APPENDIX I – WATER SAMPLING DATA – DEEP MINES

179	l	WP AP	X N X	STONY CREEK WATERSHED (SL-179)	WATER SAMPLING DATA	DEED MINE AVEDACES
-	179	ATERSHED (SL-179 IPLING DATA	WATERSHED (SL-179 AMPLING DATA TINE AVFRAGES	\sim		
l		TERSHED (IPLING DAT IF AVEDACE	WATERSHED (AMPLING DAT	S	A'	V
SL-	SI	TERSHED IPLING D	WATERSHED AMPLING D		ΑT	U
(SL- ATA GFS	(SI ATA	TERSH IPLING	WATERSH AMPLING	ЕD	Ω	40
ED (SL- DATA PAGFS	ED (SI DATA	TER: TPLTI	WATER: AMPLII	HS	Ŋ	ΤЦ
SHED (SL- NG DATA JEPAGES	SHED (SI VG DATA JEPAGES	I I I I I I I I I I I I I I I I I I I	WATH AMPI	R R	Ę	A T
ERSHED (SL- LING DATA	ERSHED (SI LING DATA		WP AP	T.	IPI	[z
K WATERSHED SAMPLING DAT MINF AVFPACH	K WATERSHED SAMPLING DAT MINF AVFPACH	X N X		E E E	ER	С Б
K WATERSHED SAMPLING DAT MINF AVFPACH	K WATERSHED SAMPLING DAT MINF AVFPACH	EEK ER V	되었다	CR	ΕÅ	Ē
K WATERSHED SAMPLING DAT MINF AVFPACH	K WATERSHED SAMPLING DAT MINF AVFPACH	CREEK ATER S DEEP M	CREE ATER		M)
CREEK WATERSHED WATER SAMPLING DAT	CREEK WATERSHED WATER SAMPLING DAT	CREE WATER DREP	.5	Nγ		
CREEK WATERSHED WATER SAMPLING DAT	CREEK WATERSHED WATER SAMPLING DAT	CREE WATER DREP	.5	TO		
CREEK WATERSHED WATER SAMPLING DAT	CREEK WATERSHED WATER SAMPLING DAT	CREE WATER DREP	.5	Ś		

	• 14		.03 1.27	(2 2 • 2	,
Lty ppd	11	-		I		•
Alkalinity ppm p	12•00 1	• J	2.89 2	1	ss ppd	4.15 1,024.00 1,527.00 2,555.17 34.87 46.00 80.87 39.63 45.23 3,610.00
cy ppd	5.00 85.00 401.71	40.91 40.91	0.05 4.95	1,168.00	L•33 Hardne ppm	444 236 344 344 288 288 285 350 158 158 230 230
Hot Acidity ppm	435.00 39.00 93.67 567 67	29.3 29.3 75.3	63.UU 16.50		• co bdd	3.44 364.00 283.00 650.44 32.80 43.00 75.80 41.90 6.41 6.41
Acidity ppd	319.00 495.81 815.48	14°.0	7.49 7.49	534 . 00	• 24 lfate m	246 230 249 249 265 261 122 122 122 122 122 122 122 122 122
Cold Aci ppm	44.00 44.00 78.56 166.56	441 8481 899	D CC	138.00 80.00	b d	<pre>. 76 4.15 7.68 12.59 . 09 . 08 . 14 . 14 . 14 . 14 . 14 . 14 . 14 . 19.00</pre>
Hq	4 4 6 4 	44.0 • 44.0 • 0	• •	3•5 2	tal n	3.00 .84 .84 .33 .71 .71 .72 .15 .00 .82
GPD	1.630.080	38,880 20.160	54,720	561,600 5760	, voo To PP	63 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
• ·	-	•			Iron ppd	- 11 - 64 - 65 - 01 - 01 - 03 - 03 - 03 - 03 - 03 - 03 - 03 - 03
GPM	2 568 562 1.132	276 211 274		390 4		9.00 9.07 9.17 9.17 .08 .18 .18 .18 .18 .18 .21 .21 .27 .29.00
Sta. No.	MIL3A MIL3C MIL3D MIL3	MLL4A MLL4B MLL4 MTL5	MIL6	MIL,9		MIL3A MIL3C MIL3C MIL3 MIL4 MIL4 MIL5 MIL5 MIL5 MIL7 MIL7 MIL9

