APPENDIX I –
WATER SAMPLING DATA –
DEEP MINES

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

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
M1L3A	2		4.2	44.00	.67	435.00	5.00	12.00	.14
M1L3C	568		4.1	44.00	319.00	39.00	85.00	-	-
M1L3D	562		3.7	78.56	495.81	93.67	401.71	-	-
M1L3	1,132	1,630,080	4.0	166.56	815.48	567.67	491.17	12.00	.14
M1L4A	11		3.9	41.00	5.33	129.30	33.82	-	-
M1L4B	16		4.0	48.00	9.03	46.00	7.17	-	-
M1L4	27	38,880	4.0	89.00	14.36	175.30	40.99	-	-
M1L5	14	20,160	4.2	20.43	2.97	65.00	5.65	.33	.03
M1L6	38	54,720	4.8	18.86	7.49	16.50	4.95	2.89	1.27
M1L7	390	561,600	3.5	138.00	534.00	188.00	1,168.00	-	-
M1L9	4	5,760	6.2	80.00	2.94	85.00	1.88	61.00	2.22

	Ferrous Iron ppm	Ferrous Iron ppd	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
M1L3A	9.00	.11	63.00	.76	246	3.44	444	4.15
M1L3C	.07	.64	.84	4.15	230	1,364.00	236	1,024.00
M1L3D	.10	.65	1.49	7.68	249	1,283.00	344	1,527.00
M1L3	9.17	1.40	65.33	12.59	725	2,650.44	1,024	2,555.17
M1L4A	.10	.01	.71	.09	265	32.80	288	34.87
M1L4B	.08	.02	.47	.08	261	43.00	285	46.00
M1L4	.18	.03	1.18	.17	526	75.80	373	80.87
M1L5	.21	.03	1.79	.14	170	25.52	350	39.63
M1L6	.27	.09	2.15	.44	122	41.90	158	45.23
M1L7	.50	2.28	9.82	54.00	582	2,594.00	759	3,610.00
M1L9	29.00	.89	735.00	19.00	198	6.41	230	6.52

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

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
M1L12	425	612,000	3.0	323.00	1,787.00	653.00	1,267.00	-	-
M1L14A	311		5.8	38.00	206.00	-	-	23.00	79.00
M1L14B	57		6.5	40.00	23.78	-	-	83.00	45.58
M1L14	368	529,920	6.2	78.00	229.78	-	-	106.00	124.58
M1L15	25	36,000	6.4	17.80	4.44	-	-	36.86	10.77
M1L17	1	1,440	6.8	12.00	.07	NT	-	48.50	.29
M1L25	42	60,480	5.4	19.50	8.33	NT	-	10.33	6.52
M1L27	12	17,280	6.7	5.00	.66	NT	-	25.25	3.75
M1L28	3	4,320	3.3	85.00	2.93	NT	-	-	-
M2L1	2	2,880	7.3	10.50	.22	NT	-	57.16	1.28

	Ferrous Iron ppm	Ferrous Iron ppd	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
M1L12	3.03	22.35	74.00	267.00	721	5,181.00	685	2,948.00
M1L14A	.17	.88	.71	2.25	480	2,238.00	472	2,187.00
M1L14B	.09	.07	.70	2.48	179	293.00	268	69.00
M1L14	.26	.95	1.41	4.73	659	2,531.00	740	2,256.00
M1L15	.11	.03	.16	.04	18	5.10	130	20.50
M1L17	.07	-	.13	-	32	.20	90	.54
M1L25	.23	.09	.73	.29	113	47.67	NT	-
M1L27	.15	.02	.33	.04	24	3.54	NT	-
M1L28	25.58	.92	32.50	1.16	292	9.96	NT	-
M2L1	.08	-	.37	.01	63	1.29	130	130.00

