

APPENDIX II

WATER ANALYSIS RESULTS

SAMPLE STATION <u>W-1</u> ZONE F										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Aug. 15, 1973	2.97M	5.5	58	1429	0	0	1.1	27	120	2045
Sept. 5, 1973	1.39M	3.1	190	2192	0	0	43	495	450	5180
Sept. 19, 1973	.40M	3.0	220	720	0	0	11	36	570	1865
Oct. 2, 1973	0.50M	3.0	130	540	0	0	2.9	12	400	1600
Oct. 22, 1973	0.50M	3.1	100	415	0	0	3.1	12	350	1400
Nov. 5, 1973	1.49M	3.5	36	446	0	0	0.6	7	110	1283
Nov. 18, 1973	0.762M	3.1	62	392	0	0	1.0	6.3	210	1332
Dec. 4, 1973	0.301M	2.9	52	130	0	0	2.01	5	165	413
TOTAL	8.31M			6274	0	0		600		16018
MEAN	1.04M			784	0	0		75		2002

M-Million

SAMPLE STATION <u>W-2</u> ZONE F										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Aug. 15, 1973	-	3.7	32	-	0	0	0.4	-	96	-
Sept. 5, 1973	0.286M	2.9	220	522	0	0	43	101	410	963
Sept. 19, 1973	0.185M	3.0	220	337	0	0	11	17	460	711
Oct. 2, 1973	-	3.1	110	-	0	0	2.7	-	250	-
Oct. 22, 1973	0.258M	3.1	110	235	0	0	1.2	3	250	625
Nov. 5, 1973	-	3.2	49	-	0	0	0.6	-	110	-
Nov. 18, 1973	-	3.2	64	-	0	0	0.3	-	140	-
Dec. 4, 1973	0.938	2.8	82	638	0	0	3.7	28	155	1211
TOTAL	1.667M			1732				149		3510
MEAN	.417M			433				37		877

M-Million

SAMPLE STATION <u>W-3</u> ZONE D										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Aug. 30, 1973	-	3.1	170		0	0	26	-	300	-
Sept. 5, 1973	.787M	2.9	240	1567	0	0	0.2	6	410	2733
Sept. 19, 1973	.489M	3.9	48	184	0	0	0.3	1	220	
Oct. 2, 1973	1.46M	4.0	25	302	0	0	0.1	1	140	1400
Oct. 22, 1973	0.26M	4.0	34	73	0	0	0.1	.2	200	400
Nov. 5, 1973	0.66M	4.2	22	121	0	0	<0.1	.5	130	650
Nov. 19, 1973	3.014M	5.4	30	750	0	0	<0.1	52	170	4268
Dec. 4, 1973	0.55M	3.5	34	155	0	0	.588	2.7	110	502
TOTAL	7.22M			2162				63.4		10637
MEAN	1.03M			452				9.0		1526

M-Million

SAMPLE STATION <u>W-5</u> N. BRANCH BEAR CREEK										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Aug. 15, 1973	-	4.2	18	-	0	0	0.4	-	100	-
Sept. 5, 1973	-	3.9	46	-	0	0	36	-	180	-
Sept. 19, 1973	3.01M	3.0	240	5995	0	0	12	300	620	15500
Oct. 2, 1973	0.50M	2.9	150	622	0	0	5	21	440	1848
Oct. 22, 1973	0.50M	2.9	150	622	0	0	4	17	470	2000
Nov. 5, 1973	0.41M	3.3	60	205	0	0	0.3	1	180	600
Nov. 18, 1973	4.42M	3.1	90	3301	0	0	1.3	48	260	9572
Dec. 4, 1973	3.69	2.8	84	2572	0	0	3.96	121	230	7069
TOTAL	12.53M			13317				508		25580
MEAN	2.08M			2219				84.7		6098