MINE AVERAGES

-376-

									•												
ity ppd	I.	79.00	45.58	124.58	10.77	• 29	6.52	3.75	J	1.28											
Alkalin ppm	ł				36.86	48.50	10.33	25.25	1	57.16	×	s s pd	,948.00	,187.00 69.00 ,256.00	20.50	•54	1	I	1	130.00	
dity ppd	1,267.00	1	1	1	8	1	I	1	ł	J		Hardne ppm pj	685 2	472 2 268 740 2	130	06	NT	$^{\rm NT}$	LΝ	130	
Hot Aci ppm	653.00	1	1	I	I	TN	Π	ΤN	Π	Π			00	0000	10	50	57	54	96	63	
	00	00	78	78	44	07	33	66	93	22		ate ppd	5,181.0	2,238.0 293.0 2,531.0	5.1	•	47.6	3.	с . б	п•2	
cidity ppd	1,787.	206.	23.	229.	4.	•	æ	•	5	•		Sulf ppm	721	480 179 659	18	32	113	24	292	63	
Cold Ad ppm	323.00	38.00	40.00	78.00	17.80	12.00	19.50	5.00	85.00	10.50		lron ppd	267.00	2.25 2.48 4.73	•04	1	• 29	•04	1.16	•01	
Hď	3.0	5.8	0°2	6.2	6.4	6.8	5.4	6.7	3 . 3	7.3		Total ppm	74.00	• 71 • 70 1.41	.16	.13	• 73	• 33	32.50	.37	
GPD	612,000			529,920	36,000	1,440	60,480	17,280	4,320	2,880		s Iron ppd	22.35	. 88 .07 .95	• 03	1	60 .	• 02	.92	ł	
GPM	425	311	57	368	25	- -1	42	12	с	2		Ferrou ppm	3.03	.17 .09 .26	• 11	•07	• 23	• 15	25.58	• 08	
Sta. No.	M1L12	M1L14A	MLL14B	MLL14	M1L15	MIL17	M1L25	M1L27	M1L28	M2L1			M1L12	MIL14A MIL14B MIL14	M1L,15	M1L17	M1L25	M1L27	MIL28	M2L1	
	No. GPM GPD pH Cold Acidity Hot Acidity Alkalini ppm ppm ppd ppm	No. GPM GPD pH Cold Acidity Hot Acidity Alkalini 2 425 612,000 3.0 323.00 1,787.00 653.00 1,267.00 -	o. GPM GPD pH Cold Acidity Hot Acidity Alkalinity Ppm ppm ppm ppm ppm ppm ppm 425 612,000 3.0 323.00 1,787.00 653.00 1,267.00 - - 311 5.8 38.00 206.00 - - 23.00 79	No. GPM GPD pH Cold Acidity Hot Acidity Alkalinity 2 425 612,000 3.0 323.00 1,787.00 653.00 1,267.00 -	D. GPM GPD PH Cold Acidity Hot Acidity Alkalini 425 612,000 3.0 323.00 1,787.00 653.00 1,267.00 - 311 5.8 38.00 206.00 - 23.00 - 23.00 311 5.8 38.00 205.00 - - 23.00 - 311 5.29,920 6.2 78.00 229.78 - - 23.00 368 529,920 6.2 78.00 229.78 - - 106.00 1	D. GPM GPD pH Cold Acidity Hot Acidity Alkalinity 425 612,000 3.0 3.0 787.00 653.00 1,267.00 - - 425 612,000 3.0 323.00 1,787.00 653.00 1,267.00 - - - 311 5.8 38.00 206.00 653.00 1,267.00 - 233.00 79 311 5.8 38.00 206.00 6.5 40.00 233.78 - - 233.00 79 57 529,920 6.2 78.00 229.78 - - - 23.00 124 25 36,000 6.4 17.80 4.44 - - 36.86 10	o. GPMGPDpHCold Acidity ppmHot Acidity ppmAlkalinity ppm425 $612,000$ 3.0 323.00 $1,787.00$ 653.00 $1,267.00$ $ -$ 425 $612,000$ 3.0 323.00 $1,787.00$ 653.00 $1,267.00$ $ 311$ 5.8 38.00 206.00 $ 23.00$ 79 311 $529,920$ 6.5 40.000 223.78 $ 233.00$ 79 368 $529,920$ 6.2 78.000 229.78 $ 36.86$ 10 25 $36,000$ 6.4 17.80 4.44 $ 36.86$ 10 1 $1,440$ 6.8 12.00 $.07$ NT $ 48.50$	o. GPMGPDpHCold Acidity ppmHot Acidity ppmAlkalinity ppm425612,0003.03.0323.001,787.00653.001,267.00 $ -$ 425612,0003.03.0206.00 $ -$ 3115.838.00206.00 $ 23.00$ 1,267.00 $ -$ 3115.838.00229.78 $ 233.00$ 124.45 36 0.00 6.2 78.00 229.78 $ 233.00$ 124.45 36,000 6.4 17.80 4.444 $ 36.86$ 10 11,440 6.8 12.00 0.73 NT $ 48.50$ 42 $60,480$ 5.4 19.50 8.33 NT $ 10.33$ 6	D.GPMGPDpHCold Acidity ppmHot Acidity ppmAlkalinity ppm 425 $612,000$ 3.0 $3.23.00$ $1,787.00$ 653.00 $1,267.00$ $ 425$ $612,000$ 3.0 323.00 $1,787.00$ 653.00 $1,267.00$ $ 311$ 5.8 38.00 206.00 $ 23.700$ 79 57 $529,920$ 6.2 78.00 229.78 $ 233.00$ 45 368 $529,920$ 6.4 17.80 4.44 $ 36.86$ 10 25 $36,000$ 6.4 17.80 4.44 $ 36.86$ 10 1 $1,440$ 6.8 12.00 0.7 NT $ 48.50$ 12 $17,280$ 5.4 19.50 8.33 NT $ 25.25$ 3 12 $17,280$ 6.7 5.00 $.66$ NT $ 25.25$ 3	D.GPMGPD pH Cold Acidity hot AcidityAlkalinity425612,0003.0323.001,787.00653.001,267.00 $ -$ 425612,0003.0323.001,787.00653.001,267.00 $ -$ 3115.838.00206.00 $ 23.78$ $ -$ 3115.29,9206.540.0023.78 $ 23.00$ 79 368529,9206.278.00229.78 $ 23.00$ 1267.00 3111,4406.417.80 4.44 $ 36.86$ 10 11,4406.812.00 07 NT $ 48.50$ 1217,280 6.7 5.00 $.07$ NT $ 25.25$ 3 34,3203.385.00 2.93 NT $ 25.25$ 3	0. GPMGPD pH Cold AcidityHot AcidityAlkalinity 425 $612,000$ 3.0 323.00 $1,787.00$ 653.00 $1,267.00$ $ 425$ $612,000$ 3.0 323.00 $1,787.00$ 653.00 $1,267.00$ $ 311$ 5.8 38.00 206.00 $ 311$ $5.9,920$ 6.2 78.00 229.78 $ 23.00$ 79 368 $529,920$ 6.2 78.00 229.78 $ 23.00$ 79 368 $529,920$ 6.4 17.80 4.444 $ 36.86$ 10 25 $36,000$ 6.4 17.80 4.444 $ 36.86$ 10 1 $1,440$ 6.8 12.00 0.7 NT $ 48.50$ 1 $1,440$ 6.8 12.00 0.7 NT $ 25.25$ 3 1 $1,7280$ 6.7 5.00 $.66$ NT $ 3$ $4,320$ 3.3 85.00 2.93 NT $ -$ <t< td=""><td>D. GPMGPDpHCold AcidityHot AcidityAlkalinity$425$$612,000$$3.0$$737.00$$653.00$$1,267.00$$425$$612,000$$3.0$$3.0$$787.00$$653.00$$1,267.00$$311$$5.8$$38.00$$206.00$$653.00$$1,267.00$$311$$5.8$$38.00$$206.00$$653.78$$311$$5.8$$38.00$$223.78$$23.00$$1267.00$$311$$5.29,920$$6.2$$78.00$$229.78$$368$$529,920$$6.2$$78.00$$229.78$$36.86$$10$$25$$36,000$$6.4$$17.80$$4.44$$36.86$$10$$1$$1,440$$6.8$$12.00$$0.7$$NT$$48.50$$12$$17,280$$6.7$$5.00$$.07$$NT$$25.25$$3$$12$$17,280$$6.7$$5.00$$2.93$$NT$$2.5.25$$3$$3$$4,320$$3.3$$85.00$$2.93$$NT$$2$$2,880$$7.3$$10.50$$.22$$NT$$2$$2,880$$7.3$$10.50$$.2$</td><td> GPM