NT = Not Taken

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

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
M2L2	289	416,160	3.2	227.00	889.00	203.00	245.00	-	-
M2L3A	8		6.8	22.66	1.83	NT	-	47.16	2.90
M2L3B	10		7.8	9.66	1.35	NT	-	127.73	14.29
M2L3	18	25,920	7.3	32.32	3.18	NT	-	174.89	17.19
M2L5	2	2,880	4.5	40.11	.75	123.30	1.48	29.17	.35
M2L14	117	168,480	3.5	59.71	95.36	97.50	72.79	-	-
M2L16	2	2,880	6.2	2.20	.10	NT	-	2.40	.15
M2L22	59	84,960	6.9	10.16	10.73	NT	-	60.16	42.91
M2L23	1	1,440	4.9	14.14	.18	301.50	3.62	4.67	.06
M3L1A	2		6.5	6.66	.22	NT	-	17.33	.60
M3L1B	4		7.1	9.00	.27	NT	-	103.40	2.43
M3L1	6	8,640	6.8	15.66	.49	NT	-	120.73	3.03

	Ferrous Iron ppm	Ferrous Iron ppd	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
M2L2	.53	1.70	18.23	46.35	360	1,201.00	439	1,209.00
M2L3A	.09	.01	.39	.16	105	5.91	162	9.77
M2L3B	.12	.33	.21	.02	337	37.64	599	63.11
M2L3	.21	.34	.60	.18	442	43.55	762	72.88
M2L5	31.32	.38	236.99	2.85	703	9.60	278	4.13
M2L14	.53	.80	4.91	4.79	379	519.09	472	347.09
M2L16	.03	-	.10	.01	10	.58	8	.60
M2L22	.05	.09	.13	.18	22	16.15	74	32.27
M2L23	22.02	.26	56.70	.68	248	3.15	950	11.42
M3L1A	.06	-	.10	.01	22	.37	26	.94
M3L1B	.04	-	.21	.01	181	3.52	204	5.81
M3L1	.10	-	.31	.02	202	3.89	230	6.75

NT=Not Taken

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

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
M3L2A	5		4.1	65.66	6.38	5.33	.19	2.08	.20
M3L2B	14		6.4	8.22	.45	.33	.13	8.17	1.71
M3L2	19	27,360	5.3	73.88	6.83	5.66	.32	10.25	1.91
M3L4	7	10,080	3.2	190.00	17.60	156.00	6.56	-	-
M3L9	61	87,840	2.8	424.00	416.00	300.00	209.10	-	-
M3L19	2	2,880	3.2	135.00	1.68	53.00	4.48	-	-
M3L20	20	28,800	3.2	91.00	15.07	30.00	40.70	-	-
M3L30	163	234,720	2.9	255.71	548.89	383.00	469.70	-	-
M4L5	195	280,800	3.0	520.00	1,402.00	960.00	934.00	-	-
M4L13A	2		2.9	1,987.00	44.61	2,650.00	38.24	-	-
M4L13B	17		2.8	1,805.00	257.00	4,234.00	1,553.00	-	-
M4L13	19	27,360	2.9	3,792.00	301.61	6,884.00	1,591.24	-	-

	Ferrous Iron ppm	Ferrous Iron ppd	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
M3L2A	.13	.01	5.84	.50	386	32.98	332	27.58
M3L2B	.06	.01	.16	.04	15	3.17	35	7.45
M3L2	.19	.02	6.00	.54	401	36.15	367	35.03
M3L4	2.45	.18	17.84	1.40	291	22.59	358	28.32
M3L9	2.45	2.97	103.00	110.00	607	566.00	274	256.30
M3L19	1.83	.07	15.98	.54	220	7.38	116	4.95
M3L20	.37	.04	4.48	1.13	133	41.53	100	61.72
M3L30	1.92	4.62	68.33	102.90	606	1,146.03	550	641.80
M4L5	4.71	16.80	121.00	267.31	630	1,542.00	423	558.00
M4L13A	99.09	.85	273.00	5.47	6,246	128.71	4,966	103.63
M4L13B	88.81	8.94	631.80	110.93	2,739	531.00	948	190.60
M4L13	187.90	9.79	904.80	116.40	8,985	659.71	5,914	294.23

