152.34	88.49	NT
S4L34	8	11,520	4.1	14.14	1.54	NT
S4L100A	76		2.7	568.57	427.96	NT
S4L100B	8		2.6	592.86	56.02	NT
S4L100C	10		2.8	370.00	42.74	NT
S4L100D	2		2.7	486.00	10.39	NT
S4L100	96	138,240	2.7	2,017.43	537.11	NT

  

	Ferrous Iron ppm	Total Iron ppm	Sulfate ppm	Hardness ppm
S4L21	4.12	12.13	277	NT
S4L27A	.58	2.65	104	NT
S4L27B	1.78	3.32	198	NT
S4L27C	.13	.28	57	NT
S4L27D	.18	.37	63	NT
S4L27E	2.77	4.07	86	NT
S4L27	5.44	10.69	508	NT
S4L34.	.11	.17	41	NT
S4L100A	11.81	89.59	611	NT
S4L100B	3.49	60.36	723	NT
S4L100C	1.84	9.12	628	NT
S4L100D	4.02	47.40	736	NT
S4L100	21.16	206.47	2,698	NT

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Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
S4L101A	5		3.7	219.00	9.00	NT	-	-	-
S4L101B	2		3.7	110.60	2.13	NT	-	-	-
S4L101C	2		4.1	42.17	.74	NT	-	-	-
S4L101D	6		3.3	306.67	21.58	NT	-	-	-
S4L101E	2		3.6	237.50	2.98	NT	-	-	-
S4L101F	6		3.1	258.33	15.39	NT	-	-	-
S4L101G	3		2.8	255.00	7.53	NT	-	-	-
S4L101H	3		3.0	295.00	9.04	NT	-	-	-
S4L101J	1		3.4	241.67	3.29	NT	-	-	-
S4L101K	2		3.1	186.67	4.35	NT	-	-	-
S4L101L	3		3.5	136.00	3.46	NT	-	-	-
S4L101M	1		3.5	180.00	2.16	NT	-	-	-
S4L101N	4		3.3	144.00	6.32	NT	-	-	-
S4L101O	1		3.8	73.20	1.07	NT	-	-	-
S4L101P	5		3.8	87.00	4.34	NT	-	-	-
S4L101Q	7		3.0	155.60	9.82	NT	-	-	-

	Ferrous Iron ppm	Ferrous Iron ppd	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
S4L101A	1.13	.05	4.17	.14	475	21.44	NT	-
S4L101B	10.42	.17	35.04	.60	244	4.78	NT	-
S4L101C	33.62	.46	54.63	.79	189	2.74	NT	-
S4L101D	1.95	.13	4.62	.23	617	41.77	NT	-
S4L101E	.58	.01	.85	.01	343	6.03	NT	-
S4L101F	6.73	.39	27.17	1.65	421	24.28	NT	-
S4L101G	40.33	1.43	125.67	3.62	417	12.50	NT	-
S4L101H	5.28	.19	30.00	.89	565	18.17	NT	-
S4L101J	17.28	.22	42.83	.55	665	9.35	NT	-
S4L101K	15.92	.38	68.50	1.44	422	10.14	NT	-
S4L101L	5.26	.10	11.50	.24	448	10.86	NT	-
S4L101M	6.22	.07	9.44	.15	670	8.06	NT	-
S4L101N	8.70	.14	21.50	.39	384	17.60	NT	-
S4L101O	1.10	.02	1.52	.03	192	2.81	NT	-
S4L101P	5.32	.25	17.12	.78	179	10.62	NT	-
S4L101Q	2.62	.18	17.92	.86	358	22.41	NT	-

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Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Hot Acidity ppm	Alkalinity ppm	Alkalinity ppd
S4L101R	1		3.1	1,088.00	NT	-	-
S4L101S	3		2.9	1,048.00	NT	-	-
S4L101T	7		3.0	1,186.00	NT	-	-
S4L101U	3		2.9	834.00	NT	-	-
S4L101V	2		3.0	934.00	NT	-	-
S4L101W	1		3.8	606.00	NT	-	-
S4L101X	1		3.4	292.50	NT	-	-
S4L101Y	2		3.4	530.00	NT	-	-
S4L101Z	2		2.9	1,700.00	NT	-	-
S4L101AA	1		2.8	1,475.00	NT	-	-
S4L101BB	2		2.8	1,450.00	NT	-	-
S4L101CC	3		2.8	905.00	NT	-	-
S4L101DD	6		3.3	357.50	NT	-	-
S4L101EE	5		3.0	238.00	NT	-	-
S4L101FF	2		2.8	267.50	NT	-	-
S4L101	94	135,360	3.2	15,839.91	435.18	-	-