GPD PPM PPd PpM PpM PpM PpM PpM PpM PpM PpM PpM PpM</td><td>o. GPM GPD PH Cold Acidity Ppm Hot Acidity Ppm Alkalinity Ppm Alkalinity Ppm Alkalinity Ppm Alkalinity Ppm Ppm Ppm</td><td>o. GPM GPD pH Cold Acidity ppm Hot Acidity ppm Alkalinity ppm Alkalinity ppm ppm ppd ppm ppd ppm ppm ppd ppm ppd ppm pm<</td><td>No. GPM GPD PH Cold Acidity Hot Acidity Alkalinity Ppm Ppd Ppm Ppd Ppm Ppd Ppm Ppd Ppm Ppd Ppm Ppm Ppd Ppm Ppd Ppd Ppm Ppd Ppd Ppd Ppd Ppd Ppm Ppd Ppd Ppm Ppd Ppm Ppd Ppm Ppd Ppd Ppd Ppd Ppd<td>No. GPM GPD PH Cold Acidity Ppm Hot Acidity Ppm Alkalinity Ppm Alkalinity Ppm Alkalinity Ppm Alkalinity Ppm Alkalinity Ppm Ppm Ppd Ppm Ppd Ppm Ppd Ppm Ppm Ppm Ppm Ppd Ppm Ppd Ppm Ppd Ppm Ppd Ppm Ppd Ppm Ppm Ppd Ppd</td><td>No. GPM GPM PH Cold Acidity ppm Hot Acidity ppm Alkalinity ppm Alkalinity ppm 2 425 612,000 3.0 323.00 1,787.00 653.00 1,267.00 - - A 311 5.8 38.00 2.06.00 2.05.00 1267.00 - 233.00 126 0.0 45 B 57 5.8 38.00 2.06.00 2.33.78 - - 233.00 126 10 45 10 45 10 45 10 45 10 46 10 46 10 46 10 46 10 12 11 48.50 10 44 - - 48.50 10 36<!--</td--><td>No. GPM GPM PPH Cold Acidity ppm Ppdm ppd ppd ppd ppd ppm ppd ppm ppm</td><td>No. GPM GPM PPH Cold Acidity ppm Ppd ppd ppd ppd ppd ppd ppd ppd ppm ppd ppm ppd ppm ppd ppm ppm ppd ppm ppd ppd</td><td>No. GPM GPD pH Cold Acidity ppm Phod ppm Ppd ppm ppm ppd ppm ppd ppm ppd ppm ppm ppm ppd ppm ppd ppm ppm ppm ppm ppm ppm ppd ppm pm pm pm</td></td></td></t<>	D. GPMGPDpHCold AcidityHot AcidityAlkalinity 425 $612,000$ 3.0 737.00 653.00 $1,267.00$ $ 425$ $612,000$ 3.0 3.0 787.00 653.00 $1,267.00$ $ 311$ 5.8 38.00 206.00 653.00 $1,267.00$ $ 311$ 5.8 38.00 206.00 653.78 $ 311$ 5.8 38.00 223.78 $ 23.00$ 1267.00 311 $5.29,920$ 6.2 78.00 229.78 $ 368$ $529,920$ 6.2 78.00 229.78 $ 36.86$ 10 25 $36,000$ 6.4 17.80 4.44 $ 36.86$ 10 1 $1,440$ 6.8 12.00 0.7 NT $ 48.50$ 12 $17,280$ 6.7 5.00 $.07$ NT $ 25.25$ 3 12 $17,280$ 6.7 5.00 2.93 NT $ 2.5.25$ 3 3 $4,320$ 3.3 85.00 2.93 NT $ 2$ $2,880$ 7.3 10.50 $.22$ NT $ 2$ $2,880$ 7.3 10.50 $.2$	 GPM GPD PPM PPd PpM PpM PpM PpM PpM PpM PpM PpM PpM PpM	o. GPM GPD PH Cold Acidity Ppm Hot Acidity Ppm Alkalinity Ppm Alkalinity Ppm Alkalinity Ppm Alkalinity Ppm Ppm Ppm	o. GPM GPD pH Cold Acidity ppm Hot Acidity ppm Alkalinity ppm Alkalinity ppm ppm ppd ppm ppd ppm ppm ppd ppm ppd ppm pm<	No. GPM GPD PH Cold Acidity Hot Acidity Alkalinity Ppm Ppd Ppm Ppd Ppm Ppd Ppm Ppd Ppm Ppd Ppm Ppm Ppd Ppm Ppd Ppd Ppm Ppd Ppd Ppd Ppd Ppd Ppm Ppd Ppd Ppm Ppd Ppm Ppd Ppm Ppd Ppd Ppd Ppd Ppd <td>No. GPM GPD PH Cold Acidity Ppm Hot Acidity Ppm Alkalinity Ppm Alkalinity Ppm Alkalinity Ppm Alkalinity Ppm Alkalinity Ppm Ppm Ppd Ppm Ppd Ppm Ppd Ppm Ppm Ppm Ppm Ppd Ppm Ppd Ppm Ppd Ppm Ppd Ppm Ppd Ppm Ppm Ppd Ppd</td> <td>No. GPM GPM PH Cold Acidity ppm Hot Acidity ppm Alkalinity ppm Alkalinity ppm 2 425 612,000 3.0 323.00 1,787.00 653.00 1,267.00 - - A 311 5.8 38.00 2.06.00 2.05.00 1267.00 - 233.00 126 0.0 45 B 57 5.8 38.00 2.06.00 2.33.78 - - 233.00 126 10 45 10 45 10 45 10 45 10 46 10 46 10 46 10 46 10 12 11 48.50 10 44 - - 48.50 10 36<!--</td--><td>No. GPM GPM PPH Cold Acidity ppm Ppdm ppd ppd ppd ppd ppm ppd ppm ppm</td><td>No. GPM GPM PPH Cold Acidity ppm Ppd ppd ppd ppd ppd ppd ppd ppd ppm ppd ppm ppd ppm ppd ppm ppm ppd ppm ppd ppd</td><td>No. GPM GPD pH Cold Acidity ppm Phod ppm Ppd ppm ppm ppd ppm ppd ppm ppd ppm ppm ppm ppd ppm ppd ppm ppm ppm ppm ppm ppm ppd ppm pm pm pm</td></td>	No. GPM GPD PH Cold Acidity Ppm Hot Acidity Ppm Alkalinity Ppm Alkalinity Ppm Alkalinity Ppm Alkalinity Ppm Alkalinity Ppm Ppm Ppd Ppm Ppd Ppm Ppd Ppm Ppm Ppm Ppm Ppd Ppm Ppd Ppm Ppd Ppm Ppd Ppm Ppd Ppm Ppm Ppd Ppd	No. GPM GPM PH Cold Acidity ppm Hot Acidity ppm Alkalinity ppm Alkalinity ppm 2 425 612,000 3.0 323.00 1,787.00 653.00 1,267.00 - - A 311 5.8 38.00 2.06.00 2.05.00 1267.00 - 233.00 126 0.0 45 B 57 5.8 38.00 2.06.00 2.33.78 - - 233.00 126 10 45 10 45 10 45 10 45 10 46 10 46 10 46 10 46 10 12 11 48.50 10 44 - - 48.50 10 36 </td <td>No. GPM GPM PPH Cold Acidity ppm Ppdm ppd ppd ppd ppd ppm ppd ppm ppm</td> <td>No. GPM GPM PPH Cold Acidity ppm Ppd ppd ppd ppd ppd ppd ppd ppd ppm ppd ppm ppd ppm ppd ppm ppm ppd ppm ppd ppd</td> <td>No. GPM GPD pH Cold Acidity ppm Phod ppm Ppd ppm ppm ppd ppm ppd ppm ppd ppm ppm ppm ppd ppm ppd ppm ppm ppm ppm ppm ppm ppd ppm pm pm pm</td>	No. GPM GPM PPH Cold Acidity ppm Ppdm ppd ppd ppd ppd ppm ppd ppm ppm	No. GPM GPM PPH Cold Acidity ppm Ppd ppd ppd ppd ppd ppd ppd ppd ppm ppd ppm ppd ppm ppd ppm ppm ppd ppm ppd ppd	No. GPM GPD pH Cold Acidity ppm Phod ppm Ppd ppm ppm ppd ppm ppd ppm ppd ppm ppm ppm ppd ppm ppd ppm ppm ppm ppm ppm ppm ppd ppm pm pm pm

