

WATER QUALITY DATA SUMMARY																											
Laurel Land Development																		SMP 11960108									
Blacklick Township																		Cambria County									
Description-L.K. deep mine discharge																		Latitude					Longitude				
Sample Date	Monitoring Point	Sample Number	Flow (gpm)	pH (field)	pH (lab)	Specific Conduct. (umhos/cm)	Temp. (deg. C)	Total Acidity (calculated) (mg/l)	Net Acidity (lab) (mg/l)	Total Alkalinity (mg/l)	Total Fe (mg/l)	Ferrous Fe (mg/l)	Total Al (mg/l)	Total Mn (mg/l)	Total Mg (mg/l)	Total Ca (mg/l)	Total Sulfates (mg/l)	Total Hardness (mg/l)	Susp. Solids (mg/l)	Acid Loading (lbs/day)	Fe Loading (lbs/day)	Mn Loading (lbs/day)	Al Loading (lbs/day)				
9/30/88	1		3.0		2.59	1020	nd	163.48	226	0	10.52			4.16			441		16.6	8.15	0.38	0.15	0.00				
10/25/88	1		3.5		3.23	565		59.55	107	0	9.16			3.12			280		3.2	4.50	0.39	0.13	0.00				
5/28/92	1		3.6		3.50	1025		38.68	14	0	6.65			2.80			438		0.7	0.61	0.29	0.12	0.00				
6/23/92	1		4.0		2.90	1050		94.08	196	0	9.13			3.86			629		1.3	9.42	0.44	0.19	0.00				
7/29/92	1		3.9		2.90	1050		104.68	210	0	12.70			4.41			582		5.0	9.84	0.60	0.21	0.00				
8/19/92	1		4.3		2.80	1150		107.30	226	0	8.61			3.00			500		1.7	11.68	0.45	0.16	0.00				
9/16/92	1		3.6		2.90	1200		98.36	212	0	10.70			3.89			582		0.7	9.17	0.46	0.17	0.00				
10/23/92	1		4.4		3.01	1220		102.53	218	0	16.90			4.71			539		2.0	11.53	0.89	0.25	0.00				
12/8/92	1		3.5		2.71	1020		130.36	260	0	10.65			2.70			429		2.7	10.94	0.45	0.11	0.00				
3/19/93	1		165.0		2.90	929		161.01	183	0	8.99		12.82	1.65			290		<2	362.94	17.83	3.27	25.43				
3/29/93	1		4.2		3.10	668		52.26	102	0	3.90			1.28			281		0.3	5.15	0.20	0.06	0.00				
3/29/93	1		220.5		3.08	651		86.53	102	0	4.20		5.68	1.28			173		<2	270.34	11.13	3.39	15.05				
4/15/93	1		0.1		3.03	788		113.95	138	0	5.05		9.21	1.53			232		<2	0.17	0.01	0.00	0.01				
4/26/93	1		8.2		3.04	686		95.70	111	0	3.77		6.82	1.28			205		<2	10.91	0.37	0.13	0.67				
5/5/93	1		5.1		3.01	680		100.67	111	0	3.41		7.29	1.33			204		<2	6.30	0.21	0.08	0.45				
5/17/93	1		7.1		2.96	805		123.89	137	0	5.30		9.39	1.62			221		<2	11.73	0.45	0.14	0.80				
6/1/93	1		1.2		3.04	837		128.76	160	0	5.54		11.74	1.79			246		2.0	2.31	0.08	0.03	0.17				
6/17/93	1	4344510	0.0		3.30			86.00	148	0	3.89		8.57	1.63			158		6.0	0.00	0.00	0.00	0.00				
6/17/93	1		1.2		3.10	771		106.58	138	0	4.82		9.24	1.52			240		<2	1.98	0.07	0.02	0.13				
6/25/93	1		3.5		3.10	902		53.82	162	0	3.98			2.02			367		0.3	6.82	0.17	0.08	0.00				
7/23/93	1		1.0		2.96	901		159.20	190	0	6.30		15.08	2.15			324		<2	2.28	0.08	0.03	0.18				
8/6/93	1		0.2		2.97	937		169.28	202	0	8.77		15.90	2.21			316		<2	0.36	0.02	0.00	0.03				
8/24/93	1		7.0		2.92	941		164.62	185	0	6.77		14.63	2.92			318		2.0	15.53	0.57	0.25	1.23				
9/24/93	1		3.0		2.99	870		155.84	162	0	8.43		13.72	3.31			309		<2	5.85	0.30	0.12	0.49				
9/30/93	1		3.0		2.85	940		96.06	204	0	8.14			2.22			380		1.2	7.36	0.29	0.08	0.00				
10/13/93	1		0.1		3.09	946		151.16	196	0	8.59		15.04	2.21			331		<2	0.14	0.01	0.00	0.01				
10/25/93	1	4344646	0.0		3.00			175.86	208	0	10.00		16.80	3.21			189		10.0	0.00	0.00	0.00	0.00				
10/25/93	1		0.2		2.91	1001		184.31	219	0	11.20		15.92	2.49			386		<2	0.39	0.02	0.00	0.03				
11/10/93	1		0.1		2.96	991		180.01	209	0	10.72		16.66	2.22			363		4.0	0.15	0.01	0.00	0.01				
11/23/93	1		1.7		2.94	875		139.05	164	0	7.54		10.50	1.84			329		<2	3.35	0.15	0.04	0.21				
12/7/93	1		3.1		2.99	700		62.12	132	0	3.26			1.40			213		0.8	4.92	0.12	0.05	0.00				
12/13/93	1		6.9		3.00	703		106.22	325	0	4.69		7.40	1.53			246		2.0	26.91	0.39	0.13	0.61				
12/28/93	1		0.8		3.04	819		133.57	147	0	5.64		12.56	1.78			307		<2	1.41	0.05	0.02	0.12				
1/5/94	1		0.1		2.87	989		170.48	198	0	8.30		13.94	1.99			344		<2	0.24	0.01	0.00	0.02				
1/20/94	1		0.2		2.93	989		161.12	198	0	8.48		13.72	2.00			301		<2	0.48	0.02	0.00	0.03				
3/18/94	1	4305100	0.0		4.20			21.17	30	4	1.71		2.29	0.38			116		<3	0.00	0.00	0.00	0.00				
3/28/94	1		3.5		3.20	744		46.92	126	0	4.48			1.95			300		40.3	5.30	0.19	0.08	0.00				
6/30/94	1		4.3		3.00	965		66.71	170	0	4.47			2.77			438		0.3	8.79	0.23	0.14	0.00				
7/21/94	1	4346271	0.0		3.10			140.05	174	0	6.75		13.60	3.73			143		8.0	0.00	0.00	0.00	0.00				
9/29/94	1		3.0		3.00	1090		71.92	184	0	5.94			3.46			374		1.0	6.64	0.21	0.12	0.00				
12/13/94	1		3.0		3.02	660		63.45	138	0	4.50			2.16			256		0.8	4.98	0.16	0.08	0.00				
3/6/95	1	4346078	0.0		3.10			103.20	110	0	3.16		9.27	2.02			230		14.0	0.00	0.00	0.00	0.00				
3/31/95	1		12.8		2.91	770		77.78	168	0	4.38			2.70			380		0.8	25.85	0.67	0.42	0.00				
6/30/95	1		4.8		2.72	900		114.47	192	0	5.05			3.45			274		0.4	11.08	0.29	0.20	0.00				
9/6/95	1	4346332	0.0		3.00			165.85	200	0	8.69		15.30	4.23			333		10.0	0.00	0.00	0.00	0.00				
12/1/95	1	4346454	0.0		3.10			119.04	130	0	3.70		11.70	2.50			304		<3	0.00	0.00	0.00	0.00				
3/12/96	1	4328074	0.0		3.10			94.56	96	0	2.02		8.36	1.74			209		<3	0.00	0.00	0.00	0.00				
7/24/96	1	4328308	0.0		3.10			108.01	122	0	2.98		10.20	2.09			234		<3	0.00	0.00	0.00	0.00				
9/23/96	1		50.3		3.20	1010		103.68	140	0	3.83		10.02	3.46			372		1.3	84.64	2.32	2.09	6.06				
6/27/97	1		12.4		3.00	907		64.39	162	0	3.60			2.78			345		0.3	24.15	0.54	0.41	0.00				
6/27/97	1	4340-846			3.10	910		123.21	152	0	4.63		11.80	3.11			265		<2	0.00	0.00	0.00	0.00				
7/9/97	1	4328426	0.0		2.90			85.79	152	0	3.74		<.5	6.50			318		<3	0.00	0.00	0.00	#VALUE!				