M-Million

SAMPLE STATION <u>W-5</u> ZONE A										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Aug. 30, 1973	-	6.9	0	0	0	0	0.2	-	680	-
Sept. 5, 1973	50,000	6.8	0	0	0	0	0.2	0	750	311
Sept. 19, 1973	29,000	6.7	0	0	10	2	0.2	0	790	311
Oct. 2, 1973	61,000	6.5	11	5	0	0	0.1	0	640	224
Oct. 22, 1973	61,000	6.3	0	0	19	10	0.1	0	660	230
Nov. 5, 1973	224,640	6.2	0	0	22	41	0.1	0.2	4.50	836
Nov. 18, 1973	109,000	6.8	0	0	22	20	0.1	0.1	460	417
Dec. 5, 1973	219,000	6.5	26	47	68	123	1.2	2.2	450	820
TOTAL	753,640			52		196		2.5		3340
MEAN	107,662			6.5		24		.8		478

SAMPLE STATION <u>W-5</u> ZONE A										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Sept. 5, 1973	.101M	6.7	0	0	1	2	0.5	0.5	250	210
Sept. 19, 1973	3.12M	6.7	0	0	0	0	0.2	5	210	8079
Oct. 2, 1973	-	6.4	4	-	0	-	0.1	-	210	-
Oct. 22, 1973	-	6.1	0	-	7	-	0.1	-	230	-
Nov. 5, 1973	-	5.9	0	-	1	-	<0.1	-	150	-
Nov. 18, 1973	-	6.6	0	-	3	-	<0.1	-	170	-
Dec. 5, 1973	.762	6.0	14	88	86	543	.146	.92	160	1011
TOTAL	4.00 M			88		545		6.42		3300
MEAN	1.33 M			29		181		2.14		2100

M-Million

SAMPLE STATION <u>W-7</u> ZONE B										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Aug. 24, 1973	.005M	5.0	14	6	0	0	9.0	4	150	66
Sept. 19, 1973	1.98 M	3.6	28	461	0	0	0.6	10	210	3500
Oct. 3, 1973	0.024M	5.8	4	1	0	0	0.2	.05	86	21
Oct. 22, 1973	0.07 M	5.2	9	5	0	0	2.3	1.2	100	52
Nov. 5, 1973	0.01 M	5.9	.0	0	0	0	0.2	.02	22	2
Nov. 18, 1973	0.312	6.6	6	16	0	0	0.1	0.26	31	80.3
Dec. 5, 1973	0.271	6.0	12	27	12	27	.588	1.3	30	675
TOTAL	2.672			516		27		23.8		4396
MEAN	.382M			73		3.85		3.4		628

M-Million

SAMPLE STATION <u>W-3</u> ZONE E										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Sept. 5, 1973	.787M	7.2	0	-	18	118	0.1	0.65	29	188
Sept 19, 1973	.061M	6.9	0	0	24	12	0.2	0.10	14	7
Oct. 3, 1973	.207M	6.6	0	0	18	31	0.1	0.20	12	24
Oct. 22, 1973	.061M	6.5	0	0	27	14	0.1	0.05	10	5
Nov. 5, 1973	0.31 M	6.0	0	0	8.	21	<0.1	0.2	24	60
Nov. 18, 1973	0.207M	6.5	0	0	11	19	<0.1	0.17	14	24
Dec. 4, 1973	0.362M	5.8	6	18	18	54	.144	0.44	45	135
TOTAL	1.995M			18		269		3.61		443
MEAN	0.285M			3		38.4		.52		63

M-Million

SAMPLE STATION <u>W-7</u> ZONE A										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Aug. 30, 1973	-	6.8	0	0	12.0	0	0.3	-	58	-
Sept. 5, 1973	.285M	6.7	0	0	13	31	0.1	0.33	21	250
Sept. 19, 1973	.101M	6.7	0	0	12	10	0.2	0.16	170	1-1
Nov. 5, 1973	.50 M	6.1	0	0	0	0	<0.1	.04	53	22
Nov. 18, 1973	-	6.8	0	0	2	-	<0.1	-	94	-
Dec. 5, 1973	.50M	6.2	10	43	22	91	0	0	80	332
TOTAL	1.387M			43		132		0.70		746
MEAN	.347M			11		33		0.17		186