STONY CREEK WATERSHED (SL-179)

NT = Not Taken

-377-

	Ğ			٠	- 79 - 19	•		ט - ו	• •	0		•	•43 •03				•										
	Alkalinity ppm ppd	1	Ç	0 0	5 7 7 7 7 7 7 7	2		40	6 42	67	م	n .c	n v n c			00	•	<u> </u>	- 88 - 88	• •	+ 0				۴o	ìα	- C -
	Alkal ppm	1	Г	•	174.8	29.1	1	2.4		4.6	5 7 5	•	120.7	0 5 5 5 5	pdd	209		5 0	2 C L	1 4	- 247	- -					י ע
·	Acidity ppd	245.00		1	1 [1 - 4R	72.79	1	I	3.62		I	11	Hardness	mqq	439	((162 599	762	278	472	œ	74	950	26	204	230
	Hot Acio ppm	203.00	Nſſħ		τN	123.30	97.50	TN	TN	301.50	τN	- LIN	TN	ate	pdd	1,201.00	. (ഹ	9.60	519.09		16.15	-		S	2.89
SAMPLING DATA MINE AVERAGES	Acidity ppd	.889.00	с О г		1•30 3•18		95.36		10.73	.18	66	- L C	• 4 •	Sulfate	mqq	360	105	337	442	703	379	10	22	248	. 22	. 181	C
	Cold Ac ppm	227.00		ι σ	32.32	40.11	59.71	2.20	10.16	14.14	6.66	00.6	15.66	Iron	pdd	46.35	(F	• 10		2.85	4.79	•01	.18	• 68	•01	.01	. 02
DEEP	Hd	3 • 2	6.8	0.7	7.3	4.5	3.5	6.2	6.9	4.9		•	6.8	Total	mdd	18.23	95	.21	• 60	236.99	4.91	• 10	.13	56.70	.10	.21	• 31
	GPD	416,160			25,920	2,880	168,480	2,880	84,960	1,440			8,640	Ferrous Iron	pdd	1.70		• 33	.34	• 38	• 80	1	•00	• 26	I	1	1
	GPM	289	8		18	2	117	2	59	Ļ	2	4	9	Ferrou	mdd	•53	60.	•12	•21	31.32	•53	• 03	• 05	22.02	• 06	• 04	.10
	Sta. No.	M2L2	M2L3A	M2L3B	M2L3	M2L5	M2L14	M2L16	M2L22	M2L23	M3L1A	M3L1B	M3L1			M2L2	M21.3A	M2L3B	M2L3	M2L5	M2L14	M2L16	M2L22	M2L23	M3L.1A	M3L1B	M3L1

STONY CREEK WATERSHED (SL-179) WATER SAMPLING DATA

NT=Not Taken

-378-.

	nity ppd		- ↓ 	I	ł	1	1	1	I	11		α L	•45	•03	32	\sim		5			9	20 20 20	1
	Alkalinity ppm pp	2.08 8.17 0.25		I	1	1	I	I	1	11	ess ppd	L C		35	28.	9	4		Ē		03	190. 294.	•
	đ Q	19 132 132		10	•48	70	70	00	4	0	Hardnes ppm	332	35	367	358	274	116	100	550	423	4,966	948 5,914	•
	ð	• • •		209.]	4 • 7	40.	469.7	934.0	38.2			~			,	•							
	Acidity ppd	ຕ ຕ 0 ຕະຕະບ	00	0.0	• 00	00	• 00	• 00	• 00	.00 1,	ন্দ্ৰ	32,98	3.1	36.15	22.59	566.00	7.38	41.53	46.03	542.00	58 58	59.71	•
	Hot Ac ppm	ີ ດີ	156.	300.	53.	30.	383	960.	,650	,234 884	ate ppd	9	5	-1			0	Э	6 1 , 1			שיט הים	
2		m io m	0	0	~	2		-		4 9	Sulfa	38	15	40	291	607	220	13.	606	630			•
	q	6,38 ,45 6,83	17.60	416.00	1.68	15.07	548.89	402.00	4.	257 . 00 301.61					0	~							
	Acidity ppd	66 88 88	00	00	00	00	71	00 1,	00		on ppd	• 5(• 04	.54	1.40	110.00	•54	1.13	102.90	67.31	5.47	16.4) F
	Cold Ac ppm	65•6 8.2 73.8	190.0	424.0	135.0	91.0	255.7	520.0	87.	805.00 792.00	al Ir	•84	•16	٠	•84	• 00	• 98	•48	• 33]	.00 2	00.		
	P D D	ч 4.е	5	ß				0		ີ ຕິ ຕິ	Total ppm	Ъ	ļ	0	17	103	15	4	68	121	273	470	
	Нď	4 9 U	°.	2•	0 3.2	3.2	0 2.9	3.0	•	5°8	a	01	01	20	18	97	0.7	04	• 62	80	85 94	79	
	GPD	27,360	10,080	87,840	2,880	28,800	234,720	280,800		27,360	s Iron ppd	•	•	•	•	5	•	•	4	16.80	•α		
	GPM G	145 19	7	61	5	20	163 2	195 28	~		Ferrous ppm	• 13	90 .	٠	٠	2.45	1.83	•37	1. 92	4.71	99.09 88.81	187,90	
											ЕĞ				•						or a	18	
	Sta. No.	M3L2A M3L2B M3L2B M3L2	M3L4	M3L9	M3L19	M3L20	M3L30 ·	M4L5	M4L13A	M4LL3B M4Ll3		M3L2A	M3L2B M31.2		M3L4	M3L9	M3L19	M3L20	M3L30	M4L5	M4L13A M4L13B	M4L13	<u></u> .
				, ,		 i	-	4	4			22	2, 2		2	≥.	Σ	Σ	Σ	Σ	ΣΣ	М	