	Ferrous Iron ppm	Total Iron ppm	Sulfate ppm	Hardness ppm
S4L101R	168.40	398.00	2,460	29.57
S4L101S	4.78	29.80	2,000	61.30
S4L101T	6.52	32.00	2,960	179.58
S4L101U	136.70	236.40	2,880	92.55
S4L101V	53.08	130.80	4,280	112.27
S4L101W	6.30	108.74	3,500	48.56
S4L101X	20.80	40.35	1,300	19.23
S4L101Y	24.70	58.73	2,150	35.46
S4L101Z	30.50	162.50	5,275	91.66
S4L101AA	80.00	380.00	4,275	63.41
S4L101BB	81.50	290.00	4,025	72.12
S4L101CC	161.00	422.50	2,075	58.30
S4L101DD	5.65	22.68	753	34.44
S4L101EE	14.98	39.38	473	21.06
S4L101FF	122.25	199.25	600	16.23
S4L101	1,079.62	3,023.61	45,595	1,159.30

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Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd	Ferrous Iron ppm	Total Iron ppm	Sulfate ppm	Hardness ppm
S5L2A	8		5.6	6.43	.44	NT	-	4.86	.29			455	NT
S5L2B	20		4.2	16.71	3.30	NT	-	.86	.24			523	NT
S5L2C	3		5.6	44.43	1.36	NT	-	8.86	.25			490	NT
S5L2D	31		5.1	27.29	9.85	NT	-	4.43	1.68			541	NT
S5L2E	20		4.7	14.71	3.19	NT	-	6.29	.76			561	NT
S5L2F	5		4.8	13.57	1.13	NT	-	1.86	.22			223	NT
S5L2	87	125,280	5.0	123.14	19.27	NT	-	27.16	3.44			2,303	NT
S5L4	49	70,560	4.9	14.57	9.01	NT	-	2.57	1.25			317	NT
S5L10	28	40,320	5.5	3.20	1.20	NT	-	3.2	1.17			46	NT
S6L15A	760		3.9	37.00	146.72	NT	-	-	-				-
S6L15B	4		3.2	892.00	32.79	NT	-	-	-				-
S6L15C	17		4.0	326.00	62.62	NT	-	-	-				-
S6L15D	4		3.3	200.00	10.00	NT	-	-	-				-
S6L15	785	1,130,400	3.6	1,455.00	252.13	NT	-	-	-				-
S5L2A	.51		.14	.99	.15								
S5L2B	2.94		.32	5.96	.92								
S5L2C	17.14		.55	20.50	.67								
S5L2D	9.39		2.97	16.74	4.41								
S5L2E	2.11		.41	10.97	3.50								
S5L2F	.10		.01	.11	.01								
S5L2	32.19		4.40	55.27	9.66								
S5L4	1.34		5.96	2.87	1.53								
S5L10	.24		.10	.47	.23								
S6L15A	3.00		8.87	5.52	16.73								
S6L15B	7.60		.30	43.90	1.79								
S6L15C	1.16		.19	2.86	.51								
S6L15D	.96		.05	1.12	.06								
S6L15	12.72		9.41	53.40	19.09								