M-Million

SAMPLE STATION <u>41 in</u> ZONE C STRIP MINE - 16										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	16,500	4.2	97	13.3				1.7		29.4
Aug. 30, 1973	-	3.2	570	-	0	0	9	-	380	-
Sept. 5, 1973	-	3.2	120	-	0	0	23	-	370	-
Sept. 19, 1973	5,000	3.2	110	5	0	0	2.3	0.1	370	17
Oct. 3, 1973	3,000	3.3	80	2	0	0	0.6	0.01	290	7.25
Oct. 22, 1973	10,000	3.3	72	6	0	0	1.0	0.08	290	24
Nov. 5, 1973	20,000	3.2	86	43	0	0	0.4	0.20	280	140
Nov. 18, 1973	50,000	3.3	70	29	0	0	0.5	0.2	240	99.6
TOTAL	104,500			98.3				2.29		317
MEAN	17,416			16.38				0.381		52.3

SAMPLE STATION <u>42 in</u> ZONE B STRIP MINE-17										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	23,300	3.7	225	43.5				1.9		67.4
Aug. 30, 1973	-	3.0	240	-	0	0	8	-	640	-
Sept. 5, 1973	-	3.0	210	-	0	0	4.5	-	650	-
Oct. 3, 1973	3,000	3.6	52	1.3	0	0	0.3	0	210	5.2
Oct. 22, 1973	1,000	3.3	180	1.5	0	0	2.7	0	610	5
Nov. 5, 1973	101,000	3.4	100	135	0	0	0.2	0.16	260	350
Nov. 19, 1973	25,000	3.7	74	15	0	0	<0.1	0.02	280	58.1
TOTAL	153,300			196.3				2.08		418.3
MEAN	30,660			39.2				0.69		83.6

SAMPLE STATION <u>43 in</u> ZONE B STRIP MINE-17										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	1900	5.8	25	0.4	-	-	-	0.3		- .7
Aug. 30, 1973	-	5.6	30	-	0	0	1.7	-	130	-
Sept. 5, 1973	-	4.9	17	-	0	0	23	-	390	-
Sept. 19, 1973	2000	4.2	23	0.4	0	0	0.4	0	480	8
Oct. 3, 1973	2000	4.1	30	0.5	0	0	0.2	0	390	6
Oct. 22, 1973	1000	4.5	14	0.1	0	0	0.1	0	350	2
Nov. 5, 1973	3153	4.4	25	0.6	0	0	0.1	0	400	10.2
Nov. 19, 1973	2000	4.2	15	0.3	0	0	0.2	0	420	7
TOTAL	12053			2.3				.3		33.3
MEAN	2008			0.38				0		6.14

SAMPLE STATION <u>45 in</u> ZONE B - STRIP MINE - 16										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	3,700	3.3	330	11.1	0	0		0.7		27.7
Aug. 30, 1973	-	3.1	280	-	0	0	68	-	1100	-
Sept. 5, 1973	-	3.0	310	-	0	0	43	-	1100	-
Sept. 19, 1973	3,700	3.0	300	9	0	0	15	0.45	1100	33
Oct. 3, 1973	3,000	2.9	280	7	0	0	8.0	0.16	1100	27
Oct. 22, 1973	1,000	2.7	240	2	0	0	12	0.00	1200	10
Nov. 5, 1973	3,153	2.9	250	6	0	0	5.0	0.10	860	22
Nov. 19, 1973	4,000	3.0	290	9	0	0	8.0	0.26	990	33
TOTAL	18,553			44.1				1.67		152.7
MEAN	3,092			7.35				0.33		30.5

