

APPENDIX C
FIELD DATA AND CHEMICAL ANALYSES
SOURCE SAMPLING - ELIMINATED

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PINEY CREEK WATERSHED WEIR NUMBER PY-120 Seepage discharge to unnamed tributary to Piney Creek northeast of Shamburg.

DATE	GPM	pH	PPM				PPD			
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄
10-16-75	1	5.6	0	96	0.3	475	1.15	0	0.004	5.70
11-16-75	NO SAMPLE AVAILABLE - DRY		0	0	0	0	0	0	0	0
12-19-75	NO SAMPLE AVAILABLE - DRY		0	0	0	0	0	0	0	0
01-14-76	NO SAMPLE AVAILABLE - FROZEN		-	-	-	-	-	-	-	-
MIN.	0	5.6	0	96	0.3	475	0	0	0	0
MAX.	1	5.6	0	96	0.3	475	1.15	0	0.004	5.70
AVG.	0.3	1.9					0.38	0	0.001	1.90

PINEY CREEK WATERSHED WEIR NUMBER PY-166 Strip mine discharge to unnamed tributary to Piney Creek southwest of Mechanicsville.

DATE	GPM	pH	PPM				PPD			
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄
10-21-75	NO SAMPLE AVAILABLE - DRY		0	0	0	0	0	0	0	0
11-20-75	6	7.2	4	152	0.1	75	10.9	0.29	0.01	5.40
12-22-75	12	8.1	18	138	0.3	115	19.9	2.59	0.04	16.6
01-22-75	9	8.6	0	128	0.2	70	121	0	0.02	7.56
MIN.	0	7.2	4	128	0.1	70	0	0	0	0
MAX.	12	8.6	18	152	0.3	115	121	2.59	0.04	7.56
AVG.	6.8	6.0					38.0	0.72	0.02	7.39

PINEY CREEK WATERSHED WEIR NUMBER PY-168 Gas well discharge to Piney Creek at Kingsville.

DATE	GPM	pH	PPM				PPD			
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄
11-10-75	1	6.4	0	78	9.5	375	0.93	0	0.11	4.50
11-19-75	1	6.5	0	114	8.9	83	1.37	0	0.11	1.00
12-16-75	NO SAMPLE AVAILABLE - UNDER WATER		-	-	-	-	-	-	-	-
01-14-76	NO SAMPLE AVAILABLE - UNDER WATER		-	-	-	-	-	-	-	-
MIN.	1	6.4	0	78	8.9	83	0.93	0	0.11	1.00
MAX.	1	6.5	0	114	9.5	375	1.37	0	0.11	4.50
AVG.	0.5	3.2					0.58	0	0.06	1.38

PINEY CREEK WATERSHED WEIR NUMBER PY-172 Strip mine discharge to unnamed tributary of Piney Creek east of Kingsville.

DATE	GPM	pH	PPM				PPD			
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄
10-27-75	12	6.8	0	80	0.7	140	11.5	0	0.10	20.2
11-19-75	12	6.5	0	28	0.2	35	4.03	0	0.03	5.04
12-16-75	284	6.1	12	26	0.2	45	89	40.9	0.68	153
01-14-76	193	6.8	10	26	0.3	50	60	23.2	0.69	116
MIN.	12	6.1	0	26	0.2	35	4.03	0	0.03	5.04
MAX.	284	6.8	12	80	0.7	140	89	40.9	0.69	153
AVG.	125	6.6					41.1	16.0	0.38	73

PINEY CREEK WATERSHED WEIR NUMBER PY-173 Seepage discharge to unnamed tributary of Piney Creek east of Kingsville.