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Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Hot Acidity ppm	Alkalinity ppm	Alkalinity ppd	Hardness ppm	Hardness ppd
S7L2B	4		10.1	--	NT	7,784.0	199.24	--	--
S7L2C	9		3.8	150.0	16.46	.8	.06	--	--
S7L2D	2		3.8	249.8	10.12	--	--	--	--
S7L2E	1		3.4	61.2	.94	--	--	--	--
S7L2F	1		5.1	23.4	.33	7.4	.09	--	--
S7L2G	11		8.7	--	--	374.0	41.54	--	--
S7L2	28	40,320	5.8	484.4	27.85	8,166.2	240.96	--	--
S7L7A	113		7.0	6.4	7.10	40.4	34.84	--	--
S7L7B	131		6.6	3.6	6.58	42.0	63.47	--	--
S7L7	244	351,360	6.8	10.0	13.68	82.4	98.31	--	--
S10L6A	25		3.8	43.8	8.47	--	--	--	--
S10L6B	3		3.8	157.2	5.04	--	--	--	--
S10L6C	37		3.6	374.0	274.25	--	--	--	--
S10L6	65	93,600	3.7	575.0	287.76	--	--	--	--
S7L2B	.18	.02	.18	.02	1,568	95.39	NT	NT	NT
S7L2C	.64	.08	1.15	.11	750	78.80	NT	NT	NT
S7L2D	1.34	.03	1.42	.03	738	29.33	NT	NT	NT
S7L2E	3.36	.06	15.34	.27	450	6.90	NT	NT	NT
S7L2F	1.24	.02	2.00	.03	354	5.00	NT	NT	NT
S7L2G	.34	.04	.40	.06	1,480	189.19	NT	NT	NT
S7L2	7.10	.25	20.49	.52	5,340	404.61	NT	NT	NT
S7L7A	2.22	3.40	11.66	33.43	278	342.52	NT	NT	NT
S7L7B	1.16	2.02	5.38	8.15	644	909.15	NT	NT	NT
S7L7	3.38	5.42	17.04	41.58	922	1,251.67	NT	NT	NT
S10L6A	1.64	.93	4.12	1.35	572	125.54	NT	NT	NT
S10L6B	.88	.03	1.72	.05	724	22.74	NT	NT	NT
S10L6C	.88	.61	1.08	1.02	920	661.31	NT	NT	NT
S10L6	3.40	1.57	6.92	2.42	2,216	809.59	NT	NT	NT

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S10L12	70	100,800	4.8	5.8	6.92	3.4	1.94
S10L13	2	2,880	2.9	100.0	4.33	-	-
S10L15D	23		6.3	2.0	1.94	5.2	2.34
S10L15E	9		4.6	2.6	.76	.2	.01
S10L15G	33		3.6	54.4	15.68	-	-
S10L15	65	93,600	4.8	59.0	18.38	5.4	2.35
S10L16A	77		5.0	7.4	5.81	5.6	.68
S10L16B	37		5.4	9.4	3.35	4.2	1.96
S10L16	114	164,160	5.2	16.8	9.16	9.8	2.64
S10L17A	80		7.2	11.4	16.02	106.0	128.71
S10L17B	37		7.3	8.8	7.16	92.0	74.47
S10L17C	7		7.8	6.8	.68	160.8	11.79
S10L17D	5		7.8	7.4	.45	108.0	7.11
S10L17E	38		7.4	9.2	3.54	121.6	44.19

	Ferrous Iron ppm	Total Iron ppm	Sulfate ppm	Hardness ppm
S10L12	.08	.08	15	NT
S10L13	.36	3.48	140	NT
S10L15D	.15	.23	14	NT
S10L15E	.06	.06	4	NT
S10L15G	.42	1.00	133	NT
S10L15	.63	1.29	150	NT
S10L16A	.62	1.24	67	NT
S10L16B	.24	.42	22	NT
S10L16	.86	1.66	28	NT
S10L17A	.36	.82	880	NT
S10L17B	.24	1.38	588	NT
S10L17C	.16	1.66	748	NT
S10L17D	1.36	9.30	806	NT
S10L17E	.30	.50	315.98	NT