SAMPLE STATION <u>45 in</u> ZONE B - STRIP MINE - 16										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	2,400	3.4	600	11.7	0	0		1.0	-	19.1
Aug. 30, 1973	-	2.8	400	-	0	0	91		1300	-
Sept. 5, 1973	-	2.9	360	-	0	0	130		1200	-
Sept. 19, 1973	2,400	2.9	400	8			47	2.6	1300	26
Oct. 3, 1973	1,000	2.7	330	3	0	0	37	0.3	1200	10
Oct. 22, 1973	500	2.7	320	1	0	0	45	0.1	1200	5
Nov. 5, 1973	3,153	2.9	350	9	0	0	6.9	0.2	1000	26
Nov. 19, 1973	4,000	2.7	370	12	0	0	34	1.1	1200	39.3
TOTAL	13,453			44.7				5.3		125.4
MEAN	2,242			7.45				0.88		20.3

SAMPLE STATION <u>45 in</u> ZONE B - STRIP MINE - 16										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	64,600	3.7	76	40.8	0	0	-	2.2		66.4
Aug. 30, 1973	-	3.1	54	-	0	0	1.2	-	100	-
Sept. 5, 1973	-	3.3	79	-	0	0	2.8	-	100	-
Sept. 19, 1973	14,000	3.4	100	11	0	0	1.8	0.2	220	26
Oct. 3, 1973	61,000	3.8	25	12	0	0	0.3	0.1	70	37
Oct. 22, 1973	29,000	3.6	42	10	0	0	0.4	0.1	130	31
Nov. 5, 1973	200,160	3.9	22	36	0	0	<0.1	0.1	60	100
TOTAL	368,760			109.8				2.7		260.-
MEAN	73,752			21.96				0.5		52.05

SAMPLE STATION <u>7-11</u> ZONE B - STRIP MINE - 16										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	16,500	3.6	430	60.4	0	0		6.9		122.0
Aug. 30, 1973	-	2.9	280	-	0	0	49	-	880	-
Sept. 5, 1973	-	2.8	320	-	0	0	79	-	890	-
Sept. 19, 1973	6,000	2.9	290	14	0	0	25	1.20	960	48
Oct. 3, 1973	22,000	3.1	140	25	0	0	34	6.00	520	94
Oct. 22, 1973	6,000	2.8	270	14	0	0	27	1.40	870	43
Nov. 5, 1973	24,048	2.9	230	46	0	0	10	2.00	730	145
TOTAL	74,548			159.4				17.5		453
MEAN	14,909			32				3.5		90.6

SAMPLE STATION <u>-2-11</u> ZONE B - STRIP MINE - 16										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	11,000	5.7	32	3	0	0		0.2		3.2
Aug. 30, 1973	-	4.0	14	-	0	0	0.3	-	29	-
Sept. 5, 1973	DRY									-
Sept. 19, 1973	DRY									-
Oct. 3, 1973	2,000	3.7	40	1	0	0	0.3	0	120	2
Oct. 22, 1973	500	3.4	22	1	0	0	0.1	0	65	.2
Nov. 5, 1973	24,048	4.0	14	3	0	0	0.2	0	29	6
Nov. 19, 1973	25,000	4.0	14	3	0	0	<0.1	0.02	26	5.4
TOTAL	62,548			11				0.22		16.8
MEAN	8,935			2.2				0.11		3.5

SAMPLE STATION <u>-2-11</u> ZONE B - STRIP MINE - 17										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	16,500	3.9	170	23	0	0		1.40		4.4
Aug. 30, 1973	-	3.3	7-	-	0	0	1.5	-	300	-
Sept. 5, 1973	-	3.5	82	-	0	0	0.0	-	240	-
Sept. 19, 1973	37,000	3.0	92	30	0	0	0.6	0.20	370	113
Oct. 3, 1973	17,000	3.3	93	14	0	0	0.4	0.06	320	45
Oct. 22, 1973	6,000	3.2	71	3	0	0	0.5	0.02	320	16
Nov. 5, 1973	30,600	3.5	56	18	0	0	0.2	0.06	250	82
Nov. 19, 1973	17,000	3.4	68	10	0	0	0.2	0.02	330	46.5
TOTAL	133,100			98				1.76		307
MEAN	22,183			17				0.30		51