DATE	GPM	pH	PPM				PPD			
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄
10-27-75	6	7.4	14	200	1.1	450	14.4	1.01	0.08	32.4
11-19-75	NO SAMPLE AVAILABLE - DRY		0	0	0	0	0	0	0	0
12-19-75	NO SAMPLE AVAILABLE - DRY		0	0	0	0	0	0	0	0
01-14-76	NO SAMPLE AVAILABLE - DRY		0	0	0	0	0	0	0	0
MIN.	0	7.4	14	200	1.1	450	0	0	0	0
MAX.	6	7.4	14	200	1.1	450	14.4	1.01	0.08	32.4
AVG.	1.5	1.9					3.60	0.25	0.02	8.10

PINEY CREEK WATERSHED WEIR NUMBER PY-196 Seepage discharge to Piney Creek northwest of Sutton.

DATE	GPM	pH	PPM				PPD			
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄
10-28-75	1	7.0	8	80	0.5	520	0.96	0.10	0.006	6.24
11-17-75	1	5.0	16	36	0.3	550	0.43	0.19	0.003	6.60
12-16-75	1	5.9	16	76	0.6	500	0.91	0.19	0.007	6.00
01-14-76	NO SAMPLE AVAILABLE - FROZEN		-	-	-	-	-	-	-	-
02-18-76	1	8.3	-	52	0.8	108	0.62	-	0.010	1.30
MIN.	1	5.0	8	36	0.3	108	0.43	0.10	0.003	1.30
MAX.	1	8.3	16	80	0.8	550	0.96	0.19	0.01	6.60
AVG.	1.0	6.6					0.73	0.12	0.007	5.04

PINEY CREEK WATERSHED WEIR NUMBER PY-308 Seepage discharge to unnamed tributary to Brush Run east of Williamsburg.

DATE	GPM	pH	PPM				PPD			
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄
10-20-75	12	6.2	0	16	0.1	32	2.30	0	0.014	4.61
11-20-75	4	6.1	4	22	0.1	100	1.06	0.19	0.005	4.80
12-19-75	4	6.2	6	12	0.1	60	0.58	0.29	0.005	2.88
01-19-76	6	6.1	8	14	2	63	1.01	0.58	0.01	4.54
MIN.	4	6.1	0	12	0.1	32	0.58	0	0.005	2.88
MAX.	12	6.2	8	22	2	100	2.30	0.58	0.01	4.80
AVG.	6.5	6.2					1.24	0.27	0.009	4.21

PINEY CREEK WATERSHED WEIR NUMBER PY-317 Strip mine discharge to unnamed tributary to Brush Run west of Mechanicsville.

DATE	GPM	pH	PPM				PPD			
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄
10-20-75	12	6.2	4	8	0.2	30	1.15	0.60	0.03	4.32
11-20-75	2	5.8	4	24	5.5	45	0.58	0.10	0.13	1.08
12-19-75	12	6.6	4	30	0.3	33	4.32	0.60	0.04	4.75
01-19-76	22	4.8	20	12	0.2	115	3.17	5.28	0.05	30.4
MIN.	2	4.8	4	8	0.2	30	0.58	0.10	0.03	0.03
MAX.	22	6.6	20	30	5.5	115	4.32	5.28	0.13	30.4
AVG.	12	5.9					2.31	1.65	0.06	10.1

PINEY CREEK WATERSHED WEIR NUMBER PY-337 Seepage discharge to Brush Run northwest of Mechanicsville.

DATE	GPM	pH	PPM				PPD				
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄	
01-22-76			NO SAMPLE AVAILABLE - FROZEN	-	-	-	-	-	-	-	-
02-20-76	2	5.1	8	12	0.08	60	0.29	0.19	0.002	1.44	
03-17-76			NO SAMPLE AVAILABLE - DRY	0	0	0	0	0	0	0	
MIN.	0	5.1	8	12	0.08	60	0	0	0	0	
MAX.	2	5.1	8	12	0.08	60	0.29	0.19	0.002	1.44	
AVG.	0.7	1.7					0.10	0.06	0.001	0.48	

PINEY CREEK WATERSHED WEIR NUMBER PY-363 Seepage discharge to unnamed tributary to Brush Run northwest of Stone House.