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Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
S10L17F	18		7.5	7.2	1.29	NT	-	108.8	19.70
S10L17G	5		7.4	7.4	.43	NT	-	112.4	5.99
S10L17H	3		7.2	11.6	.89	NT	-	120.0	5.31
S10L17J	16		7.1	21.4	6.53	NT	-	186.0	45.68
S10L17K	9		7.8	8.0	.84	NT	-	228.0	24.18
S10L17L	15		7.7	5.4	1.84	NT	-	84.0	27.64
S10L17M	30		7.3	7.6	4.71	NT	-	82.0	54.84
S10L17N	37		7.3	9.2	6.76	NT	-	82.0	63.17
S10L17O	10		7.4	2.6	.41	NT	-	32.2	7.70
S10L17P	3		6.4	28.4	.51	NT	-	28.2	.61
S10L17Q	6		7.0	18.4	1.03	NT	-	138.0	8.42
S10L17R	16		6.7	48.2	7.72	NT	-	98.8	17.33
S10L17S	5		6.8	30.8	1.45	NT	-	114.0	6.42
S10L17AA	81		3.4	844.0	692.44	NT	-	-	-
S10L17BB	12		4.0	518.0	64.45	NT	-	-	-
S10L17CC	2		5.1	10.6	.20	NT	-	6.8	.12

	Ferrous Iron ppm	Ferrous Iron ppd	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
S10L17F	.20	.04	.22	.05	826	145.80	NT	-
S10L17G	.25	.01	.67	.04	786	40.05	NT	-
S10L17H	.12	-	.12	-	626	29.74	NT	-
S10L17J	.12	.03	.14	.04	796	196.45	NT	-
S10L17K	.20	.02	.30	.03	1,038	108.42	NT	-
S10L17L	.20	.09	1.22	.77	680	196.41	NT	-
S10L17M	.18	.13	.20	.15	700	419.02	NT	-
S10L17N	.24	.20	.30	.23	556	446.77	NT	-
S10L17O	.12	.03	.30	.05	252	54.35	NT	-
S10L17P	17.72	.23	56.76	.83	178	4.64	NT	-
S10L17Q	1.64	.07	2.26	.10	878	52.19	NT	-
S10L17R	1.40	.22	3.26	.58	932	166.79	NT	-
S10L17S	7.22	.28	21.00	1.13	944	55.10	NT	-
S10L17AA	3.48	2.64	6.92	4.65	3,100	2,623.04	NT	-
S10L17BB	.35	.05	.51	.09	2,500	308.43	NT	-
S10L17CC	.52	.01	1.04	.02	1,140	24.76	NT	-

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 WATER SAMPLING DATA  
 STRIP MINE AVERAGES

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Hot Acidity ppm	Alkalinity ppm	Hardness ppm
S10L17DD	14		4.1	376.00	NT		
S10L17EE	40		3.3	1,660.00	NT		
S10L17	489	704,160	6.6	3,658.40	NT	2,009.6	553.38
S10L20	10	14,400	5.2	14.20	NT	10.6	.43
S10L28B	21		3.4	37.40	NT		
S10L28C	35		3.8	26.40	NT		
S10L28E	43		3.3	84.94	NT		
S10L28	99	142,560	3.5	148.74	NT		
S10L36B	25		6.6	6.00	NT	33.8	5.53
S10L36C	20		4.1	37.00	NT		
S10L36D	7		4.3	53.60	NT		
S10L36	52	74,880	5.0	96.60	NT	34.0	5.55
Total-Iron							
Ferrous Iron ppm	ppd		pH	Cold Acidity ppm	Hot Acidity ppm	Alkalinity ppm	Hardness ppm
S10L17DD	1.00	.10		1.46	2,000	NT	
S10L17EE	6.14	2.31		35.90	4,340	NT	
S10L17	43.52	7.40		160.10	26,180	NT	
S10L20	.36	.02		.86	93	NT	
S10L28B	.22	.04		.45	152	NT	
S10L28C	.37	.07		1.11	174	NT	
S10L28E	.40	.16		1.44	224	NT	
S10L28	.99	.27		3.00	550	NT	
S10L36B	.26	.05		.98	180	NT	
S10L36C	4.20	.32		5.58	1,046	NT	
S10L36D	1.63	.06		2.97	1,016	NT	
S10L36	6.09	.43		9.53	2,242	NT	