SAMPLE STATION 51 in ZONE E - STRIP MINE - 10										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	5,900	3.3	340	17.3	0	0		0.8		35.7
Aug. 30, 1973	-	2.9	230	-	-	-	14	-	670	-
Sept. 5, 1973	-	3.1	120	-	-	-	16	-	670	-
Sept. 19, 1973	3,500	3.2	72	2	0	0	2.4	0.06	610	18
Oct. 2, 1973	6,000	3.6	56	3	0	0	0.5	0.02	660	33
Oct. 22, 1973	5,000	3.3	94	4	0	0	0.8	0.03	610	25
Nov. 5, 1973	8,712	3.4	66	3	0	0	0.3	0.02	620	45
Nov. 19, 1973	10,000	3.4	64	5.3	0	0	5.7	0.47	600	49.8
TOTAL	39,112									
MEAN	6,518			36.6				1.40		206.1
				6.1				0.23		34.35

SAMPLE STATION 51 in ZONE E - STRIP MINE - 11										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	16,500	3.4	181	26.6	0	0		3.9		106.7
Aug. 30, 1973	-	4.4	90	-	-	-	28	-	670	-
Sept. 5, 1973	-	3.4	88	-	-	-	0.7	-	270	-
Sept. 19, 1973	6,600	3.0	360	20	-	-	21	1.2	870	47
Oct. 2, 1973	5,000	2.9	360	15	0	0	13	0.5	840	35
Oct. 22, 1973	5,000	2.9	280	12	0	0	14	0.6	880	36
Nov. 5, 1973	5,515	2.6	610	28	0	0	53.	2.4	1200	55
Nov. 19, 1973	4,000	2.8	460	15	0	0	38	1.26	730	24.2
TOTAL	42,615									
MEAN	7,102			116.6				9.86		303.2
				19.4				1.64		50.6

SAMPLE STATION 52 in ZONE E - STRIP MINE - 11										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	5,900	4.0	126	6.2	0	0		0.2		15.8
Aug. 30, 1973	-	3.5	88	-	-	-	0.7	-	330	-
Sept. 5, 1973	-	4.2	91	-	-	-	0.8	-	650	-
Sept. 19, 1973	3,700	3.6	77	2	0	0	1.2	0.03	280	3
Oct. 2, 1973	1,000	3.4	80	1	0	0	0.3	0.00	310	2.6
Oct. 22, 1973	2,000	3.3	95	2	0	0	0.7	0.01	310	5
Nov. 5, 1973	3,152	3.3	140	4	0	0	0.2	0.02	460	11
Nov. 19, 1973	3,500	3.5	82	2.4	0	0	0.5	0.01	310	9
TOTAL	19,252									
MEAN	3,200			17.6				0.27		51.4
				2.9				0.04		3.7

SAMPLE STATION 55 in ZONE B STRIP MINE - 11										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	6,600	4.8	193	10.6	-	-	-	2.7	-	31.0
Aug. 30, 1973	-	3.1	110	-	-	-	2.9	-	330	-
Sept. 5, 1973	-	3.1	290	-	-	-	37	-	670	-
Sept. 19, 1973	8,000	3.3	120	8	0	0	2.2	0.14	360	24
Oct. 2, 1973	5,000	3.2	110	5	0	0	1.5	0.07	370	-
Oct. 22, 1973	2,000	3.2	110	2	0	0	0.9	0.02	340	15
Nov. 5, 1973	24,048	3.2	100	20	0	0	0.6	0.12	290	53
Nov. 19, 1973	8,000	3.3	90	6	0	0	<0.1	0.00	300	20
TOTAL	53,648			51.6				3.05		148.4
MEAN	8,941			8.6				0.50		29.66