DATE	GPM	pH	PPM				PPD			
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄
10-23-75			NO SAMPLE AVAILABLE - DRY	0	0	0	0	0	0	0
11-20-75			NO SAMPLE AVAILABLE - DRY	0	0	0	0	0	0	0
12-22-75			NO SAMPLE AVAILABLE - DRY	0	0	0	0	0	0	0
01-19-76			NO SAMPLE AVAILABLE - DRY	0	0	0	0	0	0	0
02-27-76	2	7.9	4	144	1.3	225	3.46	0.10	0.03	5.40
03-19-76			NO SAMPLE AVAILABLE - DRY	0	0	0	0	0	0	0
MIN.	0	7.9	4	144	1.3	225	0	0	0	0
MAX.	2	7.9	4	144	1.3	225	3.46	0.10	0.03	5.40
AVG.	0.3	1.3					0.58	0.02	0.005	0.90

PINEY CREEK WATERSHED WEIR NUMBER PY-364 Seepage discharge to unnamed tributary to Brush Run northwest of Stone House.

DATE	GPM	pH	PPM				PPD			
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄
11-20-75			NO SAMPLE AVAILABLE - DRY	0	0	0	0	0	0	0
12-22-75			NO SAMPLE AVAILABLE - DRY	0	0	0	0	0	0	0
01-19-76			NO SAMPLE AVAILABLE - DRY	0	0	0	0	0	0	0
02-27-76	6	7.8	4	24	0.2	75	1.73	0.29	0.01	5.40
03-23-76	2	3.5	150	-	3.8	430	-	3.60	0.09	10.3
MIN.	0	3.5	4	24	0.2	75	0	0	0	0
MAX.	6	7.8	150	24	3.8	430	1.73	3.60	0.09	10.3
AVG.	1.6	2.3					0.35	0.78	0.02	3.14

PINEY CREEK WATERSHED WEIR NUMBER PY-365 Seepage discharge to unnamed tributary to Brush Run northwest of Stone House.

DATE	GPM	pH	PPM				PPD			
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄
11-20-75			NO SAMPLE AVAILABLE - DRY	0	0	0	0	0	0	0
12-22-75			NO SAMPLE AVAILABLE - DRY	0	0	0	0	0	0	0
01-19-76			NO SAMPLE AVAILABLE - DRY	0	0	0	0	0	0	0
02-27-76	2	7.7	6	28	0.1	75	0.67	0.14	0.002	1.80
03-23-76	2	3.5	134	-	3.8	410	-	3.22	0.09	9.84
MIN.	0	3.5	6	28	0.1	75	0	0	0	0
MAX.	2	7.7	134	28	3.8	410	0.67	3.22	0.09	9.84
AVG.	0.8	2.2					0.13	0.67	0.02	2.33

PINEY CREEK WATERSHED WEIR NUMBER PY- 401 Seepage discharge to unnamed tributary to Little Piney Creek north of Limestone.

DATE	GPM	pH	PPM				PPD				
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄	
10-30-75	22	6.6	41	41	0.5	28	10.8	10.8	0.13	7.39	
11-20-75	4	6.2	4	124	0.6	55	5.95	0.19	0.03	2.64	
12-22-75	6	6.6	20	32	0.7	65	2.30	1.44	0.05	4.68	
01-14-76	NO SAMPLE AVAILABLE - FROZEN										
02-23-76	12	7.1	8	30	0.5	75	4.32	1.15	0.07	10.8	
MIN.	4	6.2	4	30	0.5	28	2.30	0.19	0.03	2.64	
MAX.	27	7.1	41	124	0.7	75	10.8	10.8	0.13	10.8	
AVG.	11	6.6					5.84	3.40	0.07	6.38	

PINEY CREEK WATERSHED WEIR NUMBER PY-402 Seepage discharge to unnamed tributary to Little Piney Creek north of Limestone.