NT = Not Taken

STONY CREEK WATERSHED (SL-179)  
 WATER SAMPLING DATA  
 STRIP MINE AVERAGES

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
S10L39A	3		5.1	37.6	.97	NT	-	14.2	.33
S10L39B	11		4.6	13.6	1.81	NT	-	2.0	.28
S10L39C	13		4.8	20.2	2.68	NT	-	5.0	.90
S10L39D	2		6.5	7.6	.14	NT	-	29.2	.46
S10L39E	13		4.6	34.6	5.65	NT	-	3.2	.65
S10L39F	231		7.2	10.0	23.67	NT	-	99.8	291.54
S10L39G	7		4.2	64.6	4.64	NT	-	-	-
S10L39	280	403,200	5.3	188.2	39.56	NT	-	153.4	294.16
S10L47A	111		3.6	242.0	271.68	NT	-	1.6	3.12
S10L47D	14		5.5	8.2	1.38	NT	-	6.2	1.01
S10L47E	1		6.3	39.2	.56	NT	-	27.4	.36
S10L47	126	181,440	5.1	289.4	273.62	NT	-	35.2	4.49

  

	Ferrous Iron ppm	Total Iron ppm	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
S10L39A	9.38	51.50	904	23.85	NT	-
S10L39B	.20	.78	488	383.15	NT	-
S10L39C	.84	6.04	617	68.49	NT	-
S10L39D	8.52	11.16	842	14.16	NT	-
S10L39E	.24	.48	1,200	241.36	NT	-
S10L39F	.10	.10	1,452	3,579.28	NT	-
S10L39G	.24	2.06	2,200	158.38	NT	-
S10L39	19.52	72.12	7,703	4,468.67	NT	-
S10L47A	1.24	6.32	752	812.15	NT	-
S10L47D	.36	.58	34	6.28	NT	-
S10L47E	23.00	33.00	105	1.36	NT	-
S10L47	24.60	39.90	891	819.79	NT	-

NT = Not Taken

STONY CREEK WATERSHED (SL-179)  
 WATER SAMPLING DATA  
 STRIP MINE AVERAGES

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd	Ferrous Iron ppm	Total Iron ppm	Sulfate ppm	Hardness ppm
S11L1A	40		7.0	30.20	10.98	185.20	65.35			125	NT
S11L1B	34		7.4	12.25	3.57	187.00	44.48			183	NT
S11L1	74	106,560	7.2	42.45	14.55	372.20	109.83			308	NT
S11L6A	24		3.4	407.14	101.06					2,531	2,500
S11L6B	35		4.8	169.43	67.55	53.14	28.06			1,744	2,300
S11L6C	38		6.3	12.71	5.11	22.29	7.78			305	400
S11L6	97	139,680	4.8	589.28	173.72	75.43	35.84			4,580	5,200
S11L7	5	7,200	5.6	2.50	.32	.75	.17			8	NT
S12L1	15	21,600	7.1	4.67	1.12	47.00	7.36			1,569	NT
S12L5A	17		3.4	245.00	49.07						
S12L5B	17		3.1	277.50	54.48						
S12L5C	1		3.4	227.50	3.40						
S12L5D	2		3.6	222.50	3.91						
S12L5	37	53,280	3.4	972.50	110.86						
S11L1A	2.05	.62	2.38	.74							
S11L1B	.78	.42	1.03	.44							
S11L1	2.83	1.04	3.41	1.18							
S11L6A	6.31	1.73	19.04	5.86							
S11L6B	15.50	6.73	44.29	20.33							
S11L6C	7.18	2.70	13.69	4.10							
S11L6	28.99	11.16	77.02	30.29							
S11L7	.10	.01	.01	.02							
S12L1	.73	.13	1.83	.33							
S12L5A	3.10	.57	9.85	1.66							
S12L5B	4.35	.76	24.38	4.63							
S12L5C	3.83	.05	9.58	.14							
S12L5D	2.53	.04	5.68	.09							
S12L5	13.81	1.42	49.49	6.52							

