

## APPENDIX B

ACID MINE DRAINAGE PROJECT                      SAMPLING STATION NO. 1  
 BIG SCRUBGRASS CREEK WATERSHED              LOCATION: Rt. 308, .6 mi. from junction of Rts. 8 & 308

DATE	GPM	PH	PPM				PPD						
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4			
11-20-70		6.4	10	10	.05	44							
12-17-70		6.6	10	5	.05	35							
01-04-71		6.5	10	5	.05	30							
02-05-71		6.9	--	20	.05	50							
02-17-71		6.2	10	20	.05	40							
02-22-71		6.5	5	30	.05	20							
03-25-71	360	6.6	5	3	.05	38	22	13	.2	160			
05-03-71	310	6.8	3	20	.05	48	11	74	.2	180			
06-01-71	260	6.8	3	30	.05	50	9.4	94	.2	156			
<del>10-18-71</del>	270	6.9	--	40	.05	40	--	130	.2	130			
11-18-71	280	6.8	3	40	.05	42	10	130	.2	140			
01-20-72	330	6.9	--	40	.05	32	--	160	.2	130			
02-11-72	460	6.7	3	20	.05	37	17	110	.3	230			
03-15-72	650	6.6	5	20	.05	41	39	160	.4	320			
04-03-72	460	6.3	10	40	.05	41	55	220	.3	230			
04-17-72	450	6.3	10	30	.05	36	54	160	.3	190			
05-04-72	440	5.8	10	30	.05	31	53	160	.3	160			

## ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 2

## BIG SCRUBGRASS CREEK WATERSHED

LOCATION: Route 308, 1.3 mi. from junction of Rts. 8 &amp; 308

DATE	GPM	PH	PPM				PPD					
			ACD	ALK	FE	SO <sub>4</sub>	ACD	ALK	FE	SO <sub>4</sub>		
11-20-70		6.8	5	30	.05	10						
12-17-70		6.7	3	7	.05	11						
01-04-71		6.6	5	7	.05	10						
02-05-71		7.0	--	60	.05	10						
02-17-71		6.7	3	45	.05	9						
02-22-71		6.6	3	20	.05	7						
03-25-71	130	6.6	5	30	.05	12	7.8	47	.08	19		
05-03-71	120	6.8	3	50	.05	12	4.3	72	.07	17		
06-01-71	100	6.8	3	70	.05	8	3.6	84	.06	9.6		
10-18-71	100	6.8	3	80	.05	7	3.6	96	.06	8.4		
11-18-71	100	6.8	3	85	.05	6	3.6	102	.06	7.2		
01-20-72	120	7.1	--	80	.05	6	--	115	.07	8.6		
02-11-72	170	6.9	--	70	.05	9	--	140	.1	18		
03-15-72	240	6.7	--	40	.05	14	--	115	.1	40		
04-03-72	170	6.8	3	45	.05	8	6.1	92	.1	16		
04-17-72	160	6.6	5	30	.05	36	10	61	.1	73		
05-04-72	160	6.5	5	50	.05	8						

ACID MINE DRAINAGE PROJECT      SAMPLING STATION NO. 3  
 BIG SCRUBGRASS CREEK WATERSHED      LOCATION: T.R. 354, .5 mi. from junction with Rt. 308

DATE	GPM	PH	PPM				PPD					
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4		
11-20-70		3.2	90	--	.55	65						
12-17-70		3.2	100	--	.50	110						
01-04-71		3.0	110	--	.35	115						
02-05-71		3.4	100	--	.30	120						
02-17-71		3.7	110	--	.50	100						
02-22-71		3.3	50	--	.40	40						
03-03-71		3.5	80	--	.30	160						
03-09-71		3.1	90	--	.40	165						
03-18-71	19	3.0	100	--	.40	90	23	--	.1	21		
03-25-71	17	3.1	100	--	.40	94	20	--	.08	19		
04-01-71	20	3.3	80	--	.30	120	19	--	.07	29		
04-07-71	17	3.0	100	--	.35	131	20	--	.07	27		
04-12-71	16	3.0	110	--	.40	90	21	--	.08	17		
04-19-71	15	2.9	110	--	.35	100	20	--	.06	18		
04-26-71	15	3.2	100	--	.50	90	18	--	.09	16		
05-03-71	15	3.0	120	--	.50	70	22	--	.09	13		
05-10-71	22	3.2	110	--	.70	100	29	--	.2	26		
05-17-71	16	3.0	110	--	1.10	130	21	--	.2	25		
05-24-71	13	3.0	100	--	1.10	90	16	--	.2	14		
06-01-71	13	3.3	80	--	.80	60	12	--	.1	9.4		
06-07-71	13	5.6	30	--	.40	52	4.7	--	.06	8.1		
07-07-71		6.5	20	10	.30	120						

## ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 3 (Cont'd.)

## BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 354, .5 mi. from junction with Rt. 308

DATE	GPM	PH	PPM				PPD						
			ACD	ALK	FE	SO <sub>4</sub>	ACD	ALK	FE	SO <sub>4</sub>			
08-09-71	Sample	Not	Available	-	Dry								
08-16-71	"	"	"	"	"								
08-23-71	"	"	"	"	"								
09-20-71	"	"	"	"	"								
10-18-71	"	"	"	"	"								
10-26-71	"	"	"	"	"								
11-18-71	"	"	"	"	"								
11-29-71	"	6.3	30	3	.90				64				
12-13-71	60	4.1	70	--	.30			50	30	--		.2	22
12-20-71	24	3.3	80	--	.40			23	95	--		.1	27
01-20-71	16	4.0	90	--	.85			17	97	--		.2	19
02-11-72	22	3.7	110	--	.95			29	105	--		.3	28
03-15-72	31	3.3	120	--	1.15			45	135	--		.4	50
04-03-72	22	3.6	120	--	.6			32	120	--		.2	32
04-17-72	22	3.7	135	--	.8			36	110	--		.2	29
05-04-72	21	3.8	130	--	.7			33	100	--		.2	25

ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 4

BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 354, 1.1 mi. from junction with Rt. 308

DATE	GPM	PH	PPM					PPD					
			ACD	ALK	FE	SO <sub>4</sub>	ACD	ALK	FE	SO <sub>4</sub>			
11-20-70		4.8	30	--	.20	56							
12-17-70		4.2	20	--	.40	50							
01-04-71		5.6	15	--	.10	48							
02-05-71		6.1	10	15	.65	55							
02-17-71		5.3	10	3	.60	50							
02-22-71		3.1	10	--	.30	27							
03-03-71		4.5	10	--	.15	32							
03-09-71		4.6	10	--	.20	30							
03-18-71	2300	4.2	10	--	.30	20	280	--	8.3		550		
03-25-71	2080	5.8	10	--	.20	25	250	--	5		620		
04-01-71	2440	6.1	10	20	.20	41	290	585	59		1200		
04-07-71	2100	6.0	10	3	.50	36	250	75	12.6		910		
04-12-71	1880	6.3	7	10	.40	32	160	225	9		720		
04-19-71	1770	6.4	7	10	.40	27	150	210	8.5		570		
04-26-71	1820	6.4	7	10	.70	30	150	220	15		655		
05-03-71	1820	6.5	5	20	.60	34	110	440	13		740		
05-10-71	2700	6.5	5	20	.30	24	160	650	10		780		
05-17-71	1900	6.6	5	20	.20	26	115	460	46		590		
05-24-71	1600	6.6	5	15	.40	26	96	290	7.7		500		
06-01-71	1540	6.7	3	10	.70	25	55	185	13		460		
06-07-71	1600	6.6	5	10	.15	19	96	190	2.9		365		
07-07-71	1380	6.9	--	20	.30	40	--	330	5		660		

## ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 4 (Cont'd.)

## BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 354, 1.1 mi. from junction with Rt. 308

DATE	GPM	PH	PPM				PPD			
			ACD	ALK	FE	SO <sub>4</sub>	ACD	ALK	FE	SO <sub>4</sub>
08-09-71	1330	6.8	3	30	1.90	59	48	480	30	940
08-16-71	1200	6.8	3	30	1.60	61	43	430	23	880
08-23-71	1600	6.8	3	30	1.20	69	58	580	23	1320
09-20-71	1700	7.0	--	40	.90	62	--	820	18	1260
10-18-71	1600	7.0	--	40	.70	54	--	770	13	1040
10-26-71	1770	6.6	20	20	.65	58	425	425	14	1020
11-18-71	1640	7.0	--	40	.65	56	--	790	13	1100
11-29-71	2500	6.3	30	3	.90	64	900	90	27	1920
12-13-71	7140	6.5	20	10	.20	26	1710	860	17	2230
12-20-71	2900	6.6	20	10	.40	56	700	350	14	1950
01-20-72	1924	5.5	10	--	.02	57	230	--	7	1320
02-11-71	2700	5.4	10	--	.40	65	324	--	13	2110
03-15-72	3800	4.5	10	--	.50	73	460	--	23	3330
04-03-72	2700	5.3	10	--	.2	31	324	--	6.5	1000
04-17-72	2610	4.9	10	--	.3	28	310	--	9	880
05-04-72	2560	4.5	10	--	.25	26	310	--	7.7	800
06-23-72	15,500	5.2	20	10	.15	18	3,720	1,860	28	3350
07-17-72		4.55	10	30	.175	47				

## ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 5

## BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 371, .2 mi. from junction with T.R. 354

DATE	GPM	pH	PPM				PPD							
			ACD	ALK	FE	SO <sub>4</sub>	ACD	ALK	FE	SO <sub>4</sub>				
11-20-70		6.2	10	10	.05	2								
12-17-70		6.6	5	10	.10	6								
01-04-71		6.0	10	3	.10	5								
02-05-71		6.4	7	15	.05	5								
02-17-71		6.5	5	10	.05	5								
02-22-71		6.1	10	10	.05	4								
03-25-71	52	6.5	5	10	.05	10		3.1	6.2	.03	6.2			
05-03-71	45	6.7	3	20	.05	2		1.6	11	.03	1.1			
06-01-71	38	6.9	--	20	.05	2		--	9.1	.02	.9			
10-18-71	40	6.8	3	20	.05	3		1.4	9.6	.02	1.4			
11-18-71	41	6.8	3	20	.05	5		1.5	9.8	.02	2.5			
01-20-72	48	6.9	--	20	.05	3		--	11	.03	1.7			
02-11-72	67	7.0	--	20	.05	5		--	16	.04	4			
03-15-72	95	6.8	3	20	.05	7		3.4	23	.06	7.9			
04-03-72	67	5.9	10	3	.05	8		.8	2.4	.04	6.4			
04-17-72	65	5.6	15	--	.05	7		12	--	.04	5.5			
05-04-72	64	5.1	20	--	.05	5		15	--	.04	3.8			



ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 6

BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 371, .7 mi. from junction with T.R. 354

DATE	GPM	PH	PPM				PPD						
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4			
11-20-70		4.6	10	10	.20	4							
12-17-70		4.7	10	--	.35	10							
01-04-71		6.0	10	--	.50	10							
02-05-71		6.5	10	10	.05	15							
02-17-71		4.6	10	--	.10	15							
02-22-71		3.9	10	--	.20	9							
03-03-71		4.4	10	--	.10	6							
03-09-71		5.0	10	10	.10	4							
03-18-71	76	4.9	10	--	.10	2		9.1	--	.09		1.8	
03-25-71	69	5.4	10	--	.10	4		8.2	--	.08		3.3	
04-01-71	81	5.9	10	3	.10	16		9.7	2.9	.09		15	
04-07-71	70	6.5	3	5	.05	9		2.5	4.2	.04		7.5	
04-12-71	62	6.5	5	10	.05	8		3.7	7.4	.04		5.9	
04-19-71	59	6.4	5	5	.05	6		3.5	3.5	.04		4.2	
04-26-71	60	6.6	3	5	.05	6		2.1	3.6	.04		4.3	
05-03-71	60	6.4	5	10	.05	10		3.6	7.2	.04		7.2	
05-10-71	90	6.3	7	10	.05	10		7.5	11	.05		11	
05-17-71	63	6.6	5	10	.05	8		3.8	7.5	.04		6	
05-24-71	53	6.5	5	10	.05	5		3.2	6.4	.03		3.2	
06-01-71	51	6.6	5	10	.05	6		3.1	6.1	.03		3.7	
06-06-71	53	6.6	5	5	.05	6		3.2	3.2	.03		3.8	
07-07-71	46	6.6	5	10	.90	14		2.7	5.5	.5		7.7	

ACID MINE DRAINAGE PROJECT SAMPLING STATION NO. 6 (Cont'd.)

BIG SCRUBGRASS CREEK WATERSHED LOCATION: T.R. 371, .7 mi. from junction with T.R. 354

DATE	GPM	pH	PPM				PPD			
			ACD	ALK	FE	SO4	ACE	ALK	FE	SO4
08-09-71	44	6.9	--	30	.10	4	--	16	.05	2.1
10-18-71	53	6.7	3	20	.05	5	1.9	13	.03	3.1
11-18-71	54	6.8	3	20	.05	4	1.9	13	.03	2.6
01-20-72	64	6.6	5	20	.05	4	3.8	15	.04	3.1
02-11-72	90	6.5	5	20	.05	5	5.4	22	.05	5.4
03-15-72	126	6.6	5	20	.05	8	7.6	30	.08	12
04-03-72	90	6.2	3	10	.05	6	3.2	11	.05	6.5
04-17-72	87	5.6	10	--	.05	7	10	--	.05	7.3
05-04-72	85	5.1	10	--	.05	5	10	--	.05	5.1

ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 7

BIG SCRUBGRASS CREEK WATERSHED

LOCATION: Mouth of Bullion Run, Intersection of L.R. 60007 and L.R. 60011

DATE	GPM	pH	PPM				PPD					
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4		
11-20-70		4.6	10	10	.05	34						
12-17-70		5.1	10	--	.10	38						
01-04-71		5.0	10	--	.05	40						
02-05-71		5.5	10	--	.05	40						
02-17-71		4.9	10	--	.10	35						
02-22-71		4.2	10	--	.10	27						
03-03-71		4.9	10	--	.10	26						
03-09-71		5.2	10	10	.20	33						
03-18-71	4670	4.9	10	3	.30	25	560	170	17	1400		
03-25-71	3590	5.6	10	3	.20	31	430	130	9	1340		
04-01-71	7720	6.0	10	3	.10	36	930	90	9	3340		
04-07-71	4670	6.3	10	5	.05	27	560	280	2.8	1510		
04-12-71	3910	6.3	10	10	.05	28	470	470	2.3	1310		
04-19-71	3590	6.4	10	10	.05	33	430	430	2.1	1420		
04-26-71	3230	6.6	10	10	.05	30	390	390	1.9	1160		
05-03-71	3410	6.5	10	10	.05	30	410	410	2.0	1230		
05-10-71	5480	6.6	10	10	.05	24	660	660	3.3	1580		
05-17-71	4085	6.6	10	10	.05	28	490	490	2.5	1370		
05-24-71	5250	6.7	10	20	.05	26	630	1260	3.2	1640		
06-01-71	3910	6.8	10	20	.05	26	470	940	2.3	1220		
06-07-71	4670	6.7	10	10	.05	22	560	560	2.8	1230		
07-07-71	7990	7.0	10	30	.05	26	960	2880	4.8	2490		

ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 7 (Cont'd.)