WATER QUALITY DATA SUMMARY																																		
Laurel Land Development																			SMP 11960108															
Blacklick Township																			Cambria County				Fig.4 MP#		15									
Description-L.K. deep mine discharge																			Latitude		40-29-57		Longitude		78-51-36									
Sample Date	Monitoring Point	Sample Number	Flow (gpm)	pH (field)	pH (lab)	Specific Conduct. (umhos/cm)	Temp. (field) (deg. C)	Total Acidity (calculated) (mg/l)	Net Acidity (lab) (mg/l)	Total Alkalinity (mg/l)	Total Fe (mg/l)	Ferrous Fe (mg/l)	Total Al (mg/l)	Total Mn (mg/l)	Total Mg (mg/l)	Total Ca (mg/l)	Total Sulfates (mg/l)	Total Hardness (mg/l)	Susp. Solids (mg/l)	Acid Loading (lbs/day)	Fe Loading (lbs/day)	Mn Loading (lbs/day)	Al Loading (lbs/day)											
9/24/97	1	4340-876	5.3	3.10	990	153.06	160	0	7.62	15.20	4.70	301	12.0	10.19	0.49	0.30	0.97																	
12/17/97	1	4340-902		3.10	926	121.95	148	0	5.29	11.30	2.97	247	<2	0.00	0.00	0.00	0.00																	
3/16/98	1	4340-912	90.3	3.20	800	87.88	112	0	2.86	7.97	2.48	116	<2	121.57	3.10	2.69	8.65																	

WATER QUALITY DATA SUMMARY																											
Laurel Land Development																		SMP 11960108		Fig. 4 MP#		18					
Blacklick Township																		Cambria County									
Description-L.K. seep northeast of permit																		Latitude		40-29-56		Longitude		78-51-22			
Sample	Monitoring	Sample	Flow	pH	pH	Specific	Temp.	Total Acidity	Net Acidity	Total	Total	Total	Total	Total	Total	Total	Susp.	Acid	Fe	Mn	Al						
Date	Point	Number	(gpm)	(field)	(lab)	Conduct.	(deg. C)	(calculated)	(lab)	Alkalinity	Fe	Fe	Al	Mn	Mg	Ca	Sulfates	Hardness	Solids	Loading	Loading						
						(umhos/cm)		(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)				
9/30/88	3		1.0		2.64	640	nd	121.01	141	0	1.58						242		10.4	1.69	0.02	0.02	nd				
10/25/88	3		2.2		3.12	598		44.35	108	0	1.32						242		7.6	2.86	0.03	0.05	nd				
1/23/89	3		2.5		2.89	652		71.65	121	0	1.68						225		9.7	3.64	0.05	0.05	nd				
2/9/89	3		2.0		2.69	606		160.13	156	0	20.50						239		454.0	3.75	0.49	0.05	nd				
3/31/89	3		2.2		2.90	600		69.32	132	0	1.45						186		0.8	3.49	0.04	0.04	nd				
4/20/89	3		1.0		2.70	680		108.40	134	0	2.32						258		36.4	1.61	0.03	0.02	nd				
12/27/89	3		1.0		2.80	497		85.51	92	0	1.52						189		68.4	1.11	0.02	0.02	nd				
6/26/90	3		1.0		2.66	600		131.77	52	0	7.66						165		158.4	0.63	0.09	0.02	nd				
12/19/90	3		2.0		2.85	540		76.00	106	0	1.30						209		3.2	2.55	0.03	0.03	nd				
3/26/91	3		1.0		3.21	460		37.18	92	0	1.80						162		13.2	1.11	0.02	0.01	nd				
9/24/91	3		1.0		3.11	540		63.48	124	0	7.04						248		23.2	1.49	0.08	0.04	nd				
12/3/91	3		2.0		2.68	690		113.43	176	0	2.36						229		5.6	4.23	0.06	0.04	nd				
3/31/92	3		2.0		3.84	352		18.85	38	0	3.38						111			0.91	0.08	0.03	nd				
12/8/92	3		1.0		3.05	580		53.53	136	0	2.40						220		1.2	1.63	0.03	0.02	nd				
3/19/93	3		24.0		3.13	680		77.84	95	0	0.61		6.71	1.13			205		<2	27.46	0.18	0.33	1.94				
3/29/93	3		302.0		3.59	462		29.63	53	0	0.33		2.64	0.71			136		16.0	190.94	1.20	2.58	9.58				
4/15/93	3		28.6		3.33	513		46.62	56	0	0.31		3.78	0.84			132		<2	19.32	0.11	0.29	1.30				
4/26/93	3		23.4		3.33	451		40.67	50	0	0.22		2.82	0.64			137		<2	13.95	0.06	0.18	0.79				
5/5/93	3		8.1		3.32	463		41.35	52	0	0.21		2.84	0.67			139		2.0	5.06	0.02	0.07	0.28				
5/17/93	3		3.8		3.32	505		48.37	58	0	0.27		3.99	0.92			143		<2	2.64	0.01	0.04	0.18				
6/1/93	3		0.5		3.39	489		45.07	60	0	0.35		4.02	0.84			148		8.0	0.36	0.00	0.01	0.02				
6/17/93	3		2.6		3.39	513		43.12	67	0	0.30		3.71	0.79			161		4.0	2.10	0.01	0.02	0.12				
9/30/93	3		0.5		3.12	500		43.23	80	0	1.34			1.08			167		1.2	0.48	0.01	0.01	0.00				
10/13/93	3		0.1		3.44	630		60.90	88	0	0.46		7.07	1.26			233		<2	0.05	0.00	0.00	0.00				
11/10/93	3		0.1		3.28	706		81.48	101	0	0.56		9.16	1.62			271		<2	0.12	0.00	0.00	0.01				
11/23/93	3		1.7		3.20	636		70.12	85	0	0.57		6.33	1.12			221		<2	1.74	0.01	0.02	0.13				
12/13/93	3		14.5		3.27	517		46.91	150	0	0.31		3.22	0.82			173		<2	26.06	0.05	0.14	0.56				
12/28/93	3		0.1		3.35	545		57.85	68	0	0.31		5.93	1.01			208		<2	0.08	0.00	0.00	0.01				
6/8/94	3	4346229			3.00			137.99	166	0	4.19		13.00	2.60			230			nd	nd	nd	nd				