DATE	GPM	pH	PPM				PPD				
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄	
10-30-75	1	6.3	0	104	0.4	40	1.25	0	0.005	0.48	
11-20-75	1	6.2	12	96	1.2	95	1.15	0.14	0.01	1.14	
12-22-75	NO SAMPLE AVAILABLE - DRY										
01-14-76	NO SAMPLE AVAILABLE - FROZEN										
02-23-76	1	8.0	4	94	0.4	90	1.13	0.05	0.005	1.08	
MIN.	0	6.2	4	94	0.4	40	0	0	0	0	
MAX.	1	8.0	12	104	1.2	95	1.25	0.14	0.01	1.14	
AVG.	0.8	5.1					0.88	0.05	0.005	0.68	

PINEY CREEK WATERSHED WEIR NUMBER PY-413 Seepage discharge to Little Piney Creek south of Waterson.

DATE	GPM	pH	PPM				PPD				
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄	
10-30-75	22	6.2	2	15	0.2	70	3.96	0.53	0.05	18.5	
11-19-75	6	6.3	4	16	0.2	300	1.15	0.29	0.01	21.6	
01-14-76	NO SAMPLE AVAILABLE - FROZEN										
MIN.	6	6.2	2	15	0.2	70	1.15	0.29	0.01	18.5	
MAX.	22	6.3	4	16	0.2	300	3.96	0.53	0.05	21.6	
AVG.	14	6.3					2.56	0.41	0.03	20.1	

PINEY CREEK WATERSHED WEIR NUMBER PY-414 Seepage discharge to Little Piney Creek south of Waterson.

DATE	GPM	pH	PPM				PPD				
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄	
10-30-75	1	6.1	6	15	0.04	65	0.18	0.07	0.001	0.78	
11-19-75	2	6.1	4	16	0.4	300	0.38	0.10	0.01	7.20	
12-17-75	4	6.0	4	14	0.05	75	0.67	0.19	0.002	3.60	
01-14-76	NO SAMPLE AVAILABLE - FROZEN										
MIN.	1	6.0	4	14	0.04	65	0.18	0.07	0.001	0.78	
MAX.	4	6.1	6	16	0.4	300	0.67	0.19	0.01	7.20	
AVG.	2.3	6.1					0.41	0.12	0.004	3.86	

PINEY CREEK WATERSHED WEIR NUMBER PY-416 Seepage discharge to unnamed tributary to Little Piney Creek southeast of

DATE	GPM	pH	PPM				PPD			
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄
10-30-75	NO SAMPLE AVAILABLE - DRY			0	0	0	0	0	0	0
11-19-75	NO SAMPLE AVAILABLE - DRY			0	0	0	0	0	0	0
12-22-75	NO SAMPLE AVAILABLE - DRY			0	0	0	0	0	0	0
01-14-76	NO SAMPLE AVAILABLE - DRY			0	0	0	0	0	0	0
02-16-76	NO SAMPLE AVAILABLE - DRY			0	0	0	0	0	0	0
03-16-76	NO SAMPLE AVAILABLE - DRY			0	0	0	0	0	0	0
MIN.	0	0	0	0	0	0	0	0	0	0
MAX.	0	0	0	0	0	0	0	0	0	0
AVG.	0	0					0	0	0	0

PINEY CREEK WATERSHED WEIR NUMBER PY-420 Seepage discharge to unnamed tributary to Little Piney Creek southwest of

DATE	GPM	pH	ACD	PPM			PPD			
				ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄
10-28-75	2	6.1	2	32	0.3	130	0.80	0.05	0.01	Holden. 3.12
11-18-75	2	5.1	0	32	0.1	65	0.77	0	0	0.002
12-16-75	1	6.2	56	32	0.2	168	0.38	0.67	0.67	0.002
01-14-76	2	6.8	10	24	1.7	55	0.58	0.24	0.24	0.04
02-16-76	12	7.1	4	22	0.3	63	3.17	0.58	0.04	9.07
03-16-76	2	7.6	18	48	0.1	205	1.15	0.43	0.002	4.92
04-19-76	1	5.8	6	34	119.5	100	0.41	0.07	1.43	1.20
05-17-76	1	6.1	16	54	1.5	100	0.65	0.19	0.02	1.20
MIN.	1	5.1	0	22	0.1	55	0.38	0	0	0.002
MAX.	12	7.6	56	54	119.5	205	3.17	0.67	1.43	9.07
AVG.	2.9	6.4					0.99	0.28	0.30	2.44

PINEY CREEK WATERSHED WEIR NUMBER PY-426 Sludge pond intake from W.P. Stahlman tipple, Little Piney Creek northeast of Holden.