SAMPLE STATION 57 in ZONE D STRIP MINE - 12										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	2,400	6.8	10	0.2	30	0.6		0.0		0.3
Aug. 30, 1973	-	4.6	20	-	0	0	1.3	-	120	-
Sept. 5, 1973	-	5.4	11	-	0	0	1.1	-	100	-
Oct. 2, 1973	-	4.0	12	-	0	0	.1	-	120	-
Oct. 22, 1973	2,000	5.3	0	0	0	0	0	0	89	1.5
Nov. 5, 1973	5,515	6.0	0	0	10	1	<0.1	.004	29	1.3
Nov. 20, 1973	4,000	4.6	11	.36	0	0	<0.1	.00	100	3.3
TOTAL	13,915			0.56		1.6		0.00		6.4
MEAN	3,478			0.28		0.2		0.00		1.6

SAMPLE STATION 60 in ZONE B STRIP MINE - 11										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	31,000	3.8	117	30.1	0	0		8.10		43.4
Aug. 30, 1973	-	3.3	140	-	0	0	1.3	-	330	-
Sept. 5, 1973	-	2.9	140	-	0	-	34	-	270	-
Sept. 19, 1973	25,000	3.0	120	25	0	0	6	1.25	280	-
Oct. 2, 1973	22,000	3.0	82	15	0	0	1.7	0.31	210	38.0
Oct. 22, 1973	22,000	3.1	66	12	0	0	1.7	0.30	170	31.0
Nov. 5, 1973	72,432	3.3	44	26	0	0	0.2	0.11	160	36.0
Nov. 20, 1973	29,000	2.9	94	23	0	0	2.5	0.60	220	53.0
TOTAL	201,432			131				10.67		261.3
MEAN	33,572			21.5				1.73		43.5

SAMPLE STATION <u>06</u> in <u>FOUR E - GAS WELL</u>										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	11,000	3.1		65.4	0	0		4.6	-	110
Aug. 30, 1973	-	2.7	490	-	0	0	82		1200	-
Sept. 5, 1973	-	2.7	490	-	0	0	88		1100	-
Sept. 19, 1973	25,000	2.8	530	110	0	0	57	12	1200	250
Oct. 2, 1973	17,000	2.7	420	60	0	0	51	7	1100	155
Oct. 22, 1973	17,000	2.7	370	52	0	0	45	6	1100	155
Nov. 5, 1973	17,856	2.7	400	60	0	0	35	5	990	147
Nov. 19, 1973	10,000	4.4	370	30	0	0	35	3	1000	83
TOTAL	97,856			377				37		
MEAN	16,309			63				6.0		

SAMPLE STATION <u>07</u> in <u>FOUR E - GAS WELL</u>										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	2,100	3.5		9.6	0	0		0.90		21.3
Aug. 30, 1973	-	2.9	500	-	0	-	35	-	1600	-
Sept. 4, 1973	-	2.7	540	-	0	-	90	-	1500	-
Sept. 19, 1973	4,500	3.4	46	1.7	0	0	1	0.03	310	12
Oct. 3, 1973	1,000	2.9	440	3.6	0	0	22	0.2	1700	14
Oct. 22, 1973	1,000	2.7	360	3.0	0	0	23	0.2	1600	13
Nov. 5, 1973	3,153	2.7	430	11	0	0	17	0.4	1300	34
Nov. 19, 1973	3,000	4.6	220	5.5	0	0	25	0.62	720	17.00
TOTAL	14,753			34.4		0		2.35		112.25
MEAN	2,458			5.7		0		0.39		18.70