BIG SCRUBGRASS CREEK WATERSHED

LOCATION: Mouth of Bullion Run, Intersection of L.R. 60007 and L.R. 60011

DATE	GPM	pH	PPM						S04	
			ACD	ALK	FE	SO4	ACD	ALK		FE
08-09-71	2690	6.9	10	30	.05	40	320	970	1.6	1290
08-16-71	2870	6.9	10	40	.05	42	340	1380	1.7	1450
08-23-71	4850	7.2	--	50	--	48	--	2910	--	2790
09-20-71	7720	7.3	--	40	--	40	--	3700	--	3710
10-18-71	2870	7.3	--	40	--	37	--	1380	--	1275
10-26-71	3590	6.6	10	20	.05	38	430	860	2.2	1640
11-18-71	3100	7.0	--	40	.05	36	--	1490	1.9	1340
11-29-71	5700	6.8	10	20	.30	50	680	1360	20	3420
12-13-71	14,500	6.7	10	20	.25	27	1740	3480	43	4700
12-20-71	3910	6.6	10	20	.20	36	470	940	9	1690
01-20-72	3910	6.4	10	20	.05	31	470	940	2.3	1450
02-11-72	5480	5.8	10	20	.05	29	660	1310	3.3	1910
03-15-72	7720	5.1	15	--	.05	34	1390	--	4.6	3150
04-03-72	5490	5.5	10	30	.05	30	660	1980	3.3	1980
04-17-72	5290	5.4	10	30	.05	34	630	1900	3.2	2160
05-04-72	5200	4.8	10	30	.05	29	620	1870	3.1	1810
06-23-72	314,000	5.2	20	10	.15	18	75,360	37,680	565.20	67800
07-17-72		4.7	10	20	.05	39				
08-24-72		6.8		10	.35	40				

## ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 8

## BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 335 (Bullion Road) 1 mi. West of Rt. 308

DATE	GPM	pH	PPM				PPD					
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4		
11-20-70		3.2	70		1.90	65						
12-17-70		3.0	190		2.80	550						
01-04-71		3.8	150		1.55	525						
02-05-71		2.75	320		2.60	550						
02-17-71		3.8	285		1.90	600						
02-22-71		3.6	90		1.60	230						
03-03-71		3.7	140		.65	580						
03-09-71		4.0	150		.50	560						
03-18-71	674	3.0	160		.70	480		1290		5.7		3880
03-25-71	260	3.1	170		1.20	496		530		3.8		1550
04-01-71	56	2.9	150		.80	640		100		.5		430
04-07-71	135	2.9	190		2.40	633		310		3.9		1020
04-12-71	135	2.8	180		2.30	600		290		3.7		970
04-19-71	108	2.8	200		2.40	590		260		3.1		760
04-26-61	135	2.8	230		3.00	600		370		4.9		970
05-03-71	135	2.8	230		2.30	650		370		3.7		1050
05-10-71	148	3.0	230		1.00	400		410		1.8		710
05-17-71	88	2.8	240		1.30	425		250		1.4		450
05-24-71	79	2.9	240		1.30	600		230		1.2		570
06-01-71	79	2.8	210		1.50	620		200		1.4		580
06-07-71	88	2.8	230		1.50	660		240		1.6		690
07-07-71	49	3.2	210		2.50	720		120		1.5		430

ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 8 (Cont'd.)

BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 335 (Bullion Road) 1 mi. West of Rt. 308

DATE	GPM	PH	PPM				PPD			
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4
08-09-71	6.1	2.7	300		2.70	660	22		.2	48
08-16-71	5.75	2.8	310		2.90	675	21		.2	46
08-23-71	17	2.8	320		2.30	640	64		.5	130
09-20-71	22	2.8	340		2.50	910	88		.6	240
10-18-71	17	2.6	330		2.90	885	66		.6	180
10-26-71	17	2.5	390		5.20	1000	79		1.0	200
11-18-71	17	2.9	360		3.20	890	72		.6	180
11-29-71	135	3.3	410		6.75	480	660		11	770
12-13-71	206	3.5	340		5.40	1000	840		13	2460
12-20-71	367	3.7	350		4.50	660	1540		20	2890
01-20-72	330	3.4	350		3.7	700	1380		15	2760
02-11-72	310	3.0	360		3.9	750	1340		15	2800
03-15-72	560	2.8	380		4.2	900	2560		28	6060
04-03-72	180	3.7	210		.7	630	450		1.5	1320
04-17-72	150	3.5	220		.6	600	370		1.1	1070
05-04-72	110	3.7	220		.7	590	280		.9	760
06-23-72	18,890	3.6	50		.25	100	11,330		57	22,670
08-09-72		3.2	390		2.9	1000				

ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 9

BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 335, 1.5 mi. from junction with Rt. 308

DATE	GPM	PH	PPM				PPD						
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4			
11-20-70		3.2	90		1.20	200							
12-17-70		3.0	140		2.40	190							
01-04-71		4.2	130		1.40	200							
02-05-71		3.9	160		.40	180							
02-17-71		3.9	150		.40	110							
02-22-71		3.7	50		.40	85							
03-03-71		3.2	70		.60	150							
03-09-71		3.8	60		.40	172							
03-18-71	674	3.1	80		.20	151		650		1.6		1,220	
03-25-71	138	3.2	80		.20	167		130		.3		280	
04-01-71	180	3.1	60		.30	100		130		.7		220	
04-07-71	101	3.1	90		1.30	95		110		1.6		120	
04-12-71	55	3.1	100		.90	140		66		.6		90	
04-19-71	31	3.0	100		.50	145		38		.2		54	
04-26-71	18	3.1	100		.50	145		21		.3		31	
05-03-71	14	3.2	90		.40	140		16		.1		24	
05-10-71	433	3.6	80		.30	90		420		1.6		470	
05-17-71	249	3.3	90		.20	125		270		.6		370	
05-24-71	125	3.2	80		.30	130		120		.5		190	
06-01-71	49	3.2	90		.30	125		53		.2		73	
06-07-71	55	3.1	90		.30	130		60		.2		86	
07-07-71	31	3.3	80		1.30	230		30		.5		87	

ACID MINE DRAINAGE PROJECT      SAMPLING STATION NO. 9 (Cont'd)  
 BIG SCRUBGRASS CREEK WATERSHED      LOCATION: T.R. 335, 1.5 mi. from junction with Rt. 308