3/6/95	3	4346074			3.30			63.90	74	0	<.3		6.35	1.80			245		14.0	nd	nd	nd	nd				
9/6/95	3	4346339			3.40			96.55	106	0	1.47		12.30	2.41			290		<.3	nd	nd	nd	nd				
4/2/96	3	4328131			3.20			106.37	124	0	2.47		11.50	2.42			294		<.3	nd	nd	nd	nd				
5/1/96	3		12.4		3.30	744		67.06	84	0	0.28		6.74	2.15			236		2.3	12.52	0.04	0.32	1.00				
3/4/97	3	4328122			3.40			47.50	66	0	<.3		4.29	1.90			190		<.3	nd	nd	nd	nd				
4/2/97	3	4328-219			3.40			51.08	64	0	<.3		4.87	2.09			286		<.3	nd	nd	nd	nd				

WATER QUALITY DATA SUMMARY																								
Laurel Land Development			SMP 11960108																					
Blacklick Township			Cambria County																					
Description-Unnamed Trib SBBC			Latitude		40-29-34		Longitude		78-51-46												Fig.4 MP#		19	
Sample Date	Monitoring Point	Sample Number	Flow (gpm)	pH (field)	pH (lab)	Specific Conduct. (umhos/cm)	Temp. (deg. C)	Total Acidity (calculated) (mg/l)	Net Acidity (lab) (mg/l)	Total Alkalinity (mg/l)	Total Fe (mg/l)	Ferrous Fe (mg/l)	Total Al (mg/l)	Total Mn (mg/l)	Total Mg (mg/l)	Total Ca (mg/l)	Total Sulfates (mg/l)	Total Hardness (mg/l)	Susp. Solids (mg/l)	Acid Loading (lbs/day)	Fe Loading (lbs/day)	Mn Loading (lbs/day)	Al Loading (lbs/day)	
3/19/93	12		612.0	4.54	80	nd	nd	10	<1	<.04	nd	N/D	0.28			21		<2	75.03	nd	2.06	nd		
4/15/93	12		312.0	4.37	76	nd	nd	9	0	0.10	nd	N/D	0.30			18		<2	33.00	0.38	1.13	nd		
5/17/93	12		78.0	4.45	68	nd	nd	8	0	0.16	nd	N/D	0.32			15		2.0	7.31	0.15	0.30	nd		
6/1/93	12		168.0	4.78	70	nd	nd	6	<1	0.12	nd	N/D	0.30			16		4.0	11.71	0.24	0.61	nd		
8/24/93	12		1.0	4.50	59	nd	nd	10	0	0.08	nd	N/D	0.25			13		2.0	0.12	0.00	0.00	nd		
5/8/96	12		104.0	4.90	72	nd	nd	3.25	0	10	nd	0.36	0.28			18		0.3	0.00	0.05	0.35	0.45		
6/10/96	12		1.0	4.60	70	nd	nd	4.15	2	6	nd	0.40	0.31			16		1.0	0.02	0.00	0.00	0.00		
4/2/97	12	4328-222		4.80		nd	nd	10	7	<.3	nd	0.67	0.24			<20		<3	0.00	nd	0.00	0.00		

WATER QUALITY DATA SUMMARY																								
Laurel Land Development			SMP 11960108																					
Blacklick Township			Cambria County																					
Description-Coalpit Run - Downstream			Latitude		40-29-46		Longitude		78-52-03												Fig.4 MP#		21	
Sample Date	Monitoring Point	Sample Number	Flow (gpm)	pH (field)	pH (lab)	Specific Conduct. (umhos/cm)	Temp. (deg. C)	Total Acidity (calculated) (mg/l)	Net Acidity (lab) (mg/l)	Total Alkalinity (mg/l)	Total Fe (mg/l)	Ferrous Fe (mg/l)	Total Al (mg/l)	Total Mn (mg/l)	Total Mg (mg/l)	Total Ca (mg/l)	Total Sulfates (mg/l)	Total Hardness (mg/l)	Susp. Solids (mg/l)	Acid Loading (lbs/day)	Fe Loading (lbs/day)	Mn Loading (lbs/day)	Al Loading (lbs/day)	
3/22/93	61		8512.0	4.28	251	nd	5.55	25	0	0.75		nd	0.51				86		2.0	2516.93	76.74	52.18	nd	
4/15/93	61		10550.0	3.87	301		10.04	32	0	0.83		nd	0.61				104		2.0	4083.31	105.25	77.35	nd	
5/17/93	61		2517.0	4.11	270		6.57	26	0	0.61		nd	0.59				97		2.0	795.69	18.46	17.85	nd	
6/1/93	61		3108.0	4.77	245		2.89	26	<1	0.39		nd	0.55				74		4.0	960.10	14.57	20.55	nd	
7/23/93	61		726.0	4.43	328		4.15	29	0	0.30		nd	0.82				133		<2	255.69	2.62	7.16	nd	
8/24/93	61		TLG	4.55	312		3.57	21	<1	0.23		nd	0.85				103		2.0	nd	nd	nd	nd	
5/1/96	61		TLG	4.40	241		14.57	16	6	0.37		1.93	0.47				71		2.0	nd	nd	nd	nd	
4/2/97	61	4328-213		4.30			18.77	22	4	0.43		2.54	0.55				100		<3	0.00	0.00	0.00	0.00	
6/27/97	61		150.0	4.00	482		8.27	58	0	0.41		nd	1.21				197		0.7	104.57	0.74	2.18	nd	

WATER QUALITY DATA SUMMARY																									
Laurel Land Development			SMP 11960108																						
Blacklick Township			Cambria County																						
Description-Coalpit Run - Upstream			Latitude		40-30-00		Longitude		78-51-33													Fig.4 MP#		22	
Sample	Monitoring	Sample	Flow	pH	pH	Specific	Temp.	Total Acidity	Net Acidity	Total	Total	Ferrous	Total	Total	Total	Total	Total	Susp.	Acid	Fe	Mn	Al			
Date	Point	Number	(gpm)	(field)	(lab)	(umhos/cm)	(deg. C)	(mg/l)	(mg/l)	Alkalinity	Fe	Fe	Al	Mn	Mg	Ca	Sulfates	Hardness	Solids	Loading	Loading	Loading	Loading		
								(calculated)	(lab)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)	
11/26/93	61-A		450.0		3.51	449	nd	50.53	58	0	0.57		5.72	1.00			150		<2	311.56	3.08	5.41	30.94		