SAMPLE STATION <u>08</u> in <u>FOUR E - GAS WELL</u>										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	16,600	3.2	712	119.6	0	0		6.9		152
Aug. 30, 1973	-	2.7	450	-	0	0		-	920	-
Sept. 4, 1973	-	2.9	450	-	0	0		-		-
Sept. 19, 1973	8,000	2.9	460	30	0	0	23	1.5	1400	33
Oct. 2, 1973	11,000	2.8	560	51	0	0	19	1.7	1200	110
Oct. 22, 1973	12,000	2.9	400	40	0	0	17	1.7	1100	110
Nov. 5, 1973	31,248	2.9	320	82	0	0	10	2.6	710	135
Nov. 19, 1973	12,000	4.7	420	42	0	0	16	1.6	910	80.6
TOTAL	90,848			364				16		133.6
MEAN	15,141			60.70				2.66		188.5

SAMPLE STATION <u>70 in</u> ZONE E - STRIP MINE - 11										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	3,700	4.1	1200	38.5	-	-	-	1.5	-	16.5
Aug. 30, 1973	-	2.7	740	-	0	0	71	-	1500	-
Sept. 4, 1973	-	2.7	810	-	0	0	92	-	1700	-
Sept. 19, 1973	6,000	2.9	760	38	0	0	56	2.8	1800	39
Oct. 2, 1973	4,000	2.8	740	24	0	0	49	1.6	1400	16
Oct. 22, 1973	5,000	2.8	670	28	0	0	52	1.2	1700	70
Nov. 5, 1973	3,153	2.7	660	17	0	0	42	1	1500	40
Nov. 19, 1973	6,000	4.6	650	32	0	0	46	2.3	1000	50
TOTAL	27,853			177				10.4		341
MEAN	4,642			29.6				1.7		56.3

SAMPLE STATION <u>71 in</u> ZONE E - STRIP MINE - 11										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	20,100	3.3	280	47	0	0		8.4		150
Aug. 30, 1973	-	2.8	450	-	0	0	92	-	900	-
Sept. 5, 1973	-	2.7	260	-	0	0	33	-	860	-
Sept. 19, 1973	-	2.9	270	-	0	0	41	-	1000	-
Oct. 2, 1973	4,000	2.7	210	7	0	0	21	0.7	700	23
Oct. 22, 1973	500	2.8	220	1	0	0	30	0.13	850	2
Nov. 5, 1973	3,153	2.8	110	3	0	0	8.3	0.21	550	14
Nov. 18, 1973	3,000	2.7	250	6.2	0	0	31	0.77	880	22
TOTAL	30,753			64.2				10.21		212
MEAN	6,153			12.8				2.04		35

SAMPLE STATION <u>72 in</u> ZONE E - STRIP MINE - 11										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	7,800	3.2	710	45.5	0	0		3.20		69
Aug. 30, 1973	-	2.7	120	-	0	0	22	-	1000	-
Sept. 5, 1973	-	2.7	500	-	0	0	17	-	1000	-
Sept. 19, 1973	-	2.9	730	-	0	0	33	-	1000	-
Oct. 2, 1973	4,000	2.8	680	23	0	0	30	1.00	1200	18
Oct. 22, 1973	3,000	2.5	380	9	0	0	18	0.42	660	16
Nov. 5, 1973	5,515	2.8	360	16	0	0	13	0.57	670	30
Nov. 19, 1973	3,000	2.8	530	13.2	0	0	25	0.62	1000	25
TOTAL	23,315			106.7				5.81		182
MEAN	4,663			21.1				1.16		36.2

SAMPLE STATION 73 IN ZONE E - STRIP MINE - 11										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	7,100	4.9	20	1.2	0	0		0.5		3.0
Aug. 30, 1973	-	5.5	16	-	-	-	10	-	300	-
Sept. 4, 1973	-	6.1	0	-	88	-	33	-	210	-
Sept. 19, 1973	500	6.2	0	0	39	.16	1.0	0	290	1
Oct. 2, 1973	500	4.9	21	0	0	0	0.1	0	390	2
Oct. 22, 1973	500	6.0	0	0	21	.10	0.2	0	350	1
Nov. 5, 1973	3,153	3.2	170	4	0	0	1.1	.02	580	15
Nov. 19, 1973	500	2.8	770	3.2	0	0	38	0.15	1500	6.2
TOTAL	12,253			8.4		.26		0.67		29.1
MEAN	2,040			1.4		.04		0.11		4.0