NT = Not Taken

STONY CREEK WATERSHED (SL-179)  
 WATER SAMPLING DATA  
 STRIP MINE AVERAGES

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
S13L10A	2		3.5	54.00	.86	NT	-	-	-
S13L10B	3		3.4	107.50	4.06	NT	-	-	-
S13L10C	151		3.0	295.71	354.28	500	3,925.00	-	-
S13L10	156	224,640	3.3	457.21	359.20	500	3,925.00	-	-
S13L14A	38		2.8	882.86	408.41	1,300	625.00	-	-
S13L14B	24		3.6	323.25	87.17	NT	-	-	-
S13L14C	20		3.4	91.00	9.18	NT	-	-	-
S13L14D	3		3.8	113.50	4.38	NT	-	-	-
S13L14E	6		4.5	104.75	7.64	NT	-	3.25	.20
S13L14	91	131,040	3.6	1,515.36	516.78	1,300	625.00	3.25	.20

  

Sta. No.	Ferrous Iron ppm	Total Iron ppm	Sulfate ppm	Hardness ppm
S13L10A	1.38	6.22	365	NT
S13L10B	17.08	38.50	483	NT
S13L10C	71.50	121.50	829	800
S13L10	89.96	166.22	1,676	800
S13L14A	59.04	244.62	1,564	1,200
S13L14B	37.00	118.00	588	NT
S13L14C	4.48	17.72	438	NT
S13L14D	76.25	207.50	815	NT
S13L14E	80.00	112.00	703	NT
S13L14	256.77	699.84	4,108	1,200

NT = Not Taken

STONY CREEK WATERSHED (SL-179)  
WATER SAMPLING DATA  
STRIP MINE AVERAGES

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Hot Acidity ppm	Alkalinity ppm	Alkalinity ppd
S1R15	23	33,120	5.0	25.60	NT	5.40	1.92
S4R16	13	18,720	5.3	6.86	NT	12.86	8.95
S4R57	25	36,000	4.2	18.50	NT	1.50	.02
S4R101A	202		5.5	6.14	2	3.71	6.03
S4R101B	8		6.3	17.71	-	29.86	1.28
S4R101	210	302,400	5.9	23.85	2	33.57	7.31
S4R119	396	570,240	4.3	15.71	19	1.00	1.77
S4R121	8	11,520	6.8	7.29	-	37.00	3.15
S4R122A	127		4.7	24.86	2	1.14	.29
S4R122B	61		4.6	9.70	NT	2.00	2.40
S4R122D	445		5.7	17.14	4	10.00	45.99
S4R122E	23		5.5	1.42	12	1.00	.03
S4R122	656	944,640	5.1	53.12	18	14.14	48.71

	Ferrous Iron ppm	Total Iron ppm	Sulfate ppm	Hardness ppm
S1R15	.22	.26	28	NT
S4R16	.13	.83	11	NT
S4R57	.20	.35	94	NT
S4R101A	.20	.58	126	40
S4R101B	5.71	37.14	86	400
S4R101	5.91	37.72	212	440
S4R119	.27	1.07	150	160
S4R121	1.17	14.60	398	500
S4R122A	.42	1.95	46	100
S4R122B	.45	.52	35	NT
S4R122D	1.64	4.23	75	500
S4R122E	.44	1.68	39	40
S4R122	2.95	8.28	17	17,339.00
			46.11	86.54

STONY CREEK WATERSHED (SL-179)  
 WATER SAMPLING DATA  
 STRIP MINE AVERAGES

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Hot Acidity ppm	Alkalinity ppm	Alkalinity ppd
S4R126B	168		6.6	18.43	24	95.00	89.22
S4R126C	19		6.8	11.50	NT	74.67	15.39
S4R126	187	269,280	6.7	29.93	24	169.67	104.61
S4R132	62	89,280	6.2	4.00	2	11.88	9.43
S7R9	82	118,080	3.8	384.00	1,000	10.13	19.72
S7R11A	26		6.4	8.25	NT	14.25	13.07
S7R11B	12		4.7	96.75	NT	10.25	.16
S7R11C	17		4.3	68.75	NT	7.50	1.06
S7R11D	24		3.3	123.25	NT	--	--
S7R11E	184		4.5	19.00	NT	1.50	4.15
S7R11	263	378,720	4.6	316.00	NT	33.50	18.44
S7R19A	3		5.3	12.00	NT	6.75	.24
S7R19B	55		6.5	4.75	NT	7.31	10.75

  