1/25/94	61-A		620.0		3.71	367		12.46	49	0	0.41		nd	0.92			137		<2	362.93	3.06	6.86	nd		
2/2/94	61-A		TLG		3.69	410		13.63	47	0	0.60		nd	1.03			121		<2	nd	nd	nd	nd		
3/28/94	61-A		TLG		3.85	396		9.56	52	0	0.37		nd	0.85			128		4.0	nd	nd	nd	nd		
5/1/96	61-A		TLG		4.90	212		8.76	6	8	0.10		1.28	0.41			63		3.3	nd	nd	nd	nd		
4/2/97	61-A	4328-220			4.70			nd	22	8	<.3		2.65	0.57			118		8.0	0.00	nd	0.00	0.00		
6/27/97	61-A		120.0		3.80	446		10.45	52	0	0.20		nd	1.12			183		0.3	75.00	0.29	1.62	nd		

WATER QUALITY DATA SUMMARY																								
Laurel Land Development			SMP 11960108																					
Blacklick Township			Cambria County																					
Description-SBBC downstream			Latitude		40-29-48		Longitude		78-52-06												Fig.4 MP#		23	
Sample	Monitoring	Sample	Flow	pH	pH	Specific	Temp.	Total Acidity	Net Acidity	Total	Total	Ferrous	Total	Total	Total	Total	Total	Susp.	Acid	Fe	Mn	Al		
Date	Point	Number	(gpm)	(field)	(lab)	Conduct.	(deg. C)	(mg/l)	(mg/l)	Alkalinity	Fe	Fe	Al	Mn	Mg	Ca	Sulfates	Hardness	Solids	Loading	Loading	Loading	Loading	
						(umhos/cm)				(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)
3/22/93	62		TLG		4.78	440	nd	7.24	20	2	2.04		nd	0.51			135		12.0	nd	nd	nd	nd	
4/15/93	62		TLG		4.83	612		11.78	17	2	3.77		nd	0.50			255		20.0	nd	nd	nd	nd	
5/17/93	62		TLG		7.74	913		13.13	1	44	4.55		nd	0.49			388		58.0	nd	nd	nd	nd	
6/1/93	62		TLG		5.47	541		9.95	3	3	3.30		nd	0.50			199		52.0	nd	nd	nd	nd	
7/23/93	62		TLG		4.45	685		7.91	37	0	1.76		nd	0.78			296		8.0	nd	nd	nd	nd	
8/24/93	62		TLG		4.54	357		3.84	25	<1	0.30		nd	0.88			128		2.0	nd	nd	nd	nd	
6/10/96	62		TLG		4.30	879		40.83	36	4	0.75		6.29	0.73			371		9.7	nd	nd	nd	nd	
4/2/97	62	4328-211			4.60			24.69	14	6	2.29		2.99	0.36			205		12.0	nd	nd	nd	nd	
7/16/97	62		TLG		5.30	1460		32.39	6	14	2.46		4.42	0.51			677		16.0	nd	nd	nd	nd	

WATER QUALITY DATA SUMMARY																							
Laurel Land Development			SMP 11960108																				
Blacklick Township			Cambria County																				
Description-SBBC Upstream			Latitude		40-29-42		Longitude		78-52-02												Fig.4 MP#	24	
Sample	Monitoring	Sample	Flow	pH	pH	Specific	Temp.	Total Acidity	Net Acidity	Total	Total	Ferrous	Total	Total	Total	Total	Total	Susp.	Acid	Fe	Mn	Al	
Date	Point	Number	(gpm)	(field)	(lab)	Conduct.	(field)	(calculated)	(lab)	Alkalinity	Fe	Fe	Al	Mn	Mg	Ca	Sulfates	Hardness	Solids	Loading	Loading	Loading	Loading
						(umhos/cm)	(deg. C)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)
3/22/93	63		TLG		4.85	440	nd	6.95	198	2	1.98		nd	0.51			134		10.0	nd	nd	nd	nd
4/15/93	63		TLG		4.85	615		11.49	15	2	3.68		nd	0.49			246		40.0	nd	nd	nd	nd
5/17/93	63		TLG		7.54	913		13.21	<1	42	4.58		nd	0.49			348		56.0	nd	nd	nd	nd
6/1/93	63		TLG		5.53	542		11.08	3	3	3.72		nd	0.51			199		42.0	nd	nd	nd	nd
7/23/93	63		TLG		4.66	1058		13.47	47	<1	4.10		nd	0.75			461		12.0	nd	nd	nd	nd
8/24/93	63		TLG		3.77	928		14.00	92	0	1.25		nd	1.21			388		2.0	nd	nd	nd	nd
6/10/96	63		TLG		4.20	877		40.18	38	4	0.42		6.22	0.72			378		10.0	nd	nd	nd	nd
4/2/97	63	4328-212			4.70			25.40	15	6	2.43		3.09	0.38			222		<3	nd	nd	nd	nd
7/16/97	63		TLG		6.00	1530		26.57	0	14	2.22		3.54	0.47			717		7.7	nd	nd	nd	nd

WATER QUALITY DATA SUMMARY																							
Laurel Land Development																		SMP 11920110					
Blacklick Township																		Cambria County					
Description-L.K. mine discharge																		Fig 4 MP# 25					
Sample Date	Monitoring Point	Sample Number	Flow (gpm)	pH (field)	pH (lab)	Specific Conduct. (umhos/cm)	Temp. (deg. C)	Total Acidity (calculated) (mg/l)	Net Acidity (lab) (mg/l)	Total Alkalinity (mg/l)	Total Fe (mg/l)	Ferrous Fe (mg/l)	Total Al (mg/l)	Total Mn (mg/l)	Total Mg (mg/l)	Total Ca (mg/l)	Total Sulfates (mg/l)	Total Hardness (mg/l)	Susp. Solids (mg/l)	Acid Loading (lbs/day)	Fe Loading (lbs/day)	Mn Loading (lbs/day)	Al Loading (lbs/day)
9/30/88	1		3.0		2.59	1020	nd	163.48	226	0	10.52			4.16			441		16.6	8.15	0.38	0.15	0.00
10/25/88	1		3.5		3.23	565		59.55	107	0	9.16			3.12			280		3.2	4.50	0.39	0.13	0.00
5/28/92	1		3.6		3.50	1025		38.68	14	0	6.65			2.80			438		0.7	0.61	0.29	0.12	0.00
6/23/92	1		4.0		2.90	1050		94.08	196	0	9.13			3.86			629		1.3	9.42	0.44	0.19	0.00