(SL-179)		
CREEK WATERSHED (LING DATA	AVERAGES
REEK WI	R SAMPLING	P MINE
STONY CI	WATER	DEEP

.36 .36 þþd Alkalinity 1 I I I ł ۱ ł 1 1 1 21.60 18.62 18.02 76.23 409.04 623.98 214.94 886.00 139.30 139.30 134.47 I pdd mqq 1 1 1 1 Ł 1 Hardness 1 1 4 ł 1 1 4,250 1,100 1,100 1,000 744 1,140 1,884 2,898 1,000 ΤN mqq 25.60 44.70 17.40 8.77 1,030.00 612.00 16.22 103.92 212.80 212.80 2,830.00 1,030.00 2,962.00 1,038.77 1 þþd 26.49 73.76. 163.26 1,367.00 1,557.85 1.02 156.86 299.22 1,323.00 35.71 155.84 190.85 Hot Acidity 725.00 1,285.00 700.00 2,567.00 3,635.00 1,580.00 1,580.00 925.00 132.00 ppdd ΤN Sulfate mdd 1,150 1,102 2,690 1,380 1,137 2,189 2,833 1,452 6,624 3,871 13 644 mdd 177.39 76.88 863.00 939.88 9.93 • 33 574.00 20.42 101.23 89.24 45.81 88.91 pdd 4.37 16.95 36.59 121.47 124.77 39.43 8.60 • 02 3.30 82.98 66.51 39.41 Cold Acidity pdd **Total Iron** 777.14 412.86 1,463.86 1,129.00 1,295.00 5.25 1,524.00 790.86 650.29 3,444.73 655.54 356.89 181.89 288.00 297.95 9.95 332.00 .64 261.00 664.22 1,535.00 284.00 284.64 mdd mdd 3.0 3.0 3**.**1 2.8 3.0 3.0 4.7 3.9 3.6 2°0 3°3 μd 4.19 16.66 2.84 **1.15** 9.07 22.71 35.77 .30 4.49 36.49 .01 16.65 pdd Iron 50,400 24,480 24,480 129,600 Ferrous GPD .26 123.59 .66 6.92 7.58 47.89 100.30 316.80 123.33 120.33 194.31 679.33 mqq GPM 35 10 17 12 17 30 60 06 \sim \sim S Sta. No. M4L40B M4L40D M4L41B M4L,40A M4L40C M4L41A M4L40D M4L41B M4L40A M4L40B M4L40C M4L41A M5L3B M4L40M5L3B M5L3B M4L15 M4L41 M5L3A M4L15 M4L40M5L3A M4L41 M5L3

Not Taken

= LN

	nity ppd	111	1	• 60 • 04 • 64	1	1.36	1.34	ľ	ss ppd	138.03 24.22 162.25	•86	8 64 8 64 9 46	610.63	2.70	12.82	749.85
	Alkalinity ppm ppd	111	•17	4.16 .17 4.33	I	62.60	18.83	1	Hardnes ppm	479 35 4 833	42	272 116 388	697	108	249	1,432
	Acidity ppd	22 69 6 73 29 42	9	5.94 .60 .54	169.15	I	1.56	51.58	pdd	116.79 28.23 135.02	.97	7.67 1.97 9.64	519.44	• 71	12.51	636.54
S	Hot Ac ppm	150.00 150.00 300.00	26.	231.33 50.00 281.33	320.33	ΤN	128.33	227.67	Sulfate ppm k	348 413 761	53	222 99 321	615	43	234	1,179 6
MINE AVERAGES	Acidity ppd	45.68 18.26 63.94	• 69	2•72 •48 3•20	243.65	• 24	1.15	97.13	on ppd	2.92 0.00 2.92	1	.10	5.23	-D1	•51	4.86
DEEP MI	Cold Aci ppm	117.00 259.56 376.56	40.22	82.66 58.44 141.10	249.67	12.80	24.56	190.30	Total Iron Ppm pp	9.80 97.46 107.26 1	• 63	3.41 1.03 4.44	33.76 2	• 88	33.60	8.58
	Hd	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	3 . 9	30.00 30 30 30 30 30 30 30 30 30 30 30 30 3	3.1	7.4	6.1	3•3								
	GPD	50,400	2,880	8,640	108,000	1,440	7,200	64,800	is Iron ppd	•77 1•07 1•84	1	•01 •01	2.47	I	-1.	•56
	GPM	29 35	2	409	75	Г	Q	45	Ferrous ppm	1.93 15.12 17.05	.10	• 28 • 14 • 42	2.27	.10	1.25	• 75
	Sta. No.	M5L5A M5L5B M5L5	M5L7	M5L9A M5L9B M5L9	M5L11	M5L12	M5L13	M5L,17		M5L5A M5L5B M5L5	M5L7	M5L9A M5L9B M5L9	M5L11	M5L12	M5L13	M5L17

STONY CREEK WATERSHED (SL-179) WATER SAMPLING DATA

NT = Not Taken

-381-

CRE TER EEP	(SL-179)		
S		SAMPLING	DEEP MINE AVERAGES

Alkalinity ppm ppd	I	1	9.14 1.38) • 1	1	1	6.80 ₉	\mathbf{N}	.13 1.1	1	1	Ĭ	1		Hardness ppm ppd	/16 127.53	6.0	73 11.13	02 419.	,270 889.00 ,572 1.308.69	160 4.	6.	σ	42 49.21	372 157.57 84 2.56	6 160.1
	11.76	3.48		5 . 9	74.04	100.01	1	1	I	1.18	103.90	.56	104.46		re Ha ppd pl	141.31	67.54	2.44	•56	50.26 L 77.82 2	1. 62			48.31	46 13	9 . 3
Hot Acidity ppm ppd	46.67	96.67	NT	• °	145.67	0.7	ΠŢ	ΤN	ΤN	4.70	•	23.3	3•3	·	ppm	693	653	19	,02	1,005 2,033	70		167	63	512 141	വ
Acidity ppd	1 43 . 63	30.50	96	69.	121.67	190.	•	•	ۍ •	40.48	22	6.9	227.3	\$	bpdd	9.38	11.19	• 04		3.48 4.55	I	I	I	• 33	9.1 .2	39.41
cold / ppm	226.44	343.89	10.20	35.	153.11	αч. •	2	15.20	ά	32.29	298.67	75.8	4.5		ppm ppm	35.95	60.24	•31	မိုင်	4.	•	2 . 95	٠	• 48	82.93 3.12	• 05
Hd	3•0	2.9	6.7		• .	З.•Д	6.6	7.4	0.1	3.6	2.9		٠													
GPD	17,280	8,640	15,840		0	139,680			00/ (c	103,680		(92,160	2 () + ()	ppd	1. 29	1.20	•01	.27	• 48 • 75	1	I	i	•04	4.93 .01	4.94
GPM	12	9	11	35	62	71	e		4.	72	58		64	El CANOLIC	bpm T E T T O C	4.78	3.35	60 •	• 36 F 0	• • • •	• 05	• 23 2	• 28	• 02	3.48 .12	3.60
Sta. No.	M5L20	M5L25	M5L27	M5L29A	M5L29B	ん フィコ CM	M5L30A	M5L30B MET 30	OC TOLI	M5L32	M6L4A	M6L4D	M0L4			M5L20	M5L25.	M5L27	M5L29A Met 20B	M5L29	M5L30A	M5L30B	05 LCM	M5L32	M6L4A M6L4D	M6L4