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

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
M4L15	35	50,400	3.1	1,524.00	574.00	2,567.00	612.00	-	-
M4L40A	2		2.9	777.14	20.42	925.00	16.22	-	-
M4L40B	2		2.8	412.86	9.93	725.00	17.40	-	-
M4L40C	3		3.0	1,463.86	45.81	1,285.00	25.60	-	-
M4L40D	10		3.0	790.86	101.23	700.00	44.70	-	-
M4L40	17	24,480	3.0	3,444.73	177.39	3,635.00	103.92	-	-
M4L41A	12		3.0	650.29	88.91	1,580.00	212.80	-	-
M4L41B	5		4.7	5.25	.33	NT	-	4	.36
M4L41	17	24,480	3.9	655.54	89.24	1,580.00	212.80	4	.36
M5L3A	30		3.6	166.00	76.88	132.00	8.77	-	-
M5L3B	60		2.9	1,129.00	863.00	2,830.00	1,030.00	-	-
M5L3	90	129,600	3.3	1,295.00	939.88	2,962.00	1,038.77	-	-

	Ferrous Iron ppm	Ferrous Iron ppd	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
M4L15	100.30	36.49	261.00	82.98	3,871	1,323.00	2,898	886.00
M4L40A	120.33	2.84	356.89	8.60	1,452	35.71	1,100	18.02
M4L40B	47.89	1.15	181.89	4.37	1,102	26.49	900	21.60
M4L40C	316.80	9.07	664.22	16.95	2,690	73.76	1,100	18.62
M4L40D	194.31	22.71	332.00	36.59	1,380	163.26	1,150	76.23
M4L40	679.33	35.77	1,535.00	66.51	6,624	299.22	4,250	134.47
M4L41A	123.33	16.65	284.00	39.41	1,137	155.84	1,000	139.30
M4L41B	.26	.01	.64	.02	13	1.02	NT	-
M4L41	123.59	16.66	284.64	39.43	1,150	156.86	1,000	139.30
M5L3A	.66	.30	9.95	3.30	644	190.85	744	214.94
M5L3B	6.92	4.19	288.00	121.47	2,189	1,367.00	1,140	409.04
M5L3	7.58	4.49	297.95	124.77	2,833	1,557.85	1,884	623.98

NT = Not Taken

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

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
M5L5A	29		3.4	117.00	45.68	150.00	22.69	-	-
M5L5B	6		3.2	259.56	18.26	150.00	6.73	-	-
M5L5	35	50,400	3.3	376.56	63.94	300.00	29.42	-	-
M5L7	2	2,880	3.9	40.22	.69	26.67	.64	.17	-
M5L9A	4		3.8	82.66	2.72	231.33	5.94	4.16	.60
M5L9B	2		3.5	58.44	.48	50.00	.60	.17	.04
M5L9	6	8,640	3.7	141.10	3.20	281.33	6.54	4.33	.64
M5L11	75	108,000	3.1	249.67	243.65	320.33	169.15	-	-
M5L12	1	1,440	7.4	12.80	.24	NT	-	62.60	1.36
M5L13	5	7,200	6.1	24.56	1.15	128.33	1.56	18.83	1.34
M5L17	45	64,800	3.3	190.30	97.13	227.67	51.58	-	-

	Ferrous Iron ppm	Ferrous Iron ppd	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
M5L5A	1.93	.77	9.80	2.92	348	116.79	479	138.03
M5L5B	15.12	1.07	97.46	10.00	413	28.23	354	24.22
M5L5	17.05	1.84	107.26	12.92	761	135.02	833	162.25
M5L7	.10	-	.63	-	53	.97	42	.86
M5L9A	.28	.01	3.41	.10	222	7.67	272	8.64
M5L9B	.14	-	1.03	.02	99	1.97	116	.82
M5L9	.42	.01	4.44	.12	321	9.64	388	9.46
M5L11	2.27	2.47	33.76	25.23	615	519.44	697	610.63
M5L12	.10	-	.88	.01	43	.71	108	2.70
M5L13	1.25	-	33.60	.51	234	12.51	249	12.82
M5L17	.75	.56	8.58	4.86	1,179	636.54	1,432	749.85