7/29/92	1		3.9		2.90	1050		104.68	210	0	12.70			4.41			582		5.0	9.84	0.60	0.21	0.00
8/19/92	1		4.3		2.80	1150		107.30	226	0	8.61			3.00			500		1.7	11.68	0.45	0.16	0.00
9/16/92	1		3.6		2.90	1200		98.36	212	0	10.70			3.89			582		0.7	9.17	0.46	0.17	0.00
10/23/92	1		4.4		3.01	1220		102.53	218	0	16.90			4.71			539		2.0	11.53	0.89	0.25	0.00
12/8/92	1		3.5		2.71	1020		130.36	260	0	10.65			2.70			429		2.7	10.94	0.45	0.11	0.00
3/19/93	1		165.0		2.90	929		161.01	183	0	8.99		12.82	1.65			290		<2	362.94	17.83	3.27	25.43
3/29/93	1		4.2		3.10	668		52.26	102	0	3.90			1.28			281		0.3	5.15	0.20	0.06	0.00
3/29/93	1		220.5		3.08	651		86.53	102	0	4.20		5.68	1.28			173		<2	270.34	11.13	3.39	15.05
4/15/93	1		0.1		3.03	788		113.95	138	0	5.05		9.21	1.53			232		<2	0.17	0.01	0.00	0.01
4/26/93	1		8.2		3.04	686		95.70	111	0	3.77		6.82	1.28			205		<2	10.91	0.37	0.13	0.67
5/5/93	1		5.1		3.01	680		100.67	111	0	3.41		7.29	1.33			204		<2	6.80	0.21	0.08	0.45
5/17/93	1		7.1		2.96	805		123.89	137	0	5.30		9.39	1.62			221		<2	11.73	0.45	0.14	0.80
6/1/93	1		1.2		3.04	837		128.76	160	0	5.54		11.74	1.79			246		2.0	2.31	0.08	0.03	0.17
6/17/93	1	4344510	0.0		3.30			86.00	148	0	3.89		8.57	1.63			158		6.0	0.00	0.00	0.00	0.00
6/17/93	1		1.2		3.10	771		106.58	138	0	4.82		9.24	1.52			240		<2	1.98	0.07	0.02	0.13
6/25/93	1		3.5		3.10	902		53.82	162	0	3.98			2.02			367		0.3	6.82	0.17	0.08	0.00
7/23/93	1		1.0		2.96	901		159.20	190	0	6.30		15.08	2.15			324		<2	2.28	0.08	0.03	0.18
8/6/93	1		0.2		2.97	937		169.28	202	0	8.77		15.90	2.21			316		<2	0.36	0.02	0.00	0.03
8/24/93	1		7.0		2.92	941		164.62	185	0	6.77		14.63	2.92			318		2.0	15.53	0.57	0.25	1.23
9/24/93	1		3.0		2.99	870		155.84	162	0	8.43		13.72	3.31			309		<2	5.85	0.30	0.12	0.49
9/30/93	1		3.0		2.85	940		96.06	204	0	8.14			2.22			380		1.2	7.36	0.29	0.08	0.00
10/13/93	1		0.1		3.09	946		151.16	196	0	8.59		15.04	2.21			331		<2	0.14	0.01	0.00	0.01
10/25/93	1	4344646	0.0		3.00			175.86	208	0	10.00		16.80	3.21			189		10.0	0.00	0.00	0.00	0.00
10/25/93	1		0.2		2.91	1001		184.31	219	0	11.20		15.92	2.49			386		<2	0.39	0.02	0.00	0.03
11/10/93	1		0.1		2.96	991		180.01	209	0	10.72		16.66	2.22			363		4.0	0.15	0.01	0.00	0.01
11/23/93	1		1.7		2.94	875		139.05	164	0	7.54		10.50	1.84			329		<2	3.35	0.15	0.04	0.21
12/7/93	1		3.1		2.99	700		62.12	132	0	3.26			1.40			213		0.8	4.92	0.12	0.05	0.00
12/13/93	1		6.9		3.00	703		106.22	325	0	4.69		7.40	1.53			246		2.0	26.91	0.39	0.13	0.61
12/28/93	1		0.8		3.04	819		133.57	147	0	5.64		12.56	1.78			307		<2	1.41	0.05	0.02	0.12
1/5/94	1		0.1		2.87	989		170.48	198	0	8.30		13.94	1.99			344		<2	0.24	0.01	0.00	0.02
1/20/94	1		0.2		2.93	989		161.12	198	0	8.48		13.72	2.00			301		<2	0.48	0.02	0.00	0.03
3/18/94	1	4305100	0.0		4.20			21.17	30	4	1.71		2.29	0.38			116		<3	0.00	0.00	0.00	0.00
3/28/94	1		3.5		3.20	744		46.92	126	0	4.48			1.95			300		40.3	5.30	0.19	0.08	0.00
6/30/94	1		4.3		3.00	965		66.71	170	0	4.47			2.77			438		0.3	8.79	0.23	0.14	0.00
7/21/94	1	4346271	0.0		3.10			140.05	174	0	6.75		13.60	3.73			143		8.0	0.00	0.00	0.00	0.00
9/29/94	1		3.0		3.00	1090		71.92	184	0	5.94			3.46			374		1.0	6.64	0.21	0.12	0.00
12/13/94	1		3.0		3.02	660		63.45	138	0	4.50			2.16			256		0.8	4.98	0.16	0.08	0.00
3/6/95	1	4346078	0.0		3.10			103.20	110	0	3.16		9.27	2.02			230		14.0	0.00	0.00	0.00	0.00
3/31/95	1		12.8		2.91	770		77.78	168	0	4.38			2.70			380		0.8	25.85	0.67	0.42	0.00
6/30/95	1		4.8		2.72	900		114.47	192	0	5.05			3.45			274		0.4	11.03	0.29	0.20	0.00
9/6/95	1	4346332	0.0		3.00			165.85	200	0	8.69		15.30	4.23			333		10.0	0.00	0.00	0.00	0.00
12/1/95	1	4346454	0.0		3.10			119.04	130	0	3.70		11.70	2.50			304		<3	0.00	0.00	0.00	0.00
3/12/96	1	4328074	0.0		3.10			94.56	96	0	2.02		8.36	1.74			209		<3	0.00	0.00	0.00	0.00
7/24/96	1	4328308	0.0		3.10			108.01	122	0	2.98		10.20	2.09			234		<3	0.00	0.00	0.00	0.00
9/23/96	1		50.3		3.20	1010		103.68	140	0	3.83		10.02	3.46			372		1.3	84.64	2.32	2.09	6.06
6/27/97	1		12.4		3.00	907		64.39	162	0	3.60			2.78			345		0.3	24.15	0.54	0.41	0.00
6/27/97	1	4340-846			3.10	910		123.21	152	0	4.63		11.80	3.11			265		<2	0.00	0.00	0.00	0.00
7/9/97	1	4328426	0.0		2.90			85.79	152	0	3.74		<.5	6.50			318		<3	0.00	0.00	0.00	#VALUE!