DATE	GPM	PH	PPM				PPD			
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4
08-09-71	16.8	3.0	230		1.60	280	46		.3	56
08-16-71	16.6	2.9	230		1.70	290	45		.3	58
08-23-71	34	3.1	230		1.40	275	93		.6	110
09-20-71	50	3.2	200		1.70	220	120		1.0	130
10-18-71	23	3.1	185		1.80	225	51		.5	62
10-26-71	34	2.7	280		2.40	250	110		1.0	100
11-18-71	27	3.0	210		2.00	240	69		.7	79
11-29-71	139	3.7	300		.70	160	500		1.2	270
12-13-71	95	3.2	210		3.30	275	240		3.7	310
12-20-71	236	3.8	200		1.50	240	560		4.2	680
01-20-71	3055	3.3	200		2.1	260	730		7.7	950
02-11-71	289	3.1	210		2.5	270	730		8.7	940
03-15-71	321	2.9	220		2.6	295	850		10.0	1,140
04-03-71	166	4.3	110		.25	155	220		.50	310
04-17-71	138	4.1	120		.30	140	200		.50	230
05-04-71	101	4.0	120		.20	130	145		.20	160
06-23-72	17,570	3.3	60		.30	65	12,650		74	13,700
07-26-72		4.0	160		1.20	240				
08-08-72		3.0	220		1.75	275				



ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 10

BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 325, 1.8 mi. from junction with L.R. 60003

DATE	GPM	PH	PPM				PPD						
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4			
1-20-70		3.2	50		.70	330							
2-17-70		3.3	100		2.80	265							
01-04-71		3.8	140		1.30	260							
02-05-71		4.5	110		6.50	285							
02-17-71		4.2	100		2.00	270							
02-22-71		3.9	65		1.40	150							
03-03-71		4.5	50		1.40	160							
03-03-71		4.5	50		.60	175							
03-18-71	3,816	3.6	50		.20	145							
03-25-71	1,616	3.8	50		.30	161		2,290			9	6,640	
04-01-71	1,392	3.3	50		.20	210							
04-07-71	1,167	3.5	60		2.60	181		835			3.3	3,510	
04-12-71	786	3.4	70		1.70	235		840			36	2,530	
04-19-71	741	3.6	50		3.30	225		660			16	2,220	
04-26-71	673	4.0	50		5.20	235		445			30	2,000	
05-03-71	741	3.6	70		1.50	250		404			42	1,900	
05-10-71	1,975	4.4	70		.20	120		662			13	2,220	
05-17-71	898	3.6	80		.20	125		1,660			4.7	2,840	
05-24-71	485	3.6	50		.30	210		862			2.2	1,350	
06-01-71	336	3.8	50		.30	220		291			1.8	1,220	
06-07-71	395	3.5	60		.20	225		202			1.2	890	
07-07-71	287	4.2	50		4.10	300		284			.95	1,020	
								172			14	1,030	

ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 10 (Cont'd)

BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 325, 1.8 mi. from junction with L.R. 60003

DATE	GPM	PH	ACD	PPM				PPD			
				ALK	FE	SO4	ACD	ALK	FE	SO4	
08-09-71	85	6.5	60	10	3.90	290	60		4.0	300	
08-16-71	108	6.2	70		3.70	310	90		4.8	400	
08-23-71	220	3.6	100		3.10	280	264		8	740	
09-20-71	135	4.1	90		3.40	270	145		5.5	440	
10-18-71	247	4.0	85		4.10	265	250		12	785	
10-26-71	310	3.7	60		1.60	215	220		6.0	800	
11-18-71	287	3.8	70		3.40	250	240		11	860	
11-29-71	1,706	3.8	70		.90	220	1,430		18	4,500	
12-13-71	337	3.8	140		1.90	350	570		7.7	1,415	
12-20-71	1,329	3.9	140		.60	350	2,230		10	5,580	
01-20-72	1,593	3.8	60		2.5	240	1,150		48	4,590	
02-11-72	1,100	3.7	60		2.8	265	790		37	3,500	
03-15-72	2,400	4.0	60		3.2	280	1,730		92	8,060	
04-03-72	337	4.5	100		.3	200	400		1.2	810	
04-17-72	287	4.4	85		.2	210	290		.7	720	
05-04-72	247	4.2	90		.15	200	270		.4	590	
06-23-72	135,000	4.0	40		.25	80	64,800		400	129,600	
08-01-72		3.7	125		2.35	810					
08-11-72		4.0	105		8.0	340					

## ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 11

## BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 335, 2.5 mi. from junction with Rt. 308

DATE	GPM	PH	PPM				PPD						
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4			
11-20-70		3.0	90		1.25	110							
12-17-70		3.2	110		1.30	100							
01-04-71		3.7	85		.60	100							
02-05-71		3.3	130		.80	90							
02-17-71		3.3	120		.80	80							
02-22-71		2.9	50		.60	64							
03-03-71		3.4	60		.75	120							
03-09-71		4.2	70		1.00	132							
03-18-81	166	3.8	70		.40	110	140			.80			220
03-25-71	40	3.5	80		.30	117	38			.14			56
04-01-71	49	3.3	60		.40	100	35			.24			59
04-07-71	144	3.1	80		.60	110	140			1.00			190
04-12-71	7.6	2.9	90		.50	110	8.2			.05			10
04-19-71	3.6	3.0	80		.40	100	3.5			--			4.3
04-26-71	2.2	3.2	80		.50	65	2.1			--			1.7
05-03-71	4.7	3.1	80		.40	86	4.5			.02			4.9
05-10-71	70	4.0	60		.25	42	50			.20			35
05-17-71	45	3.2	70		.30	45	38			.16			24
05-24-71	45	3.1	90		.50	110	49			.32			38
06-01-71	45	3.1	80		.60	70	43			.32			38
06-07-71	63	3.2	70		.35	81	53			.26			61
07-07-71	31	3.5	60		.50	70	22			.19			26

ACID MINE DRAINAGE PROJECT                      SAMPLING STATION NO. 11 (Cont'd)  
 BIG SCRUBGRASS CREEK WATERSHED              LOCATION: T.R. 335, 2.5 mi. from junction with Rt. 308

DATE	GPM	pH	PPM				PPD			
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4
08-09-71	6.6	6.2	20	3	.40	40	1.6	.24	.03	3.2
08-16-71	4.7	6.4	20	5	.40	44	1.1	.28	.02	2.5
08-23-71	31	6.3	20	3	.20	51	7.1	1.10	.07	19
09-20-71	24	6.4	10	5	.10	47	2.9	1.50	.29	13.5
10-18-71	11.7	6.6	10	5	.10	42	1.4	.70	.14	5.9
10-26-71	11.7	6.2	40	3	.10	14	5.6	.42	--	2.0
11-18-71	11.7	6.6	10	5	.10	45	1.4	.70	.14	6.3
11-29-71	154	4.5	50	--	.50	15	92	--	.92	28
12-13-71	220	3.9	140	--	.90	150	370	--	2.40	400
12-20-71	624	4.1	140	--	.90	150	1,050	--	6.80	1,120
01-20-71	345	6.7	3	10	.10	42	14	47	.50	200
02-11-72	372	6.6	5	10	.15	45	22	44	.70	200
03-15-72	678	6.5	5	10	.20	48	41	91	.160	390
04-03-72		4.9	80	--	.3	85				
04-17-72		4.6	90	--	.5	72				
05-04-72		4.6	90	--	.45	65				

ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 12

BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 335, .7 mi. from junction of Rt. 8