NT = Not Taken

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

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
M5L20	12	17,280	3.0	226.44	43.63	46.67	11.76	-	-
M5L25	6	8,640	2.9	343.89	30.50	96.67	3.48	-	-
M5L27	11	15,840	6.7	10.20	.96	NT	-	9.14	1.38
M5L29A	35		3.4	135.89	69.28	171.33	25.97	-	-
M5L29B	62		3.4	153.11	121.67	145.67	74.04	-	-
M5L29	97	139,680	3.4	289.00	190.95	317.00	100.01	-	-
M5L30A	3		6.6	12.80	.43	NT	-	36.80	.93
M5L30B	1		7.4	15.20	.09	NT	-	32.33	.22
M5L30	4	5,760	7.0	28.00	.52	NT	-	69.13	1.15
M5L32	72	103,680	3.6	32.29	40.48	4.70	1.18	-	-
M6L4A	58		2.9	298.67	220.39	610.00	103.90	-	-
M6L4D	6		3.3	75.89	6.95	23.33	.56	-	-
M6L4	64	92,160	3.1	374.56	227.34	633.33	104.46	-	-

	Ferrous Iron ppm	Ferrous Iron ppd	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
M5L20	4.78	1.29	35.95	9.38	693	141.31	716	127.53
M5L25	3.35	1.20	60.24	11.19	653	67.54	657	56.08
M5L27	.09	.01	.31	.04	19	2.44	73	11.13
M5L29A	.36	.27	2.69	1.07	1,028	427.56	1,302	419.69
M5L29B	.59	.48	4.99	3.48	1,005	750.26	1,270	889.00
M5L29	.95	.75	7.68	4.55	2,033	1,177.82	2,572	1,308.69
M5L30A	.05	-	1.91	-	70	1.62	160	4.64
M5L30B	.23	-	2.95	-	97	.71	132	.94
M5L30	.28	-	4.86	-	167	2.33	292	5.58
M5L32	.05	.04	.48	.33	63	48.31	42	49.21
M6L4A	3.48	4.93	82.93	39.14	512	246.09	372	157.57
M6L4D	.12	.01	3.12	.27	141	13.30	84	2.56
M6L4	3.60	4.94	86.05	39.41	653	259.39	456	160.13

NT = Not Taken

STONY CREEK WATERSHED (SL-179)
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DEEP MINE AVERAGES

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
M6L5A	11		2.8	646.67	67.93	826.67	81.79	-	-
M6L5C	3		2.7	707.78	20.74	776.67	16.46	-	-
M6L5	14	20,160	2.8	1,354.45	88.67	1,603.34	98.25	-	-
M6L8	117	168,480	3.1	98.33	90.76	116.70	339.17	-	-
M6L12	2	2,880	5.9	10.00	.48	13.33	.32	8.08	.24
M6L18	3	4,320	4.3	17.00	1.69	9.33	.11	.25	.04
M6L21	3	4,320	6.0	31.33	8.79	86.67	3.13	24.42	.78
M6L22	2	2,880	5.4	12.44	.20	1.00	.06	6.33	.17
M7L1	1	1,440	3.0	261.11	2.32	540.00	6.49	-	-
M10L10	10	14,400	7.0	15.60	1.76	NT	-	54.00	6.28
M10L11	21	30,240	4.8	9.67	3.71	2.00	.12	2.00	.59

	Ferrous Iron ppm	Ferrous Iron ppd	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
M6L5A	21.52	1.82	260.17	182.23	882	92.78	582	46.94
M6L5C	10.17	.37	283.92	7.68	1,080	29.05	746	18.56
M6L5	31.69	2.19	544.09	189.91	1,962	111.83	1,328	65.50
M6L8	.42	.68	17.83	27.19	485	602.89	478	703.21
M6L12	.06	-	1.34	.03	11	.33	21	.50
M6L18	.02	-	.23	.02	85	9.42	98	10.39
M6L21	.72	.03	55.92	2.44	41	1.35	56	1.86
M6L22	.14	-	.87	.02	11	.19	11	.23
M7L1	9.06	.08	105.00	1.08	938	9.54	959	9.24
M10L10	.07	.01	.70	.06	153	18.58	210	24.90
M10L11	.06	.01	.20	.06	10	3.83	7	3.70