NT = Not Taken

	nity ppd	TTT	ł	• 24	•04	. 78	.17	ł	6.28	•59	ss ppd	46.94	18.56		.50	10.39	1.86	.23	9.24	24.90	3.70		
	Alkalinity ppm ppd	111	1	8.08	. 25	24.42	6.33	1	54.00	2.00	Hardness ppm p	582	746 1.328	478	21	98	56	11	959	210	7		
	ty ppd	81.79 16.46 98.25		• 32	.11	3.13	• 06	6.49	I	•12		• 78	• 05 83	89	•33	•42	• 35	•19	.54	58	•83		
	Acidi	826.67 776.67 603.34	16.70	13.33	9.33	86.67	1.00	40.00	TN	2.00	Sulfate ppm ppd	92	29.	02	·	6	-	·	6	18.	Υ. Υ		
AGES	Hot ppm	• 	•					ۍ ۲			Sulf ppm		1,080 1,962	485	11	85	41	11	938	153	10		
IE AVERAGES	li ty ppd	67.93 20.74 88.67	90.76	;48	1.69	8.79	• 20	2.32	1.76	3,71			•68 •91	• •	• 03	• 02	•44	• 02	. 80 •	• 06	•06		,
DEEP MINE	d Acid	646.67 707.78 354.45	•	10.00	17.00	31.33	12.44	61.11	15.60	9.67	Lron ppd	7 182	18	3 27	~ #	3	2	7	·1				
DE	Cold ppm	1,376						5			Total ppm	260.1	283.92 544.09	17.83	1. 34	• 5	55.92	.87	105.00	• 70	• 20		
	Hd	2 • 3 • 8 • 8	3.1	5.9	4.3	6.0	5.4	3.0	7.0	4.8													
	GPD	20,160	168 , 480	2,880	4,320	4,320	2,880	1,440	14,400	30,240	us Iron ppd	1.82	.37 2.19	• 68	ł	I	• 03	I.	• 08	.01	. 01		
	GPM	1 1 1 4 1 7	117		e	ŝ	\sim	r1	10	21	Ferrous ppm	21.52	10.17 31.69	•42	• 06	• 05	. 72	.14	9.06	• 0.7	• 06	Taken	
	Sta. No.	M6L5A M6L5C M6L5	M6L8	M6L12	M6L.18	M6L21	M6L22	M7L1	MIOLIO	MIOLIL		M6L5A	M6L5C M6L5	M6L8	M6L12	M6L18	M6L21	M6L22	M7L1	MIOLIO	MIOLII	NT - Not	•

.

STONY CREEK WATERSHED (SL-179) WATER SAMPLING DATA

-383-

Ì

	Alkalinity ppm ppd	190.00 213.21	1	26.58 2.07	9.60 I.37	1	34.00 7.76	3.11 .98	2.89 .57	1	3.67 .22	dnes	ppdd mdd	1,232 1,269.00	1,887 1,700.00	40 1.43	34 5.86	1,324 796.70	93 18.90	1,098 413.89	11 1.05	875 1,855.00	
	Acidity A ppd p		7 340.17	ł	ł	856.50	1	147.67	.35	732.09	1.40			1,100.00	,382.00	•67	3.58	221.00	4.76	381.55]	1.75	,062.00	
4 10	Hot Acid ppm	I	806.6	1	μŢ	1,557.00	τN	416.67	7.00	424.67	5.00	fate	มนุน มนุน	986 1,	1,491 1,	11	17	1,804 1,	20	939	12	740 2,	
MINE AVERAGES	Acidity ppd	59.10	131.99	1.07	1.05	769.27	. 8.18	72.03	, 2.21	1,333.00	.89	τ		29.21	• 68	• 22	• 05	• 27	• 70	2.59	•04	5.93	
DEEP MI	Cold Aci ppm	58.00	129.67	14.78	6.20	1,192.00	32.20	172.00	14.44	425.67	15.33	Total Iron		25.85 29	23.64 18	1.49	.17	270.42 168	2.08	90.09 42	• 65	238.50 605	
	Нд	6.6	3.4	6.4	6.4	2•9	6.4	4.3	4.9	3.2	5.1												
	GPD	135,360	106,560	5,760	27,360	76,320	28,800	48,960	17,280	345,600	8,640	Ferrous Iron ppm ppd	5 2 2	3.60	3.49	.10	•01	12.82	1.	35.71	•01	211.86	
	GPM	94	74	4	19	53	20	34	12	240	9	Ferro		2.94	3.79	• 19	• 04	39.15	• 00	50.66	•07	75.58	1
	Sta. No.	M10L34	MIOL55	M10L58	MIOL59	M10L61	M10L62	M12L2	M13L4	M13L7	M13L12			M10L34	M10L55	M10L58	M10L59	M10L61	M10L62	M12L2	M13L4	M1 3L 7	

. NT = Not Taken

-384-

	ity ppd	1 . 13	6	00	•	40.75	~	1	ſ	1.67	1	1 1	less nnd		1. 49	7.44	1.67	<u>б</u>	114.61	12.38	352.57	02.	3.02	പ്പ	64 37 79 88	
	Alkalinity ppm pj	81.50	14.17		. 4	• ເມ	29.20	ŕ	I	29.00	• 08	• 08	Hardness		78	74	118	210	220	71	805	444	, 43		371 1.662	•
	Acidity ppd	1	1	I	-	I	. 1	91.55	149.04	ì	ۍ ۲	46.47 52.20	որվ	Ĺ	р С.	3.71	•46	2.2	٠	5.66	485.00	147.87	1.89	7.3	63.56 80.92	
AVERAGES	Hot Ac ppm	ΤN	I	ЧТ	LN	ΤN	TN .	450.00	566.67	TN	77.	457 . 00 934 . 00	Sulfate	20	0	48	\sim	120	ť (cn –	. 797	511	28	Ē	.432 1,545	
DEEP MINE AV	Acidity ppd	• 22	1. 64	-20	7.10	•	2.29	96.79	39.10	.81	പ്പ	35.39 41.00	Iron ppd	4	l	•31	Ī	2.26 2.26	97•7	.16	63.44	40.18	• 15	5	6.15 7.92	
DEEP	Cold Ad ppm	18.25	8.56	15.00	14.40	29.40	14.00	228.44	185.56	12.00		168.44 455.11	Total I ppm	ч Ч	•	2.68	•	4°18		Ω -	134.45	105.76	3.32	121.38	38.21 159.59	
	Hq	7.1	6.1	6.9	7.3	7. L	6.4	3 . 3	3 . 5	7.0	•	N IA m m														
	GPD	2,880	12,960			66,240	23,040	48,960	41,760	5,760		25,920	us Iron ppd		I	• 03	1	• 0 2 0 2		•	2.71	.67	I	•48	• 26 • 74	
	GPM	2	6	5	44	46	16	34	29	4		18 18	Ferrous ppm	.08		• 26	• 07	• 16			ע •	2.53	•04	7.1	12.25 49.39	Taken
	Sta. No.	M1R4	MIR5	M1R6A	M1R6B	M1R6	MIR9	MIR12	MIR14	M1R16	MLR17A	MIR17		M1R4		MIR5	M1R6A W1D6D	MLRG	6 a LM			M1R14	M1R16	M1R17A	MIRL7B MIRL7	NT Not