DATE	GPM	PH	PPM				PPD						
			ACD	ALK	FE	SO <sub>4</sub>	ACD	ALK	FE	SO <sub>4</sub>			
11-20-70		3.5	20		.20	400							
12-17-70		3.5	60		2.40	415							
01-04-71		4.2	60		.70	410							
02-05-71		4.6	80		.80	445							
02-17-71		4.4	75		1.30	370							
02-22-71		4.3	40		2.50	210							
03-03-71		3.1	90		1.60	390							
03-09-71		4.1	80		.70	410							
03-18-71	1527	3.9	70		.30	375	1280			5.5		5500	
03-25-71	1257	3.6	50		.20	392	750			3.0		5910	
04-01-71	1145	3.7	50		.30	360	690			4.0		4950	
04-07-71	898	3.7	40		1.10	374	430			12		4030	
04-12-71	988	3.6	50		.90	350	590			11		4150	
04-19-71	965	4.2	40		1.10	325	460			13		3760	
04-26-71	786	5.1	40		1.30	390	380			12		3680	
05-03-71	741	5.4	30		1.00	390	270			9		3470	
05-10-71	943	4.4	70		.20	120	790			2.3		1360	
05-17-71	763	5.6	30		.70	325	270			6.4		2980	
05-24-71	741	5.4	40		.40	410	360			3.5		3650	
06-01-71	629	5.8	30		.30	500	230			2.3		3770	
06-07-71	741	5.6	20		.20	550	270			1.8		4890	
07-07-71	382	6.0	20		.20	380	92			.9		1740	

ACID MINE DRAINAGE PROJECT      SAMPLING STATION NO. 12 (Cont'd)

BIG SCRUBGRASS CREEK WATERSHED      LOCATION: T.R. 335, .7 mi. from junction of Rt. 8

DATE	GPM	PH	PPM				PPD			
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4
08-09-71	382	6.3	20	10	.20	500	92	46	.9	2290
08-16-71	427	6.4	20	5	.20	520	100	26	1.0	2660
08-23-71	427	6.3	20	5	.10	510	100	26	.5	2610
09-20-71	440	6.6	30	10	.10	360	160	53	.5	1900
10-18-71	355	6.6	40	10	.10	375	170	42	.4	1600
10-26-71	355	5.8	50	--	.10	460	210	--	.4	1960
11-18-71	355	6.5	40	5	.10	380	170	20	.4	1620
11-29-71	835	6.4	40	--	.10	480	400	--	1.0	4810
12-13-71	530	6.5	20	5	.50	380	130	30	3	2420
12-20-71	956	6.3	20	10	.40	330	230	110	4.6	3790
01-20-72	525	6.7	20	10	.10	300	130	63	.63	1890
02-11-72	498	6.0	20	--	.10	310	120	--	.60	1850
03-15-72	902	6.3	30	3	.15	330	320	30	1.6	3570
04-03-72		4.5	30	--	.05	275				
04-17-72		4.2	40	--	.05	280				
05-04-72		3.7	50	--	.05	275				

## ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 13

## BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 335, at junction with Rt. 8

DATE	GPM	PH	ACD	PPM				SO <sub>4</sub>	ACD	PPD		
				ALK	FE	SO <sub>4</sub>	ALK			FE	SO <sub>4</sub>	
11-20-70		6.6	5	40	.05	8						
12-17-70		6.6	5	30	.20	15						
01-04-71		6.8	3	20	.05	13						
02-05-71		7.2	--	30	.05	10						
02-17-71		7.2	--	30	.05	8						
02-22-71		6.5	5	30	.05	6						
03-25-71	820	6.5	5	30	.05	12	49	300	.5	120		
05-03-71	480	6.7	3	40	.05	6	17	230	.3	35		
06-01-71	410	6.8	3	70	.05	10	15	340	.2	49		
10-18-71	230	6.7	3	80	.05	9	8	220	.1	25		
11-18-71	230	6.8	3	85	.05	11	8	235	.1	30		
01-20-72	340	7.1	--	90	.05	8	--	370	.2	33		
02-11-72	320	6.9	--	80	.05	10	--	310	.2	54		
03-15-72	590	6.6	5	70	.05	14	35	495	.4	28		
04-03-72		7.0	--	50	.05	4						
04-17-72		6.8	3	40	.05	7						
05-04-72		6.6	5	30	.05	6						

ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 14

BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 325, .6 mi. from junction with L.R. 60003

DATE	GPM	PH	PPM				PPD					
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4		
11-20-70		3.4	60		.175	200						
12-17-70		3.4	40		.90	140						
01-04-71		4.1	50		.80	135						
02-05-71		4.7	40		1.00	150						
02-17-71		4.6	30		.30	135						
02-22-71		4.5	30		.50	105						
03-03-71		3.9	40		.40	140						
03-09-71		4.8	40		.70	161						
03-18-71	4700	4.2	40		.30	144	2260				17	8120
03-25-71	4450	4.0	40		.25	171	2150				13	9200
04-01-71	4400	4.7	50		.30	160	2600				16	8400
04-07-71	3800	4.1	40		1.50	170	1800				69	7800
04-12-71	3500	3.8	40		.90	195	1700				38	8200
04-19-71	3450	3.7	40		.90	175	1660				37	7200
04-26-71	3450	4.7	40		1.10	210	1660				46	8700
05-03-71	3400	4.0	40		1.20	190	1630				49	7800
05-10-71	4100	5.1	30		.50	150	1500				25	7400
05-17-71	4100	5.7	30		.20	160	1500				10	7900
05-24-71	3800	5.1	40		.10	170	1820				5	7800
06-01-71	3400	4.5	30		.20	200	1220				8	8200
06-07-71	3500	4.2	30		.20	220	1260				8	9200
07-07-71	1500	4.1	30		.20	210	540				4	3800



## ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 14 (Cont'd.)

## BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 335, .6 mi. from junction with L.R. 60003

DATE	GPM	PH	PPM				PPD			
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4
08-09-71	2500	6.3	30	10	.20	250	900	300	6	7500
08-16-71	2500	6.1	30	--	.20	260	900	--	6	7800
08-23-71	3000	6.3	30	10	.20	240	1100	360	7	8600
09-20-71	3000	6.3	30	10	.30	250	1100	360	11	9000
10-18-71	760	6.2	40	10	.20	260	365	91	2	2400
10-26-71	850	5.8	40	--	.30	220	410	--	3	2200
11-18-71	800	6.3	40	10	.30	240	390		26	2300
11-29-71	14400	4.8	45	--	.50	240	2400		26	12700
12-13-71	3800	5.3	50	--	.50	170	2300		23	7800
12-20-71	2300	5.2	60	--	.30	150	2000		10	5000
01-20-72	2800	5.7	50	--	.30	230	1700		10	7700
02-11-72	2600	6.0	50	--	.35	225	1600		11	7000
03-15-72	4200	5.2	50	--	.40	240	2500		20	12100
04-03-72	1500	4.3	60	--	.05	150	1100		1	2700
04-17-72	1400	4.1	50	--	.05	140	840		1	2400
05-04-72	1300	3.8	50	--	.05	135	780		1	2100
06-23-72	46200	4.7	10	10	.10	42	5500		55	23300

ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 15

BIG SCRUBGRASS CREEK WATERSHED

LOCATION: 400' upstream from junction of Scrubgrass Creek and Rt. 308

DATE	GPM	PH	PPM				PPD						
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4			
11-20-70		4.2	30		.65	250							
12-17-70		4.2	20		1.65	100							
01-04-71		4.6	20		.90	100							
02-05-71		5.7	10		.80	115							
02-17-71		6.4	10		2.90	110							
02-22-71		4.5	10		1.20	90							
03-03-71		5.0	20	30	1.70	90							
03-09-71		6.3	10	50	1.30	110							
03-18-71	23,100	6.1	10	20	1.40	80	2770	5540	390	22,180			
03-25-71	26,900	6.2	7	20	1.20	70	2260	6460	390	22,600			
04-01-71	26,500	6.2	7	20	1.40	100	2230	6360	450	31,800			
04-07-71	17,300	6.2	7	10	3.30	100	1450	1040	685	20,760			
04-12-71	16,200	6.3	5	20	3.40	95	970	3900	660	18,470			
04-19-71	15,700	6.3	10	20	2.10	90	1900	3800	400	16,960			
04-26-71	14,400	6.5	10	30	2.20	85	1730	5200	260	17,820			
05-24-71	13,500	6.5	10	30	1.60	110	1620	4900	300	16,800			
05-10-71	17,500	6.5	10	30	1.45	80	2100	6300	36	20,060			
05-17-71	15,200	5.7	30		.20	110	5470						
05-24-71	13,800	6.6	10	30	.50	120	1660	5000	83	19,870			
06-01-71	12,700	6.6	10	30	.45	130	1520	4600	69	19,800			
06-07-71	15,700	6.3	10	10	.75	160	1900	1900	141	30,140			
07-07-71	12,600	6.4	10	10	.60	170	1500	1500	91	25,700			

ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 15 (Cont'd.)

BIG SCRUBGRASS CREEK WATERSHED

LOCATION: 400' upstream from junction of Scrubgrass Creek and Rt. 308

DATE	GPM	PH	PPM				PPD			
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4
08-09-71	6,400	6.8	3	50	.50	125	230	3840	39	9,600
08-16-71	6,400	6.9	3	50	.40	130	230	3840	31	10,000
08-23-71	6,400	7.1	--	60	.20	120	--	4600	15	9,200
09-20-71	7,500	6.9	3	40	.20	160	270	3600	18	9,900
10-18-71	5,900	7.0	10	50	.20	90	--	--	--	6,370
10-26-71	6,500	6.5	10	20	.30	110	780	1560	23	8,580
11-18-71	6,200	6.7	5	40	.20	80	372	2980	15	5,950
11-29-71	14,600	6.6	10	20	.60	105	1750	3500	105	18,400
12-13-71	24,000	6.5	10	20	.95	70	2880	5760	275	20,160
12-20-71	16,500	6.3	10	20	.40	95	1980	3960	79	18,800
01-20-72	14,700	6.8	3	40	.30	83	530	7060	53	14,640
02-11-72	14,000	6.7	3	40	.30	86	500	6720	50	14,450
03-15-72	25,100	6.1	10	20	.50	75	3000	6020	150	22,590
04-03-72	18,900	5.8	20	--	1.7	90	4540	--	385	20,410
04-17-72	17,500	5.8	10	--	1.8	100	2100	--	380	21,000
05-04-72	16,600	5.5	10	--	1.65	90	1990	--	330	17,930
06-23-72		5.2	10	--	.25	38				
08-08-72		6.8	25	30	1.55	230				

## ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 16

## BIG SCRUBGRASS CREEK WATERSHED

LOCATION: Approximately .5 mi. upstream from junction of  
Scrubgrass Creek and Rt. 308

DATE	GPM	PH	ACD	PPM				ACD	ALK	FE	SO <sub>4</sub>	PPD	FE	SO <sub>4</sub>
				ALK	FE	SO <sub>4</sub>	SO <sub>4</sub>							
11-20-70		3.6	40	--	.30	400								
12-17-70		3.8	30	--	2.20	145								
01-04-71		4.0	40	--	.95	150								
02-05-71		5.2	20	--	.05	160								
02-17-71		6.9	20	40	.20	30								
02-22-71		4.5	10	--	1.50	18								
03-03-71		4.7	15	--	1.10	150								
03-09-71		4.8	20	--	.90	161								
03-18-71	1500	5.2	20	10	2.40	95	360	180	43	1710		43	1710	
03-25-71	1800	5.8	20	--	1.10	100	430	--	24	2160		24	2160	
04-01-71	1800	6.2	10	10	.90	140	220	220	19	3020		19	3020	
04-07-71	1200	6.3	10	3	3.10	148	140	43	45	2130		45	2130	
04-12-71	1100	6.3	10	10	4.10	150	130	130	54	1980		54	1980	
04-19-71	1000	6.4	10	20	3.90	130	120	240	47	1560		47	1560	
04-26-71	900	6.5	10	30	3.50	130	110	320	38	1400		38	1400	
05-03-71	900	6.4	10	30	3.30	150	110	320	36	1620		36	1620	
05-10-71	1200	6.6	10	30	2.70	100	140	430	39	1440		39	1440	
05-17-71	1000	6.5	10	30	1.60	115	120	360	19	1380		19	1380	
05-24-71	900	6.5	10	30	.70	150	110	320	7.6	1620		7.6	1620	
06-01-71	800	6.6	10	20	1.00	165	96	190	9.6	1580		9.6	1580	
06-07-71	1100	6.2	20	3	1.00	180	260	40	13	2380		13	2380	
07-07-71		6.2	20	3	1.10	195	96	29	11	1870		11	1870	

## ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 16 (Cont'd.)

## BIG SCRUBGRASS CREEK WATERSHED

LOCATION: Approximately .5 mi. upstream from junction of  
Scrubgrass Creek and Rt. 308

DATE	GPM	PH	ACD	PPM				PPD			
				ALK	FE	SO <sub>4</sub>	ACD	ALK	FE	SO <sub>4</sub>	
08-09-71	380	6.7	3	50	.80	160	14	230	3.6	730	
08-16-71	380	6.9	--	50	.70	165	--	230	3.2	750	
08-23-71	430	7.0	--	60	.60	150	--	310	3.1	770	
09-20-71	430	6.9	--	30	.80	130	--	150	4.1	670	
10-18-71	350	7.0	--	500	.70	110	--	210	2.9	460	
10-26-71	390	6.4	10	20	.60	90	47	94	2.8	420	
11-18-71	390	6.8	3	40	.60	100	14	190	2.8	470	
11-29-71	980	6.7	3	20	1.10	60	35	240	13	700	
12-13-71	1600	6.6	5	20	.90	75	96	380	17	1440	
12-30-71	1150	6.3	10	20	.40	110	140	280	5.5	1520	
01-20-72	980	6.9	--	40	.40	92	--	470	4.7	1080	
02-11-72	900	6.8	10	40	.40	93	110	430	4.3	1000	
03-15-72	1680	6.3	10	3	.40	105	200	60	8	2120	
04-03-72	1200	5.7	30	--	1.8	110	430	--	26	1580	
04-17-72	1100	5.5	30	--	2.0	110	400	--	26	1450	
05-04-72	1050	5.3	30	--	1.8	110	380	--	23	1390	

## ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 17

## BIG SCRUBGRASS CREEK WATERSHED

LOCATION: Approximately .5 mi. upstream from junction of Scrubgrass Creek and Rt. 308