NT = Not Taken

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

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
M10L34	94	135,360	6.6	58.00	59.10	-	-	190.00	213.21
M10L55	74	106,560	3.4	129.67	131.99	806.67	340.17	-	-
M10L58	4	5,760	6.4	14.78	1.07	-	-	26.58	2.07
M10L59	19	27,360	6.4	6.20	1.05	NT	-	9.60	1.37
M10L61	53	76,320	2.9	1,192.00	769.27	1,557.00	856.50	-	-
M10L62	20	28,800	6.4	32.20	8.18	NT	-	34.00	7.76
M12L2	34	48,960	4.3	172.00	72.03	416.67	147.67	3.11	.98
M13L4	12	17,280	4.9	14.44	2.21	7.00	.35	2.89	.57
M13L7	240	345,600	3.2	425.67	1,333.00	424.67	732.09	-	-
M13L12	6	8,640	5.1	15.33	.89	5.00	1.40	3.67	.22

	Ferrous Iron ppm	Ferrous Iron ppd	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
M10L34	2.94	3.60	25.85	29.21	986	1,100.00	1,232	1,269.00
M10L55	3.79	3.49	23.64	18.68	1,491	1,382.00	1,887	1,700.00
M10L58	.19	.10	1.49	.22	11	.67	40	1.43
M10L59	.04	.01	.17	.05	17	3.58	34	5.86
M10L61	39.15	12.82	270.42	168.27	1,804	1,221.00	1,324	796.70
M10L62	.09	-	2.08	.70	20	4.76	93	18.90
M12L2	50.66	35.71	90.09	42.59	939	381.55	1,098	413.89
M13L4	.07	.01	.65	.04	12	1.75	11	1.05
M13L7	75.58	211.86	238.50	605.93	740	2,062.00	875	1,855.00
M13L12	.11	-	1.33	.05	66	6.18	83	7.97

NT = Not Taken

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

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
M1R4	2	2,880	7.1	18.25	.22	NT	-	81.50	1.13
M1R5	9	12,960	6.1	8.56	1.64	-	-	14.17	.90
M1R6A	2		6.9	15.00	.20	NT	-	71.40	.99
M1R6B	44		7.3	14.40	7.10	NT	-	74.40	39.76
M1R6	46	66,240	7.1	29.40	7.30	NT	-	145.80	40.75
M1R9	16	23,040	6.4	14.00	2.29	NT	-	29.20	4.74
M1R12	34	48,960	3.3	228.44	96.79	450.00	91.55	-	-
M1R14	29	41,760	3.5	185.56	39.10	566.67	149.04	-	-
M1R16	4	5,760	7.0	12.00	.81	NT	-	29.00	1.67
M1R17A	2		3.8	286.67	5.61	477.00	5.73	.08	-
M1R17B	16		3.2	168.44	35.39	457.00	46.47	-	-
M1R17	18	25,920	3.5	455.11	41.00	934.00	52.20	.08	-

	Ferrous Iron ppm	Ferrous Iron ppd	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
M1R4	.08	-	.45	-	36	.58	98	1.49
M1R5	.26	.03	2.68	.31	48	3.71	74	7.44
M1R6A	.07	-	.32	-	29	.46	118	1.67
M1R6B	.09	.05	4.18	2.26	120	62.21	210	112.94
M1R6	.16	.05	4.50	2.26	149	62.67	328	114.61
M1R9	.09	.01	1.51	.16	35	5.66	71	12.38
M1R12	13.96	2.71	134.45	63.44	797	485.00	805	352.57
M1R14	2.53	.67	105.76	40.18	511	147.87	444	102.43
M1R16	.04	-	3.32	.15	28	1.89	43	3.02
M1R17A	37.14	.48	121.38	1.77	1,113	17.36	1,291	15.51
M1R17B	12.25	.26	38.21	6.15	432	63.56	371	64.37
M1R17	49.39	.74	159.59	7.92	1,545	80.92	1,662	79.88