STONY CREEK WATERSHED (SL-179) WATER SAMPLING DATA

	nity ppd	•04	1	I	10.85	3.62	8.52	• 05	2.74	.27	I		4	2	7	9	, E		5	8	5	2	
	Alkalinity ppm ppd	•33	1	ł	43 4333	66.00	81.33	2.08	19.50	5.89	1	ness ppd	7.04	5.35	4.97	45.76	5.13	12.11	2.82	5.18	8.02	30.05	
												Hardness ppm p	220	397	322	174	86	92	104	34	276	450	
	Acidity ppd	4.09	2.90	4.09	ł	I	I	• 96	1	2.01	3.33		40	86	37	54	41	90	04	19	45 [,]	13	
ES		160.00	242.00	265.00	$^{\rm TN}$	ΤN	ΓN	27.00	ΤN	33.00	92.00	Sulfate ppm ppd	11.40	ۍ ٩	ۍ ک	58.	-	2.90	2.04	5.19	6.4	16.	
VERAG	. Hot ppm									1	<u>6</u>	Sul: ppm	180	430	366	234	22	26	71	36	206	335	
MINE AVERAGES	Acidity ppd	4.19	1.88	2.61	7.55	.94	1.19	.13	1. 73	I. 03	3.89	Iron ppd	•0T	•46	• 35	• 05	•12	• 03	• 05	• 05	• 33	• 36	
DEEP I	Cold Ac ppm	46.33	130.00	187.00	28.67	14.20	7.67	6.78	10.50	24.33	87.71	Total Ir ppm p	35.81 1	34.93	28.10	.19	1 •65	•29	1.71	•12	22.85	27.72 1	
	Hđ	3.7	3 . 2	3.1	6.6	7.0	7.5	5.4	6.8	5.1	3 • 2												
	GPD	7,200	1,440	2,880	18,720	8,640	2,880	2,880	18,720	5,760	7,200	us Iron ppd	.07	1	.02	• 02	1	1	.01	•01	•01	. 48	
	GPM	S		2	13	9	2	CV	L 3	4	Ŋ	Ferrous ppm	3.61	• 70	1.05	• 08	•24	• 08	.46	• 05	• 33	11.35	
	Sta. No.	M1R18	M1R19	M1R20	M1R22	M1R28	MIR31	M1R37	M1R38	M1R40	M1R41		M1R18	MLR19	M1R20	M1R22	M1R28	M1R31	M1R37	M1R38	M1R40	MlR41	

-386-

	Alkalinity ppm ppd	•	• 00 1.48	د م ا	•50 8	5.60 2.26	2.00	3.40	• •	88.00 1,500.00	22.60 1.29	٠	Hardness ppm ppd	- LN	L L	L TN	L TN	I TN	- LN	- LN	L TN	214 3,709.0	194 10.5	452 4,474.0
2. • •	Acidity	I	1	1	ł	ľ	I	I	I	I	I	I	ate ppd	•	18.10	٠	ъ.	7.40	ന	13.65		1,643.00	7.80	3,152.00
DATA	Hot ppm	ΤN	TN	TN	TN	TN	τN	ΤN	ΤN	1	ΤN	ΤN	Sulfate ppm pp	40	217	36	293	19	62	89	151	96	222	326
SAMPLING DATA MINE AVERAGES	Acidity ppd	•54	• 30	2.34	٠	1.54		٠	2.72	455.34	1.32	277.10	€.	m i	10	7	0	0	Ť	~	2	7	~	~
WATER S DEEP N	Cold A ppm	6.50	3.75	6.00	16.25	4.80	5.40		11.40	30.38	14.40	25.33	l Iron ppd	• 08	õ	0	• 2(• 02	• 04	0	0	35.97	• 08	4.47
M	Hď	8				5.9		6.3		6.5	6.5	6.4	Total ppm	• 68	• 0.6	•40	1.14	•10	• 30	•18	•48	1.76	2.65	•47
	GPD				54,720	28,800			66,240	2,040,480	21,600	1,192,320	us Iron ppd	0.8	• 04	.0.	• 19	•02	• 04	•03		1.92	• 03	• 79
	GPM	L	6	24	38	20	29	17	46	1,417	15	828	Ferrous ppm	5 5 •	0 u 0 u 0 u	•	1•45	•10	• 22 • 2	ρŢ.	•40	•11	• 31	• 08
	Sta. No.	MIR45A	MLR45B	MLR45C	MLR45	M1R47	M2R1A	M2R1C	M2R1	BH3R18	M3R3	M3R4		M1R45A	MLK40B	MLK4JC	C 1 X T M	M1R47	MZRIA	MZKIC	MZKI	BH3R18	M3R3	M3R4

STONY CREEK WATERSHED (SL-179)

NT = Not Taken

-387-

	ty ppd	01 01 01	、	6.07		259.00	1.43		• • 65 • 65 • 43	000 000 70	•68		• 76	
	Alkalinity ppm pp	3.44 1.33 1.00 5.77	124.00 37.75 97.00 258.75	14.08 78.40	I	161.80	9.60	Hardness ppm ppd	39 1 73 23 33 23 145 25			30 8.	319 513	TN
	Acidity . ppm	1.03 1.24 1.03		II	4.81	I	I	te ppd	2.58 2.31 .13 5.02		10.96	す	139,86	4.39
GES	Hot ppm	N 4 M D	TN TN TN	I LN	25	ΝT	ΤN	Sulfate ppm p	13 11 12 12	145 132 142 419	24 36	246	06	45
MINE AVERAGES	Acidity ppd	•80 •56 •05	n u u o	7.65 .15	24.01	64.50	•56	•						
DEEP MI	Cold Ac ppm	3.22 2.22 4.00	52.25 11.00 64.00 127.25	20.11 11.00	61.33	42.60	4.60	l Iron ppd	• 0 3 • 0 2 • 0 5	4.83 .62 10.76 16.21	• 05	1.10	•51	•
	Hq	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ດ ດີດ ດີດ ດີດ ດີດ ດີດ ດີດ ດີດ ດີດ ດີດ ດ	6.2 7.2	3.9	6.9	6.4	Total ppm		1.19 .23 4.25 4.25	•11 2•71	4.07	• 35	• 40
	GPD	23,040	1,379,520	28,800 2,880	44,640	203,040	18,720	ous Iron ppm	••••	.35 .14 .46	• 05	• 04	60 .	• 13
	GPM	00100 1	441 144 373 958	20 2	31	141	13	Ferrous ppm	• 05 • 03 • 11	• 07 • 06 • 11 • 24	• 05	.10	• 06	.36 Taken
	Sta. No.	M3R5A M3R5B M3R5D M3R5	M3R9A M3R9B M3R9C M3R9C	M3R11 M3R13	M3R22	M3R30	M3R41		M3R5A M3R5B M3R5D M3R5	M3R9A M3R9B M3R9C M3R9C	M3R11 M3R13	M3R22	M3R30	M3R41 NT = Not