SAMPLE STATION 74 IN ZONE E - STRIP MINE - 11										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	13,500	3.4	320	35.5	0	0		3.5		112
Aug. 30, 1973	-	2.8	150	-	0	0	94	-	1200	-
Sept. 4, 1973	-	3.1	500	-	0	0	150	-	1200	-
Sept. 19, 1973	17,000	2.9	590	83	0	0	57	8	1100	-
Oct. 2, 1973	17,000	2.7	290	41	0	0	51	7.2	1100	155
Oct. 22, 1973	17,000	2.6	510	72	0	0	60	8.4	1100	155
Nov. 5, 1973	24,048	2.6	520	104	0	0	51	10	1200	239
Nov. 19, 1973	25,000	2.6	540	112	0	0	60	12.5	1100	228
TOTAL	113,548			447.5				49.6		889
MEAN	18,924			74.8				3.3		179

SAMPLE STATION 75 IN ZONE E - STRIP MINE - 11										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Nov. 1, 1972	30,900	3.4	265	68.2	0	0		12.00		170
Aug. 30, 1973	-	2.8	430	-	0	-	45	-	870	-
Sept. 4, 1973	-	2.7	450	-	-	-	-	-	-	-
Sept. 19, 1973	5,000	2.8	450	19	0	0	3.0	0.14	210	35
Oct. 2, 1973	5,000	2.7	430	18	0	0	21	1.28	340	30
Oct. 22, 1973	-	2.7	270	-	0	0	37	-	370	-
Nov. 5, 1973	3,153	2.7	240	0	0	0	22	0.60	730	18
Nov. 19, 1973	5,000	2.7	320	13	0	0	24	1	720	30
TOTAL	49,053			127.2				15.91		803
MEAN	9,810			25.5				3.18		160

SAMPLE STATION _____										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Sept. 19, 1973	-	3.2	130	-	0	0	2.0	-	440	-
Oct. 2, 1973	-	3.0	75	-	0	0	0.6	-	340	-
Oct. 22, 1973	-	2.8	74	-	0	0	0.9	-	380	-
Nov. 5, 1973	-	3.6	32	-	0	0	0.1	-	150	-
Nov. 18, 1973	-	3.4	50	-	0	0	0.1	-	230	-
Dec. 5, 1973	-	3.4	46	-	0	0	1.362	-	215	-
TOTAL			407		0		5.06		1755	
MEAN			68		0		0.84		292	

SAMPLE STATION 77 - BOND MOHAWK MINING COMPANY										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Sept. 19, 1973	-	2.8	720	-	0	0	110	-	950	-
Oct. 3, 1973	70,000	3.1	80	-	0	0	25	-	120	-
Oct. 22, 1973	-	2.5	320	-	0	0	30	-	460	-
Nov. 5, 1973	-	2.9	130	-	0	0	< 0.1	-	160	-
Nov. 18, 1973	-	4.7	160	-	0	0	5.7	-	200	-
TOTAL			1410		0		170		1890	
MEAN			282		0		34		378	

SAMPLE STATION 78 - TONE C - DEWATERED RUN										
DATE	FLOW GPD	pH	ACIDITY		ALKALINITY		TOTAL IRON		SULFATES	
			mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d	mg/l	lbs/d
Oct. 3, 1973	-	2.5	24	-	0	0	0.2	-	175	-
Oct. 22, 1973	-	2.5	70	-	0	0	0.2	-	330	-
Nov. 5, 1973	-	3.5	13	-	0	0	0.1	-	210	-
Nov. 19, 1973	-	3.4	56	-	0	0	0.2	-	320	-
TOTAL			207				1.40		985	
MEAN			52				0.35		246	