NT Not Taken

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

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
M1R18	5	7,200	3.7	46.33	4.19	160.00	4.09	.33	.04
M1R19	1	1,440	3.2	130.00	1.88	242.00	2.90	-	-
M1R20	2	2,880	3.1	187.00	2.61	265.00	4.09	-	-
M1R22	13	18,720	6.6	28.67	7.55	NT	-	43.33	10.85
M1R28	6	8,640	7.0	14.20	.94	NT	-	66.00	3.62
M1R31	2	2,880	7.5	7.67	1.19	NT	-	81.33	8.52
M1R37	2	2,880	5.4	6.78	.13	27.00	.96	2.08	.05
M1R38	13	18,720	6.8	10.50	1.73	NT	-	19.50	2.74
M1R40	4	5,760	5.1	24.33	1.03	133.00	2.01	5.89	.27
M1R41	5	7,200	3.2	87.71	3.89	92.00	3.33	-	-

	Ferrous Iron ppm	Ferrous Iron ppd	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
M1R18	3.61	.07	35.81	1.01	180	11.40	220	7.04
M1R19	.70	-	34.93	.46	430	5.86	397	5.35
M1R20	1.05	.02	28.10	.35	366	5.37	322	4.97
M1R22	.08	.02	.19	.05	234	58.54	174	45.76
M1R28	.24	-	1.65	.12	22	1.41	86	5.13
M1R31	.08	-	.29	.03	26	2.90	92	12.11
M1R37	.46	.01	1.71	.05	71	2.04	104	2.82
M1R38	.05	.01	.12	.05	36	5.19	34	5.18
M1R40	.33	.01	22.85	.33	206	6.45	276	8.02
M1R41	11.35	.48	27.72	1.36	335	16.13	450	30.05

NT = Not Taken

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

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
M1R45A	7		5.8	6.50	.54	NT	-	5.00	.57
M1R45B	7		6.7	3.75	.30	NT	-	19.00	1.48
M1R45C	24		6.8	6.00	2.34	NT	-	25.50	5.96
M1R45	38	54,720	6.4	16.25	3.18	NT	-	49.50	8.01
M1R47	20	28,800	5.9	4.80	1.54	NT	-	5.60	2.26
M2R1A	29		6.6	5.40	1.52	NT	-	32.00	4.86
M2R1C	17		6.3	6.00	1.20	NT	-	13.40	2.68
M2R1	46	66,240	6.5	11.40	2.72	NT	-	45.40	7.54
BH3R18	1,417	2,040,480	6.5	30.38	455.34	-	-	88.00	1,500.00
M3R3	15	21,600	6.5	14.40	1.32	NT	-	22.60	1.29
M3R4	828	1,192,320	6.4	25.33	277.10	NT	-	29.17	288.00

	Ferrous Iron ppm	Ferrous Iron ppd	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
M1R45A	.55	.08	.68	.08	40	3.82	NT	-
M1R45B	.55	.04	.06	.05	217	18.10	NT	-
M1R45C	.35	.07	.40	.07	36	13.59	NT	-
M1R45	1.45	.19	1.14	.20	293	35.51	NT	-
M1R47	.10	.02	.10	.02	19	7.40	NT	-
M2R1A	.22	.04	.30	.04	62	23.41	NT	-
M2R1C	.18	.03	.18	.03	89	13.65	NT	-
M2R1	.40	.07	.48	.07	151	37.46	NT	-
BH3R18	.11	1.92	1.76	35.97	96	1,643.00	214	3,709.0
M3R3	.31	.03	2.65	.08	222	7.80	194	10.5
M3R4	.08	.79	.47	4.47	326	3,152.00	452	4,474.0

NT = Not Taken

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

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppm	Alkalinity ppm	Alkalinity ppd
M3R5A	6		5.6	3.22	.80	2	.03	3.44	.52
M3R5B	9		5.6	2.22	,56	4	1.24	1.33	.39
M3R5D	1		5.1	4.00	.05	3	.03	1.00	.01
M3R5	16	23,040	5.4	9.44	1.41	9	1.30	5.77	.92
M3R9A	441		6.5	52.25	244.55	NT	-	124.00	634.40
M3R9B	144		6.8	11.00	22.30	NT	-	37.75	76.78
M3R9C	373		6.6	64.00	279.20	NT	-	97.00	446.54
M3R9	958	1,379,520	6.6	127.25	546.05	NT	-	258.75	1,157.74
M3R11	20	28,800	6.2	20.11	7.65	-	-	14.08	6.07
M3R13	2	2,880	7.2	11.00	.15	NT	-	78.40	.76
M3R22	31	44,640	3.9	61.33	24.01	25	4.81	-	-
M3R30	141	203,040	6.9	42.60	64.50	NT	-	161.80	259.00
M3R41	13	18,720	6.4	4.60	.56	NT	-	9.60	1.43