DATE	GPM	PH	PPM					SO4	ACD	ALK	FE	SO4
			ACD	ALK	FE	SO4	SO4					
11-20-70		3.8	40	--	.15	325						
12-17-70		3.6	40	--	1.90	140						
01-04-71		4.2	50	--	.95	140						
02-05-71		4.5	30	--	.05	135						
02-17-71		5.9	30	10	4.30	140						
02-22-71		4.6	10	--	1.50	120						
03-03-71		4.6	20	--	1.60	140						
03-09-71		4.6	20	--	1.10	153						
03-18-71	13,900	5.0	20	10	2.00	100						
03-25-71	16,000	5.9	20	10	.80	90	3540	1170	330	16,680		
04-01-71	15,900	6.2	10	10	.80	142	3840	1920	150	17,280		
04-07-71	10,400	6.4	10	5	3.10	145	1910	1910	150	27,090		
04-12-71	9,700	6.3	10	10	4.60	135	1250	625	390	18,100		
04-19-71	9,500	6.3	10	20	3.70	134	1160	1160	540	15,710		
04-26-71	8,600	6.5	10	30	3.70	128	1140	2280	420	15,276		
05-03-71	8,000	6.5	10	30	3.40	140	1030	3100	380	13,209		
05-10-71	10,500	6.6	10	30	2.35	100	960	2880	330	13,440		
05-17-71	9,100	6.5	10	30	1.90	110	1260	3780	300	12,600		
05-24-71	8,300	6.6	10	30	.70	130	1090	3280	210	12,010		
06-01-71	7,500	6.5	10	30	1.30	175	1000	3000	70	12,950		
06-07-71	9,400	6.1	20	3	1.00	195	900	2700	120	15,750		
07-07-71	7,600	6.3	20	3	1.00	220	2260	340	110	22,000		
							1820	270	91	20,060		

## ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 17 (Cont'd.)

## BIG SCRUBGRASS CREEK WATERSHED

LOCATION: Approximately .5 mi. upstream from junction of  
Scrubgrass Creek and Rt. 308

DATE	GPM	pH	ACD	PPM						
				ALK	FE	SO <sub>4</sub>	ACD	ALK	FE	SO <sub>4</sub>
08-09-71	3,800	6.8	3	50	.90	170	140	2280	41	7,750
08-16-71	3,800	6.9	--	50	.90	170	--	2280	41	7,750
08-23-71	3,800	6.9	--	60	.60	165	--	2740	27	7,520
09-20-71	4,500	6.8	3	30	.70	135	160	1620	38	7,290
10-18-71	3,400	6.9	--	50	.70	115	--	2040	29	4,690
10-26-71	3,900	6.4	10	20	.60	140	470	940	28	6,550
11-18-71	3,600	6.7	3	40	.60	100	130	1730	26	4,320
11-29-71	8,800	6.7	3	20	1.40	100	320	2110	150	10,560
12-13-71	14,400	6.6	5	20	.80	108	860	3450	140	18,660
12-20-71	9,900	6.3	10	20	.30	145	1190	2380	36	17,230
01-20-72	8,800	6.9	3	40	.40	97	320	4220	42	10,240
02-11-72	8,300	6.8	3	40	.40	100	300	3980	40	9,960
03-15-72	15,000	6.1	10	3	.40	90	1800	540	72	16,200
04-03-72	11,200	5.6	30	--	1.9	110	4030	--	260	14,780
04-17-72	10,400	5.4	30	--	2.1	110	3740	--	260	13,730
05-04-72	9,900	5.3	25	--	2.0	105	2970	--	240	12,470

## ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 18

## BIG SCRUBGRASS CREEK WATERSHED

LOCATION: Confluence of South Branch and Scrubgrass Creek,  
 approximately .5 mi. from junction of Scrubgrass  
 Creek and Rt. 308

PPM

DATE	GPM	PH	ACD	PPM				SO <sub>4</sub>	SO <sub>4</sub>
				ALK	FE	SO <sub>4</sub>	ACD		
11-20-70		6.5	10	40	.10	25			
12-17-70		6.5	5	20	.05	43			
01-04-71		6.6	5	15	.05	40			
02-05-71		7.0	--	40	.05	25			
02-17-71		5.9	20	20	3.90	160			
02-22-71		6.8	3	30	.20	140			
03-25-71	8800	6.6	5	30	.10	25	530	3170 11 2640	
05-03-71	4400	6.5	5	30	.05	50	264	1580 2.6 2640	
06-01-71	4150	6.7	10	50	.05	47	500	2490 2.5 2340	
10-18-71	1900	6.6	5	40	.05	43	114	910 1.1 980	
11-18-71	2000	6.7	3	50	.05	40	72	1200 1.2 960	
01-20-72	4800	6.9	--	60	.05	41	--	3460 2.9 2360	
02-11-72	4550	6.8	3	60	.05	40	160	3280 2.7 2950	
03-15-72	8200	6.6	5	40	.05	40	490	3940 4.9 3940	
04-03-72	6160	7.0	--	60	.05	41	--	4440 3.7 3030	
04-17-72	5720	6.7	5	50	.05	48	340	3430 3.4 3290	
05-04-72	5430	6.5	10	50	.05	44	650	3260 3.3 2870	



ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 19

BIG SCRUBGRASS CREEK WATERSHED

LOCATION: Rt. 308, 1.6 mi. South of junction with Rt. 208

DATE	GPM	PH	PPM				PPD					
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4		
11-20-70		3.2	50	--	.45	350						
12-17-70		3.6	40	--	.30	120						
01-04-71		4.5	40	--	.25	95						
02-05-71		4.4	40	--	.20	120						
02-17-71		4.4	50	--	.30	90						
02-22-71		4.0	10	--	.05	72						
03-03-71		4.4	30	--	.40	124						
03-09-71		4.3	40	--	.50	130						
03-18-71	154	4.2	50	--	.40	120	92			.74		220
03-25-71	154	3.8	40	--	.40	130	74			.74		240
04-01-71	136	4.2	50	--	.50	125	82			.82		204
04-07-71	84	3.6	40	--	.30	132	40			.30		130
04-12-71	49	3.4	50	--	.40	95	30			.24		56
04-19-71	68	3.5	50	--	.40	95	41			.33		78
04-26-71	68	3.5	40	--	.30	110	33			.25		90
05-03-71	84	3.5	40	--	.20	120	40			.20		120
05-10-71	101	3.5	40	--	.30	130	48			.36		160
05-17-71	76	3.5	40	--	.50	145	36			.46		130
05-24-71	110	3.5	40	--	.60	100	53			.79		130
06-01-71	84	3.6	50	--	.60	110	50			.60		110
06-07-71	92	3.4	50	--	.30	120	55			.33		130

## ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 19 (Cont'd.)

## BIG SCRUBGRASS CREEK WATERSHED

LOCATION: Rt. 308, 1.6 mi. South of junction with Rt. 208

DATE	GPM	PH	PPM				PPD			
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4
07-01-71	1	4.0	40	--	.35	100	.48	--	.004	1.2
08-09-71	1	5.8	40	--	.40	100	.48	--	.005	1.2
08-16-71	1	6.0	40	--	.50	100	.48	--	.006	1.2
08-23-71	22	6.5	30	10	.30	90	7.9	2.64	.08	24
09-20-71	22	6.5	20	10	.40	92	5.3	2.64	.11	24
10-18-71	22	6.3	30	5	.30	91	7.9	1.32	.08	24
10-26-71	34	6.2	30	3	.30	50	12.2	1.22	.12	20
11-18-71	22	6.3	30	5	.40	86	7.9	1.32	.11	23
11-29-71	136	6.6	30	10	.40	62	49	16.32	.65	100
12-13-71	68	6.6	20	10	.45	110	16	8.16	.37	90
12-20-71	101	6.1	20	--	.30	90	24	--	.36	120
01-20-72	49	6.2	30	--	.30	84	18	--	.18	50
02-11-72	34	5.9	40	--	.40	90	16	--	.16	37
03-15-72	76	4.8	50	--	.45	120	45	--	.41	110
04-03-72	34	3.7	50	--	.4	81	20	--	.16	33
04-17-72	13	3.4	50	--	.3	84	7.8	--	.05	13.1
05-04-72	13	3.3	50	--	.2	80	7.8	--	.03	12.5
09-08-72	9	5.6	20	--	.4	75	2.1	--	.04	8.1

ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 20

BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 366, 1.9 mi. from junction with Rt. 208

DATE	GPM	PH	PPM					PPD					
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4			
11-20-70		5.4	10	20	.35	150							
12-17-70		3.6	30	--	.15	100							
01-04-71		4.2	40	--	.20	90							
02-05-71		6.5	40	35	.05	60							
02-17-71		5.4	50	10	.35	50							
02-22-71		4.6	25	--	.05	37							
03-03-71		5.2	60	--	.20	125							
03-09-71		4.8	30	--	.40	133							
03-18-71	370	5.6	30	--	.20	124	130						
03-25-71	240	6.1	20	10	.20	116	58	--	29		.9		550
04-01-71	200	6.3	7	10	.10	90	17		24		.2		220
04-07-71	150	6.2	7	10	.10	84	13		18		.2		150
04-12-71	140	6.2	10	30	.10	82	17		50		.2		140
04-19-71	130	6.2	10	20	.10	100	16		31		.2		156
04-26-71	130	6.2	10	20	.20	60	16		31		.4		94
05-03-71	130	6.3	10	20	.20	74	16		31		.4		120
05-10-71	180	6.1	7	10	.20	92	15		22		.4		200
05-17-71	150	6.3	10	20	.45	96	18		36		.8		170
05-24-71	120	6.4	10	20	.20	50	14		29		.3		72
06-01-71	90	6.4	10	20	.10	58	11		22		.1		63
06-07-71	100	6.7	10	50	.05	64	12		60		.1		77

## ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 20 (Cont'd)

## BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 366, 1.9 mi. from junction with Rt. 208

DATE	GPM	PH	ACD	ALK	FE	SO4	PPM			
							ACD	ALK	FE	SO4
07-07-71	50	6.3	10	40	.10	67	6	24	.1	40
08-09-71	56	6.1	10	50	.10	72	7	34	.07	48
08-16-71	60	6.5	10	50	.10	76	7	36	.07	55
08-23-71	130	6.3	20	30	.20	78	31	47	.3	120
09-20-71	90	6.7	20	70	.20	71	22	76	.2	77
10-18-71	70	6.6	20	80	.10	70	17	67	.08	59
10-26-71	80	6.1	20	70	.05	50	19	67	.05	48
11-18-71	80	6.7	20	70	.20	64	19	67	.2	61
11-29-71	130	6.8	3	20	.05	54	4.7	31	.08	64
12-13-71	220	6.8	3	20	.15	70	8	53	.4	185
12-20-71	340	6.3	10	10	.20	82	41	41	.8	330
01-20-72	200	6.8	10	70	.20	61	24	170	.5	150
02-11-72	190	6.7	10	60	.40	66	23	140	.9	170
03-15-72	330	6.1	20	30	.50	73	80	120	2	290
04-01-72	150	5.3	10	--	.05	68	18	--	.1	122
04-03-72	170	5.2	10	--	.05	62	20	--	.1	130
05-04-72	150	5.0	10	--	.05	65	18	--	.1	117

## ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 21

## BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 366, 1.5 mi. from junction with Rt. 208

DATE	GPM	pH	PPM				PPD						
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4			
11-20-71		5.6	10	10	.20	225							
12-17-70		5.6	10	--	.15	48							
01-04-71		5.7	15	--	.30	48							
02-05-71		6.5	10	20	.30	54							
02-17-71		6.5	10	20	.25	42							
02-22-71		6.3	10	10	.05	35							
03-25-71	1800	6.6	5	20	.10	58	108	432	2.1	1250			
05-03-71	1000	6.7	3	30	.05	54	36	360	.6	650			
06-01-71	690	6.8	3	50	.05	50	25	414	.4	414			
10-18-71	540	6.8	3	40	.05	53	19	260	.3	340			
11-18-71	610	6.9	--	50	.05	49	--	366	.4	360			
01-20-72	1500	7.0	--	50	.05	42	--	900	.9	756			
02-11-72	1450	6.7	3	40	.05	49	52	696	.9	850			
03-15-72	2500	6.3	7	30	.05	57	210	900	1.5	1710			
04-03-72	1300	6.8	3	40	.05	44	47	624	.8	690			
04-17-72	1100	6.6	5	30	.05	50	66	396	.7	660			

ACID MINE DRAINAGE PROJECT  
 BIG SCRUBGRASS CREEK WATERSHED

SAMPLING STATION NO. 21 (Cont'd)

LOCATION: T.R. 366, 1.5 mi. from junction with Rt. 208

DATE	GPM	pH	PPM							
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4
05-04-72	1100	6.4	5	30	.05	46	66	396	.7	610

ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 22

BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 366, .9 mi. from junction with Rt. 208

DATE	GPM	pH	PPM				PPD					
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4		
11-20-70		6.7	3	30	.05	50						
12-17-70		6.5	5	20	.10	44						
01-04-71		6.4	5	7	.20	44						
02-05-71		6.7	3	20	.30	58						
02-17-71		6.9	3	20	.10	48						
02-22-71		6.2	7	10	.05	34						
03-03-71		6.7	3	30	.25	52						
03-09-71		7.1	-	40	.30	55						
03-18-71	3700	6.7	10	40	.30	44						
03-25-71	4300	6.7	3	20	.20	56	4444	888	1030	10	8.8	1950
04-01-71	4200	6.6	5	30	.20	58	250	1510	10	10	10	2920
04-07-71	2600	6.5	5	30	.10	49	170	1010	3.3	3.3	3.3	1650
04-12-71	2600	6.6	5	300	.10	64	156	936	3.1	3.1	3.1	2000
04-26-71	2300	6.6	5	30	.05	56	140	830	1.4	1.4	1.4	1550
05-03-71	2200	6.8	3	40	.05	54	79	1060	1.3	1.3	1.3	1425
06-01-71	2000	6.8	3	50	.05	46	72	1200	1.2	1.2	1.2	1100
10-18-71	940	6.8	3	40	.05	49	34	450	.6	.6	.6	550
11-18-71	1000	6.9	-	50	.05	44	--	600	.6	.6	.6	530

ACID MINE DRAINAGE PROJECT

SAMPLING STATION NO. 22 (Cont'd)

BIG SCRUBGRASS CREEK WATERSHED

LOCATION: T.R. 366, .9 mi. from junction with Rt. 208

DATE	GPM	PH	PPM				PPD			
			ACD	ALK	FE	SO4	ACD	ALK	FE	SO4
01-20-72	2300	7.0	--	50	.05	30		1380	1.4	830
02-11-72	2200	6.8	3	40	.05	44	79	1060	1.3	1160
03-15-72	4000	6.6	5	40	.05	49	240	1920	2.4	2350
04-07-72	3000	5.2	10	40	.05	62	360	1440	1.8	2230
04-17-72	2800	6.5	10	30	.05	47	340	1010	1.7	1580
05-04-72	2700	6.4	10	30	.05	44	320	970	1.6	1430