WATER QUALITY DATA SUMMARY																							
Laurel Land Development			SMP 11920110																				
Blacklick Township			Cambria County																			Fig 4 MP#	25
Description-L.K. mine discharge			Latitude		40-29-57		Longitude		78-51-36														
Sample	Monitoring	Sample	Flow	pH	pH	Specific	Temp.	Total Acidity	Net Acidity	Total	Total	Ferrous	Total	Total	Total	Total	Total	Susp.	Acid	Fe	Mn	Al	
Date	Point	Number	(gpm)	(field)	(lab)	Conduct.	(deg. C)	(calculated)	(lab)	Alkalinity	Fe	Fe	Al	Mn	Mg	Ca	Sulfates	Hardness	Solids	Loading	Loading	Loading	Loading
						(umhos/cm)		(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)
9/24/97	1	4340-876	5.3		3.10	990		153.06	160	0	7.62		15.20	4.70			301		12.0	10.19	0.49	0.30	0.97
12/17/97	1	4340-902			3.10	926		121.95	148	0	5.29		11.30	2.97			247		<2	0.00	0.00	0.00	0.00
3/16/98	1	4340-912	90.3		3.20	800		87.88	112	0	2.86		7.97	2.48			116		<2	121.57	3.10	2.69	8.65

WATER QUALITY DATA SUMMARY																										
Laurel Land Development			SMP 11920110																							
Blacklick Township			Cambria County																	Fig 4 MP#		26				
Description-Coalpit Run downstream			Latitude				40-30-04				Longitude				78-51-33											
Sample	Monitoring	Sample			Specific	Temp.	Total Acidity	Net Acidity	Total	Total	Ferrous	Total	Total	Total	Total	Total	Total	Susp.	Acid	Fe	Mn	Al				
Date	Point	Number	Flow	pH	pH	Conduct.	(field)	(calculated)	(lab)	Alkalinity	Fe	Fe	Al	Mn	Mg	Ca	Sulfates	Hardness	Solids	Loading	Loading	Loading	Loading			
			(gpm)	(field)	(lab)	(umhos/cm)	(deg. C)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)		
5/28/92	4		850.0		3.20	610	nd	37.41	140	0	1.26			1.48			329		2.7	1430.38	12.87	15.12	0.00			
6/23/92	4		300.0		4.30	390		4.70	38	2	0.18			0.95			321		2.3	137.03	0.65	3.43	0.00			
7/29/92	4		660.0		3.40	550		25.36	80	0	0.93			1.70			344		2.7	634.66	7.38	13.49	0.00			
8/19/92	4		340.0		3.30	640		30.66	102	0	1.07			1.59			344		2.3	416.85	4.37	6.50	0.00			
9/16/92	4		187.0		3.40	660		26.15	92	0	1.17			1.78			352		1.7	206.79	2.63	4.00	0.00			
10/23/92	4		250.0		3.60	670		19.27	92	0	1.10			2.11			393		2.7	276.46	3.31	6.34	0.00			
12/8/92	4		650.0		3.79	350		10.59	44	0	0.30			0.95			132		0.4	343.77	2.34	7.42	0.00			
3/29/93	4				4.30	169		3.92	14	4	0.28			0.37			50		8.0	0.00	0.00	0.00	0.00			
6/17/93	4	4344509			3.70			43.83	78	0	0.76		5.41	0.98			133		6.0	0.00	0.00	0.00	0.00			
6/25/93	4				4.60	383		4.01	34	10	0.46			0.84			247		0.7	0.00	0.00	0.00	0.00			
9/30/93	4				3.71	302		14.14	40	0	1.15			0.75			302		25.2	0.00	0.00	0.00	0.00			
10/25/93	4	4344647			3.60			54.36	64	0	1.03		6.51	1.59			122		10.0	0.00	0.00	0.00	0.00			
12/7/93	4		400.0		4.13	230		5.88	24	0	0.56			0.38			69		1.2	115.39	2.69	1.83	0.00			
3/28/94	4				4.50	197		3.40	12	8	0.35			0.49			51		10.7	0.00	0.00	0.00	0.00			
6/30/94	4				4.40	350		4.61	4	4	0.31			0.99			236		0.7	0.00	0.00	0.00	0.00			
7/21/94	4	4346270			3.50			65.07	90	0	0.75		7.99	1.59			104		<3	0.00	0.00	0.00	0.00			
9/29/94	4				4.30	253		6.04	34	4	0.59			1.08			134		0.3	0.00	0.00	0.00	0.00			
12/13/94	4				4.13	213		7.06	22	0	0.92			0.50			80		0.5	0.00	0.00	0.00	0.00			
3/6/95	4	4346077			4.10			20.99	26	4	0.34		2.70	0.61			87		18.0	0.00	0.00	0.00	0.00			
3/31/95	4				4.08	310		6.34	34	0	0.32			0.74			129		10.4	0.00	0.00	0.00	0.00			
6/30/95	4				3.69	375		13.88	40	0	0.70			1.02			111		1.6	0.00	0.00	0.00	0.00			
9/6/95	4	4346334			3.50			68.99	90	0	0.86		8.65	1.57			210		<3	0.00	0.00	0.00	0.00			
12/1/95	4	4346452			3.80			34.95	44	0	0.69		4.18	1.08			128		<3	0.00	0.00	0.00	0.00			
3/12/96	4	4328075			3.60			44.51	48	0	0.80		5.04	1.01			135		<3	0.00	0.00	0.00	0.00			
7/24/96	4	4328307			4.20			30.15	34	5	0.65		4.23	0.96			117		<3	0.00	0.00	0.00	0.00			
7/9/97	4	4328428			4.50			66.53	32	6	12.60		<.5	16.30			132		<3	0.00	0.00	0.00	#VALUE!			