	Ferrous Iron ppm	Ferrous Iron ppm	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
M3R5A	.05	.01	.33	.03	13	2.58	39	1.86
M3R5B	.03	-	.09	.02	8	2.31	73	23.65
M3R5D	.03	-	.13	-	11	.13	33	.43
M3R5	.11	.01	.55	.05	32	5.02	145	25.94
M3R9A	.07	.35	1.19	4.83	145	639.60	301	1,633.00
M3R9B	.06	.14	.23	.62	132	269.70	166	335.70
M3R9C	.11	.46	2.83	10.76	142	610.26	279	1,273.00
M3R9	.24	.95	4.25	16.21	419	1,519.56	746	3,241.70
M3R11	.05	.02	.11	.05	24	10.96	53	21.68
M3R13	.26	-	2.71	-	36	.51	103	1.11
M3R22	.10	.04	4.07	1.10	246	86.42	230	83.94
M3R30	.06	.09	.35	.51	90	139.86	319	513.76
M3R41	.36	.13	.40	.13	45	4.39	NT	-

NT = Not Taken

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

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
M4R3	4	5,760	5.7	11.78	.91	-	-	13.75	1.16
M4R15A	50		3.4	103.30	69.28	71.30	23.60	-	-
M4R15C	47		3.8	54.80	25.90	34.70	7.41	-	-
M4R15	97	139,680	3.6	158.10	95.18	106.00	31.01	-	-
M4R19	3	4,320	5.5	11.00	.36	-	-	2.80	.09
M4R21	106	152,640	5.3	16.40	14.52	14.70	94.70	9.50	2.97
M4R22	50	72,000	6.1	35.40	20.73	2.00	.29	36.08	22.60
M4R29B	322		3.0	200.70	818.78	466.70	1,565.00	-	-
M4R29D	4		6.1	12.70	1.00	.67	.06	6.50	.40
M4R29	326	469,440	4.6	213.40	819.78	467.37	1,565.06	6.50	.40
M4R32	26	37,440	6.0	5.44	1.87	.67	.37	5.33	2.98
M4R35	701	1,009,440	3.5	71.20	661.30	61.00	347.54	-	-

	Ferrous Iron ppm	Ferrous Iron ppd	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
M4R3	.04	-	.99	.05	27	1.18	65	2.30
M4R15A	.20	.17	2.22	1.00	303	172.60	317	171.20
M4R15C	.06	.03	1.03	.32	266	119.80	283	140.80
M4R15	.26	.20	2.25	1.32	569	292.40	600	312.00
M4R19	.03	-	.10	.01	16	1.03	37	2.80
M4R21	.06	.06	1.78	4.84	205	176.40	291	426.00
M4R22	.08	.04	1.05	.56	142	75.50	211	133.20
M4R29B	1.55	9.03	25.40	81.10	383	1,377.00	426	1,646.00
M4R29D	.04	-	.13	.01	39	2.14	74	4.30
M4R29	1.59	9.03	25.53	81.11	422	1,379.14	500	1,650.30
M4R32	.03	.01	.32	.10	13	5.30	40	24.30
M4R35	.17	5.80	2.70	22.40	217	1,551.00	222	1,574.00

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

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
M4R37	19	27,360	5.6	10.30	3.46	3.00	.66	10.00	1.18
M4R44	110	158,400	3.7	56.20	61.37	85.00	88.36	-	-
M4R51	20	28,800	6.4	27.30	6.21	-	-	33.40	7.00
M4R59A	1,532		3.2	101.60	2,283.00	109.00	269.49	-	-
M4R59B	12		3.6	53.40	8.07	35.70	2.39	-	-
M4R59F	217		3.5	84.10	223.69	102.00	279.56	-	-
M4R59	1,761	2,535,840	3.4	239.10	2,514.76	246.70	551.44	-	-
M4R76	1	1,440	6.9	14.00	.12	NT	-	36.71	.35
M4R91	112	161,280	3.1	72.40	155.48	43.30	60.93	-	-
M4R95	34	48,960	3.2	428.89	235.62	460.00	86.78	-	-
M4R96	16	23,040	4.9	14.11	2.71	8.00	.81	3.00	.55
M4R97	5	7,200	7.3	9.25	.49	NT	-	50.75	2.75