DATE	GPM	pH	PPM				PPD			
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄
10-28-75	193	4.2	484	45	110	1650	104	1121	255	3821
11-18-75	193	5.8	20	40	105.0	3100	93	46.3	243	7180
12-16-75	NO SAMPLE AVAILABLE - DRY			0	0	0	0	0	0	0
01-14-76	NO SAMPLE AVAILABLE - DRY			0	0	0	0	0	0	0
02-18-76	193	4.4	34	18	10.0	270	41.7	79	23.2	625
03-18-76	NO SAMPLE AVAILABLE - DRY			0	0	0	0	0	0	0
MIN.	0	4.2	20	18	10.0	270	0	0	0	0
MAX.	193	5.8	484	45	110	3100	104	1121	255	7180
AVG.	96	2.4					39.8	208	87	1938

PINEY CREEK WATERSHED WEIR NUMBER PY-502 Seepage discharge to Gather's Run to Piney Creek southwest of Reidsburg.

DATE	GPM	pH	PPM			PPD				
			ACD	ALK	T.Fe	ALK	ACD	T.Fe	SO ₄	
10-16-75	2	5.6	0	100	4.7	120	2.40	0	0.11	2.88
11-19-75	1	6.4	0	40	0.2	70	0.48	0	0.003	0.84
12-18-75	4	6.3	14	26	0.4	165	1.25	0.67	0.02	7.92
01-16-76	6	6.1	20	20	0.1	140	1.44	1.44	0.01	10.1
MIN.	1	5.6	0	20	0.1	70	0.48	0	0.003	0.84
MAX.	6	6.4	20	100	4.7	165	2.40	1.44	0.11	10.1
AVG.	3.3	6.1					1.39	0.53	0.04	5.44

PINEY CREEK WATERSHED WEIR NUMBER PY-901 Seepage discharge to unnamed tributary to Poe Run northwest of Crates.

DATE	GPM	pH	PPM				PPD			
			ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄
10-27-75	6	6.0	4	12	2.5	300	0.90	0.01	0.18	22.0
11-26-75	9	5.5	4	8	2.9	95	0.86	0.43	0.31	10.3
12-22-75	12	6.0	20	14	4.8	80	2.02	2.88	0.69	1.92
01-14-76	NO SAMPLE AVAILABLE - FROZEN									
MIN.	6	5.5	4	8	2.5	80	0.86	0.01	0.18	1.92
MAX.	12	6.0	20	14	4.8	300	2.02	2.88	0.69	22.0
AVG.	9	5.8					1.26	1.11	0.39	11.4

PINEY CREEK WATERSHED WEIR NUMBER PY-903 Seepage discharge to unnamed tributary to Poe Run west of Crates.

DATE	GPM	pH	ACD	ALK	T.Fe	SO ₄	ALK	ACD	T.Fe	SO ₄
10-30-75	12	6.8	2	44	0.1	60	6.34	0.28	0.01	8.64
11-26-75	6	6.2	0	20	0.3	60	1.44	0	0.02	4.32
12-22-75	6	6.8	24	26	0.2	75	1.87	1.73	0.01	5.40
01-20-76	6	7.3	10	46	0.2	110	3.31	0.72	0.01	7.92
MIN.	6	6.2	0	20	0.1	60	1.44	0	0.01	4.32
MAX.	12	7.3	24	46	0.3	110	6.34	1.73	0.02	8.64
AVG.	7.5	6.8					3.24	0.68	0.01	6.57