WATER QUALITY DATA SUMMARY																									
Laurel Land Development										SMP 11920110										Fig 4 MP#		27			
Blacklick Township										Cambria County															
Description-Unnamed trib to SBBC										Latitude		40-29-39		Longitude		78-51-33									
Sample	Monitoring	Sample	Flow	pH	pH	Specific	Temp.	Total Acidity	Net Acidity	Total	Total	Ferrous	Total	Total	Total	Total	Total	Susp.	Acid	Fe	Mn	Al			
Date	Point	Number	(gpm)	(field)	(lab)	Conduct.	(deg. C)	(calculated)	(lab)	Alkalinity	Fe	Fe	Al	Mn	Mg	Ca	Sulfates	Hardness	Solids	Loading	Loading	Loading	Loading		
						(umhos/cm)		(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)	
9/30/88	92-12		0.0				nd			0										0.00	0.00	0.00	0.00		
10/25/88	92-12		22.0	4.43	82			3.30	16	0	0.15			0.58			30		3.2	4.23	0.04	0.15	0.00		
11/16/88	92-12		10.0	3.70	72			11.66	18	0	0.38			0.40			27		6.0	2.16	0.05	0.05	0.00		
5/28/92	92-12		3.5	5.30	75			0.57	10	7	0.01			0.16			21		0.7	0.42	0.00	0.01	0.00		
6/23/92	92-12		1.0	4.60	75			1.73	6	4	0.01			0.25			27		1.3	0.07	0.00	0.00	0.00		
7/29/92	92-12		3.5	4.60	66			2.12	2	0	0.04			0.42			25		2.3	0.08	0.00	0.02	0.00		
8/19/92	92-12		2.0	4.40	80			2.62	8	4	0.01			0.34			26		9.7	0.19	0.00	0.01	0.00		
9/16/92	92-12		1.4	4.70	69			1.49	0	6	0.01			0.26			21		2.7	0.00	0.00	0.00	0.00		
10/23/92	92-12		2.2	7.40	112			0.56	0	32	0.03			0.26			30		3.0	0.00	0.00	0.01	0.00		
12/8/92	92-12		6.2	4.66	89			1.78	8	2	0.04			0.32			23		0.4	0.60	0.00	0.02	0.00		
3/29/93	92-12		330.0	4.52	74			2.67	10	2	0.22			0.32			14		5.6	39.67	0.87	1.27	0.00		
6/25/93	92-12		3.5	5.00	69			1.22	0	8	0.04			0.34			21		0.3	0.00	0.00	0.01	0.00		
9/30/93	92-12		6.2	4.58	74			2.01	6	2	0.05			0.31			19		1.2	0.45	0.00	0.02	0.00		
12/7/93	92-12		23.0	4.55	80			11.45	14	2	3.48			0.38			17		91.2	3.87	0.96	0.11	0.00		
3/18/94	92-12	4305097	0.0	4.70				4.96	14	7	<.3		0.55	0.28			<20		<.3	0.00	0.00	0.00	0.00		
3/28/94	92-12		330.0	4.70	68			1.87	24	6	0.01			0.47			31		2.3	95.20	0.04	1.86	0.00		
5/6/94	92-12	4346182	0.0	4.60				5.90	16	6	<.3		0.66	0.33			26		0.00	0.00	0.00	0.02	0.00		
6/30/94	92-12		2.2	4.70	63			2.28	0	6	0.08			0.59			24		1.7	0.00	0.00	0.00	0.00		
8/10/94	92-12	4346293	0.0	5.20				2.72	20	8	<.3		<.5	0.34			<20		4.0	0.00	0.00	0.00	0.00		
9/29/94	92-12		0.0	4.70	44			1.82	2	6	0.03			0.41			18		0.3	0.00	0.00	0.00	0.00		
12/13/94	92-12		6.2	4.59	67			2.20	8	0	0.14			0.30			19		0.4	0.60	0.01	0.02	0.00		
3/31/95	92-12		2.2	4.63	75			2.35	8	2	0.28			0.24			21		2.8	0.21	0.01	0.01	0.00		
4/4/95	92-12	4346136	0.0	4.70				5.83	20	8	<.3		0.70	0.31			25		<.3	0.00	0.00	0.00	0.00		
6/30/95	92-12		1.1	4.60	72			2.78	10	2	0.30			0.40			16		2.4	0.13	0.00	0.01	0.00		
3/12/96	92-12	4328076	0.0	4.60				5.09	8	6	<.3		0.53	0.27			34		<.3	0.00	0.00	0.00	0.00		
7/24/96	92-12	4328311	0.0	4.80				3.09	5	7	<.3		<.5	0.28			<20		<.3	0.00	0.00	0.00	0.00		
7/9/97	92-12	4328429	0.0	4.90				92.93	11	6	9.28		0.71	34.80			<20		<.3	0.00	0.00	0.00	0.00		

WATER QUALITY DATA SUMMARY																							
Laurel Land Development										SMP 11860101													
Blacklick Township										Cambria County													
Description- Coalpit Run - Downstream										Latitude 40-29-59 Longitude 78-50-30													
Sample Date	Monitoring Point	Sample Number	Flow (gpm)	pH (field)	pH (lab)	Specific Conduct. (umhos/cm)	Temp. (deg. C)	Total Acidity (calculated) (mg/l)	Net Acidity (lab) (mg/l)	Total Alkalinity (mg/l)	Total Fe (mg/l)	Ferrous Fe (mg/l)	Total Al (mg/l)	Total Mn (mg/l)	Total Mg (mg/l)	Total Ca (mg/l)	Total Sulfates (mg/l)	Total Hardness (mg/l)	Susp. Solids (mg/l)	Acid Loading (lbs/day)	Fe Loading (lbs/day)	Mn Loading (lbs/day)	Al Loading (lbs/day)
8/28/84	1		80.0	3.70	479	nd	16.16	57	-18	0.97				2.00			229		2.8	54.81	0.93	160.01	1.92
1/8/85	1		30.0	5.60	154		5.04	8	2	1.40				0.63			104		7.2	2.88	0.50	18.91	0.23
10/29/85	1		20.0	3.10	725		45.33	67	0	0.16				3.00			238		8.2	16.11	0.04	60.01	0.72
11/17/85	1		50.0		550		nd													0.00	0.00	0.01	0.00
12/27/85	1		50.0	3.30	565		31.73	68	0	0.92				2.40			205		0.8	40.87	0.55	120.01	1.44
1/14/86	1		60.0		450		nd													0.00	0.00	0.01	0.00
2/13/86	1		50.0	3.00	430		53.94	80	0	0.54				1.56			157		0.2	48.08	0.32	78.01	0.94
3/26/86	1		40.0		500		nd													0.00	0.00	0.01	0.00