	Ferrous Iron ppm	ppd	Total Iron ppm	ppd	Sulfate ppm	ppd	Hardness ppm	ppd
S4R126B	13.01	16.21	22.14	28.52	48	148.58	140	1,099.00
S4R126C	6.20	1.21	8.65	1.76	13	3.48	NT	--
S4R126	19.21	17.42	30.79	30.28	61	152.06	140	1,099.00
S4R132	.32	.13	1.42	.76	17	12.25	200	271.65
S7R9	17.08	12.82	61.35	56.55	1,216	1,027.56	700	799.30
S7R11A	1.40	.80	1.56	.81	165	79.54	NT	--
S7R11B	6.90	.85	27.13	5.71	415	86.12	NT	--
S7R11C	22.00	4.18	33.50	6.25	328	62.90	NT	--
S7R11D	1.93	.51	16.08	5.83	265	93.06	NT	--
S7R11E	1.53	3.98	5.13	8.75	123	284.54	NT	--
S7R11	33.76	10.32	83.37	27.35	1,296	606.16	NT	--
S7R19A	.83	.10	.98	.04	173	6.22	NT	--
S7R19B	.21	.09	.23	.12	116	66.74	NT	--

NT = Not Taken



STONY CREEK WATERSHED (SL-179)  
 WATER SAMPLING DATA  
 STRIP MINE AVERAGES

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Hot Acidity ppm	Alkalinity ppm
S7R19F	1		6.4	16.5	NT	38.25
S7R19	59	84,560	6.1	33.25	NT	52.31
S7R20D	51		5.8	9.50	NT	12.50
S7R20F	23		4.9	10.75	NT	3.25
S7R20	74	106,560	5.4	20.25	NT	15.75
S7R26A	3		5.9	49.00	NT	30.50
S7R26B	2		5.6	55.75	NT	48.50
S7R26C	7		4.6	12.00	NT	2.25
S7R26D	1		5.0	10.00	NT	2.75
S7R26E	4		5.1	8.00	NT	7.25
S7R26	17	24,480	5.2	134.75	NT	91.25
S7R28A	459		6.8	8.75	NT	31.50
S7R28B	11		5.5	7.50	NT	5.75
S7R28	470	676,800	6.2	16.25	NT	37.25

	Ferrous Iron ppm	Total Iron ppm	Sulfate ppm	Hardness ppm
S7R19F	20.18	31.05	78	NT
S7R19	21.22	32.26	367	NT
S7R20D	.20	.28	155	NT
S7R20F	.33	.46	118	NT
S7R20	.53	.74	273	NT
S7R26A	9.85	39.00	250	NT
S7R26B	20.75	36.00	185	NT
S7R26C	.21	.21	50	NT
S7R26D	12.08	12.25	23	NT
S7R26E	.93	1.13	20	NT
S7R26	43.82	88.59	528	NT
S7R28A	.23	.23	91	NT
S7R28B	.50	.70	106	NT
S7R28	.73	.93	1	NT

NT = Not Taken

STONY CREEK WATERSHED (SL-179)  
 WATER SAMPLING DATA  
 STRIP MINE AVERAGES

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Hot Acidity ppm	Alkalinity ppm	Alkalinity ppd
S7R32A	1		5.7	26.00	NT	10.00	.12
S7R32B	1		6.5	36.00	NT	106.00	1.27
S7R32C	1		6.8	19.00	NT	105.50	1.27
S7R32D	1		6.6	40.75	NT	94.75	1.38
S7R32E	3		6.4	28.50	NT	59.50	1.88
S7R32F	2		5.9	36.25	NT	26.50	.64
S7R32G	2		6.2	34.50	NT	46.75	.88
S7R32H	87		6.4	30.25	NT	67.75	17.86
S7R32J	6		5.6	13.25	NT	12.75	.83
S7R32K	56		6.5	7.00	NT	19.25	15.68
S7R32L	2		6.5	30.75	NT	60.50	1.05
S7R32M	106		6.6	6.50	NT	15.75	15.51
S7R32	268	385,920	6.3	308.75	NT	625.00	58.37
S7R40A	96		6.6	36.60	NT	163.50	180.43
S7R40B	9		3.7	170.00	NT	-	-