	Ferrous Iron ppm	Ferrous Iron ppd	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
M4R37	.05	.01	1.12	.28	29	5.70	82	29.60
M4R44	.09	.11	.28	2.40	271	296.70	315	361.70
M4R51	.08	.02	3.90	.64	224	46.20	313	67.30
M4R59A	.21	9.04	2.50	29.50	353	6,492.00	498	8,577.00
M4R59B	.07	.01	.73	.09	256	35.50	347	48.20
M4R59F	.17	.48	2.40	6.30	350	874.90	492	1,271.00
M4R59	.45	9.53	5.63	35.89	959	7,402.40	1,337	9,896.20
M4R76	.07	-	2.10	.01	77	.73	145	1.45
M4R91	.23	.90	2.51	4.80	302	515.90	393	731.40
M4R95	1.51	.63	17.32	8.08	475	188.61	528	266.25
M4R96	.08	.02	.45	.04	19	4.53	154	19.12
M4R97	.06	-	.55	.03	164	7.36	205	10.84

NT = Not Taken

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

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
M4R98	5	7,200	3.7	28.44	1.44	22.67	4.36	-	-
M4R99	3	4,320	6.7	4.75	.15	NT	-	10.0	.37
M4R100	5	7,200	6.0	8.50	.45	NT	-	7.5	.35
M4R142	4	5,760	6.8	6.00	.24	NT	-	48.6	.96
M4R143	5	7,200	6.4	9.40	.76	NT	-	24.4	2.57
M7R6A	9		3.6	48.42	5.15	91.00	7.80	-	-
M7R6B	16		3.5	56.29	11.02	90.00	8.21	-	-
M7R6	25	36,000	3.6	104.71	16.17	181.00	16.01	-	-
M7R7	323	465,120	3.1	296.11	1,105.00	580.00	1,453.00	-	-
M7R24	4	5,760	5.3	21.00	1.05	NT	-	5.2	.24
M9R28	4	5,760	6.1	7.00	.42	NT	-	7.5	.23

	Ferrous Iron ppm	Ferrous Iron ppd	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
M4R98	.16	.01	.87	.10	32	2.96	30	3.26
M4R99	.02	-	.28	.01	22	.86	33	1.26
M4R100	.06	-	1.50	.05	14	.72	12	.68
M4R142	2.50	.08	9.04	.34	25	27.47	NT	-
M4R143	1.90	.18	2.30	.27	29	2.19	NT	-
M7R6A	.44	.04	3.77	.24	228	22.03	335	34.13
M7R6B	.30	.07	5.36	.80	275	45.03	324	33.64
M7R6	.74	.11	9.13	1.04	502	67.06	659	67.77
M7R7	7.22	37.36	85.59	280.81	614	2,166.00	645	1,792.00
M7R24	.74	.02	4.06	.06	88	3.11	NT	-
M9R28	1.33	.03	1.40	.03	3	.10	NT	-

NT) Not Taken

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

Sta. No.	GPM	GPD	pH	Cold Acidity ppm	Cold Acidity ppd	Hot Acidity ppm	Hot Acidity ppd	Alkalinity ppm	Alkalinity ppd
M9R29	2	2,880	6.0	13.75	.38	NT	-	10.0	.26
M9R30	125	180,000	6.3	7.50	45.08	NT	-	8.5	51.08

	Ferrous Iron ppm	Ferrous Iron ppd	Total Iron ppm	Total Iron ppd	Sulfate ppm	Sulfate ppd	Hardness ppm	Hardness ppd
M9R29	4.10	.05	20.15	.24	71	2.06	NT	-
M9R30	.05	.30	.08	.45	35	210.35	NT	-

NT = Not Taken