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

-388-

	Alkalinity ppm ppd	5 1.16	ľ	1	I	60.0	0 2.97	8 22.60	1	0 • 40	3 2.98	1	ss DDd	522	2.30	171.20 140.80	312.00	2.80	426.00	133.20	1,646.00	4.30	24	•	
	Alka ppm	13.7	ł	1	1	2.80	9.50	36.08	1	0 0 0	5.3	I	Hardnes pom	1122	65	317 283	600	37	291	211	426	74 500	40	222	
	Acidity ppd	1	• 0	7.41	31.01	ł	94.70	• 29	1,565.00	1,565.06	.37	347.54	ate ppd		1.18	172.60 119.80	4.	1.03	176.40	75.50	•	2.14 1.379.14	5.30	1,551.00	
AVERAGES	Hot Aci ppm	1	71.30	34.	106.00	1	14.70	2.00	466.70 67	467.37	.67	61.00	Sulfa ppm 1		27	303 266	569	16	205	142	ო	39 422]	13	217 1	-
MINE	cidity ppd	.91	69.28	.		• 36	14.52	20.73	818.78 1.00	• •	1.87	661.30	Iron ppd	4	• 05	1.00 .32	1.32	•01	4.84	•56		.01 1.11	.10	2.40	
DEEP	Cold Ac ppm	11.78		54.	158.10	11.00	16.40	35.40	200.70	1 m	5.44	71.20	Total I ppm p		66.	2.22 1.03	N.	.10	1.78	1.05	0 8 0	•13 25.53 8	• 32	2.70 2	
	Hd	5.7	3.4	Э	3 . 6	5•5	5 • 3	6.1	3.0 6.1	4.6 6	6.0	3 ° 2													
	GPD	5,760		(139,680	4,320	152,640	72,000		469,440	37,440	,009,440	Ferrous Iron ppm ppd	1	l	• 17	• 20	I	•06	•04	9.03	9.03	•01	5.80	
	GPM	4	50	4 /	1.6	ო	106	50	322 4	326	26	701 I	Ferr ppm		•04	.06	07.	• 03	• 06	• 08	1.55 0.4	.04 1.59	• 03	.17	
	Sta. No.	M4R3	M4R15A	M4KIDC	ИЧКІЗ	M4R19	M4R21	M4R22	M4R29B M4R29D	M4R29	M4R32	M4R35			M4R3	M4R15A M4R15C W4P5	CTNPM	M4R19	M4R21	M4R22	M4R29B M4R29D	M4R29	M4R32	M4R35	-

-389-

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

Alkalinity ppm ppd	0 1.18	, I	40 7.00	1	I	1	1	71 .35	1	1	00 .55	5 2.75	s Dd	29.60	361.70	67.30	.577.00	48.	,271.00 .896.20	•	731,40	266.25	19.12	0
Alka	10.00	1	33.4	1	I	1	1	36.7	1	1	3.0	50.7	Hardness ppm pp	82	315	313	498 8	7	492 1 1,337.9	145	393	528	154	205
.dity .ppd	• 66	88.36	i	•4	. 3	279.56	51.4	I	60.93	86.78	.81	8		• 70	• 70	• 20	•	•		• 73	• 90	.61	•53 <u>,</u>	•36
Hot Acidity ppm ppd	3.00	85.00	1	109.00	35.70	102.00	246.70	ΤN	43.30	460.00	8.00	TN	Sulfate ppm ppd	9 5	1 296	4 46	6,4	•	0 874 9 7,402		2 515	5 188	9 4	4 7
Acidity ppd	3.46	61.37	6.21	਼	਼	223.69	14.7	•12	155.48	235.62	2.71	• 49	Sul: ppm	N	27	22	S	S	35 92	7	30	47.	1	164
Cold Aci ppm	10.30	56.20	27.30	1.60	з .	84.10	9.10	14.00	72.40	428.89	14.11	9.25	tal Iron m ppd	.12 .28	.28 2.40	• 90 • 64	.50 29.50	о • 0	.40 6.30 .63 35.89	.10 .01	.51 4.80	.32 8.08	.45 .04	.55 .03
Hd	1,360 5.6	,400 3.7	,800 6.4				,840 3	.,440 6.9	.,280 3.1	,960 3.2	,040.4.9	,200 7.3	Tota ppm	Ļ		e.	5		0 10	2	2	17.	-	-
GPD	9 27	0 158	0 28	5	CJ		1 2,535	1	2 161	4 48	6 23	5 7	ous Iron ppd	• 01	• 11	•02	9.04	.01	.48 9.53	ł	.90	• 63	•02	I
• GPM	T	110	2(1 , 532	T	217	1, 76]	, ,	112	34	16	ريت	Ferrous ppm	. 05	• 00	• 08	.21	•07	.45	• 0.7	• 23	1.51	• 08	. Taken
Sta. No.	M4R37	M4R44	M4R51	M4R59A	M4R59B	M4R59F	M4R59	M4R76	M4R91	M4R95	M4R96	M4R97		M4R37	M4R44	M4R51	M4R59A	M4R59B	M4R59F M4R59	M4R76	M4R91	M4R95	M4R96	M4R97 NT = Not

-390-

3.26 **1.**26 • 68 33.64 34.13 67.77 1,792.00 .96 • 35 2.57 .37 •24 .23 I I I ł pbdd Alkalinity ł I Ĩ 1 pdd Hardness 10.0 7.5 48.6 24.4 5.2 7.5 mdd ł I I I I mdd 30 33 12 τN ΤN 335 324 659 645 ΤN TN7.80 8.21 16.01 4.36 1,453.00 ŀ I I I 1 pdd Hot Acidity 2.96 .86 • 72 2.19 22.03 45.03 67.06 27.47 .10 2,166.00 3.11 91**.**00 90**.**00 22.67 L81.00 580.00 ΤN ΤN τN τN ΞN τN undd pdd mdd Sulfate 22 14 25 29 614 32 228 275 502 88 \mathfrak{m} l.44 5.15 11.02 •45 •24 .76 •42 .15 16.17 1,105.00 **1.05** Cold Acidity ppd .10 .01 •05 .34 .27 •24 .80 1.04 • 06 • 03 280.81 4.75 8.50 56.29 6.00 9.40 21.00 pdd 28.44 7.00 48.42 296.11 Total Iron 104.71 mdd .87 • 28 1.50 9.04 2.30 3.77 5.36 9.13 4.06 **1.4**0 85.59 mdd 3.7 6.7 6.0 6.8 6.4 3.5 3.5 3.6 5.3 6.1 3.1 Нd 7,200 4,320 7,200 5,760 7,200 36,000 5,760 5,760 465,120 Ferrous Iron • 01 .08 .18 37.36 • 04 •07 • 02 • 03 pdd GPD .16 •06 .02 2.50 •44 1.90 .30 .74 • 74 GPM .22 **1.**33 mdd ഗ NT_{\sim})Not Taken \mathcal{C} 5 4 5 5 16 25 323 4 4 Sta. No. M4R143 M4R100 M4R142 M4R100 M4R143 M4R142 M4R98 M4R99 M7R6A M7R6B M7R6B M9R28 M4R99 M7R24 M4R98 M7R6A M7R6 M7R24 M9R28 M7R7 M7R6 M 7R 7

Sta. No. M9R29 M9R30	GPM 125 Ferr	GF 0U	2,880 2,880 80,000 1s Iron	рн 6•3 6	Cold Acidity ppm ppd 13.75 .38 7.50 45.08 Total Iron	cidity ppd • 38 45.08 Iron	Hot Acidity ppm ppd NT - NT - Sulfate	idity ppd a	Alkalinity ppm ppd 10.0 .2 8.5 51.0 Hardness	Alkalinity ppm ppd 10.0 .26 8.5 51.08 fardness
lot 1	M9R29 4.10 M9R30 .05 NT = Not Taken	2 0	рра • 05 • 30		ppm ppd 20.15 .24 .08 .45	рра • 24 • 45	ррт 71 35	ppd 2.2		ġ

-392-