	Ferrous Iron ppm	Total Iron ppm	Sulfate ppm	Hardness ppm
S7R32A	15.38	42.43	117	NT
S7R32B	74.85	88.25	56	NT
S7R32C	12.53	89.70	108	NT
S7R32D	12.10	80.50	188	NT
S7R32E	13.03	38.53	178	NT
S7R32F	40.00	57.75	135	NT
S7R32G	83.75	85.50	80	NT
S7R32H	100.38	112.38	81	NT
S7R32J	2.73	4.00	104	NT
S7R32K	.60	1.50	102	NT
S7R32L	37.00	62.25	208	NT
S7R32M	.29	.31	155	NT
S7R32	392.64	663.10	1,512	NT
S7R40A	1.12	33.72	1,340	NT
S7R40B	.60	1.05	2,075	NT
NT = Not Taken				

STONY CREEK WATERSHED (SL-179)  
 WATER SAMPLING DATA  
 STRIP MINE AVERAGES

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Hot Acidity ppm	Sulfate ppm	Total Iron ppm	Ferrous Iron ppm	Hardness ppm	Alkalinity ppm
S7R40C	21		6.5	2.50	NT	18	.26	.11	NT	5.25
S7R40	126	181,440	5.6	209.10	NT	3,433	35.03	1.83	NT	168.75
S8R1A	33		3.3	188.00	700	1,013	31.54	6.14	1,500	-
S8R1B	11		3.2	158.00	NT	940	38.80	23.40	NT	-
S8R1C	16		3.2	260.00	NT	1,620	66.00	25.60	NT	-
S8R1	60	86,400	3.2	606.00	700	3,573	136.34	55.14	1,500	-
S9R7A	9		4.4	16.75	NT	178	11.40	5.00	NT	1.50
S9R7B	17		5.4	6.50	NT	101	.18	.15	NT	1.75
S9R7C	2		4.9	9.75	NT	46	.13	.10	NT	2.25
S9R7D	5		5.6	18.00	NT	62	1.44	.45	NT	10.00
S9R7E	10		5.8	17.25	NT	65	5.33	1.08	NT	41.50
S9R7	43	61,920	5.2	68.25	NT	452	18.48	6.78	1,500	57.00
S7R40C										
S7R40										
S8R1A										
S8R1B										
S8R1C										
S8R1										
S9R7A										
S9R7B										
S9R7C										
S9R7D										
S9R7E										
S9R7										

NT = Not Taken

STONY CREEK WATERSHED (SL-179)  
WATER SAMPLING DATA  
STRIP MINE AVERAGES

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd	Hardness ppm	Hardness ppd
S9R17A	36		4.5	23.00	10.80	NT	-	1.50	.15	-	-
S9R17B	2		6.0	11.00	2.62	NT	-	21.50	.27	-	-
S9R17C	46		4.2	22.00	6.74	NT	-	1.00	.19	-	-
S9R17	84	120,960	4.9	56.00	20.16	NT	-	24.00	.61	-	-
S9R31	14	20,160	6.7	25.75	1.48	NT	-	49.50	4.63	-	-
S11R1A	1		5.7	135.75	1.61	NT	-	77.50	.93	-	-
S11R1B	2		6.2	84.00	1.70	NT	-	73.25	1.29	-	-
S11R1	3	4,320	6.0	219.75	3.31	NT	-	150.75	2.22	-	-
				Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd				
S9R17A	1.40		.20	3.65	.42	96	40.73	NT	-	NT	-
S9R17B	83.08		1.00	122.58	1.47	70	.89	NT	-	NT	-
S9R17C	.15		.06	.15	.06	173	83.84	NT	-	NT	-
S9R17	84.63		1.26	156.38	1.95	339	125.46	NT	-	NT	-
S9R31	.25		.04	.28	.06	235	38.59	NT	-	NT	-
S11R1A	34.50		.42	146.00	1.76	723	8.68	NT	-	NT	-
S11R1B	32.35		.55	102.00	3.08	165	3.19	NT	-	NT	-
S11R1	66.85		.97	248.00	4.84	888	11.87	NT	-	NT	-

NT = Not Taken