5/12/87	1		60.0	3.50	366		19.04	42	0	0.36				1.30			144		2.2	30.29	0.26	78.01	0.94
3/30/88	1		60.0	3.70	425		13.29	39	0	0.65				0.90			202		3.4	28.13	0.47	54.01	0.65
6/20/88	1		60.0	3.40	450		25.18	56	0	1.20				1.20			245		6.4	40.39	0.87	72.01	0.87
9/26/88	1		30.0	3.80	440		11.49	43	0	0.60				1.10			152		8.3	15.51	0.22	33.01	0.40
12/16/88	1		20.0	3.80	392		12.33	62	0	0.71				1.40			223		9.6	14.90	0.17	28.01	0.34
3/16/89	1		50.0	2.90	500		67.15	72	0	0.90				1.22			204		1.2	43.27	0.54	61.01	0.73
6/22/89	1		300.0	3.20	425		35.26	68	0	0.82				0.95			202		4.5	245.21	2.96	285.01	3.43
9/27/89	1		300.0	3.11	460		43.67	52	0	0.66				1.84			207		4.4	187.51	2.38	552.01	6.64
12/27/89	1		300.0	3.23	360		32.05	38	0	0.35				1.03			131		14.0	137.03	1.26	309.01	3.71
3/31/90	1		425.0	3.69	65		12.70	32	0	0.86				0.14			17		12.4	163.47	4.39	59.51	0.00
6/27/90	1			4.34	528		9.75	36	0	0.90				2.78			207		3.0	0.00	0.00	0.01	0.00
9/27/90	1			4.99	340		6.01	14	2	1.18				1.28			139		5.0	0.00	0.00	0.01	0.00
12/12/90	1		250.0	4.70	350		4.17	78	6	0.49				1.02			135			234.39	1.47	255.01	0.00
12/12/90	1	4301604		4.70			18.28	20	7	0.62			2.41	1.22			98		<2	0.00	0.00	0.01	0.00
2/27/91	1		250.0	5.30	308		3.05	50	14	0.39				0.96			180			150.25	1.17	240.01	0.00
4/18/91	1		300.0	5.00	312		3.58	50	12	0.53				0.91			64			180.30	1.91	273.01	0.00
6/12/91	1	4305885		4.60			nd	19	7	<.3			2.37	1.62			125		<10	0.00	nd	0.01	0.00
7/29/91	1	4305980		3.40			61.61	70	0	1.08			6.55	1.37			229		2.0	0.00	0.00	0.01	0.00
8/8/91	1		5.0	3.40	727		30.00	82	0	1.82				2.93			315			4.93	0.11	14.66	0.00
12/31/91	1		250.0	5.80	502		3.13	34	6	0.56				0.85			180			102.17	1.68	212.51	0.00
2/6/92	1	4344009		3.80			55.35	58	0	1.16			7.23	2.27			193		6.0	0.00	0.00	0.01	0.00
2/24/92	1			5.30	291		1.52	32	4	0.18				0.43			94			0.00	0.00	0.01	0.00
6/12/92	1		80.0	3.70	607		15.77	72	0	0.73				2.14			305			69.24	0.70	171.21	0.00
8/19/92	1	4344264		3.70			63.62	64	0	0.62			8.32	3.16			218		<2	0.00	0.00	0.01	0.00
9/29/92	1		70.0	3.80	640		#VALUE!	68	0	1.50				3.50			309			57.22	1.26	245.01	#VALUE!
10/22/92	1	4344317		3.90			52.55	56	0	0.70			6.97	3.09			203		<2	0.00	0.00	0.01	0.00
2/4/93	1	4344415		3.90			43.58	54	0	1.06			5.66	1.64			125		<2	0.00	0.00	0.01	0.00
7/22/93	1			3.30	340		#VALUE!	48	0	0.35				2.00			234			0.00	0.00	0.01	nd
10/25/93	1	4344644		4.10			30.65	40	6	0.50			3.96	1.83			115		8.0	0.00	0.00	0.01	0.00
10/29/93	1		80.0	3.60	440		#VALUE!	34	0	0.57				1.85			170			32.69	0.55	148.01	nd
2/20/94	1		70.0	4.10	340		#VALUE!		0	0.08				1.02			152			0.00	0.07	71.41	nd
3/15/94	1	4305096		6.00			16.94	4	16	1.64			2.12	0.38			48		14.0	0.00	0.00	0.01	0.00
6/2/94	1		80.0	3.69	540		#VALUE!	40	0	0.46				2.42			256			38.46	0.44	193.61	nd
9/30/94	1		80.0	5.88	180		#VALUE!	2	4	0.38				0.46			63			1.92	0.37	36.81	nd
10/1/94	1		80.0	5.98	170		#VALUE!	2	4	0.34				0.40			65			1.92	0.33	32.01	nd
5/11/95	1		280.0	5.20	270		1.40	0	8	0.01				0.58			72		4.3	0.00	0.03	162.41	0.00
8/7/95	1	4346298		4.00			40.66	48	2	1.19			5.14	2.14			183		<3	0.00	0.00	0.01	0.00
9/27/95	1		120.0	4.60	210		2.24	0	5	0.01				0.53			68		4.7	0.00	0.01	63.61	0.00
11/13/95	1	4346444		4.70			16.80	20	8	0.50			2.17	1.31			105		14.0	0.00	0.00	0.01	0.00
12/5/95	1		4.0	4.70	262		3.61	16	8	0.39				0.86			104		1.3	0.77	0.02	3.45	0.00
3/29/96	1			6.40	166		1.26	0	12	0.28				0.27			31		10.3	0.00	0.00	0.01	0.00
6/6/96	1	4328253		3.80			41.93	0	0.35				5.57	1.16			164		<3	0.00	0.00	0.01	0.00
6/25/96	1		180.0	4.60	359		4.75	22	8	0.53				1.14			140		3.3	47.60	1.15	205.21	0.00
8/7/96	1	4328320		3.70			58.66	72	0	1.45			7.00	3.24			260		<3	0.00	0.00	0.01	0.00

WATER QUALITY DATA SUMMARY																									
Laurel Land Development			SMP 11860101																						
Blacklick Township			Cambria County																						
Description- Coalpit Run - Downstream			Latitude		40-29-59		Longitude		78-50-30													Fig 4 MP#		58	
Sample Date	Monitoring Point	Sample Number	Flow (gpm)	pH (field)	pH (lab)	Specific Conduct. (umhos/cm)	Temp. (deg. C)	Total Acidity (calculated) (mg/l)	Net Acidity (lab) (mg/l)	Total Alkalinity (mg/l)	Total Fe (mg/l)	Ferrous Fe (mg/l)	Total Al (mg/l)	Total Mn (mg/l)	Total Mg (mg/l)	Total Ca (mg/l)	Total Sulfates (mg/l)	Total Hardness (mg/l)	Susp. Solids (mg/l)	Acid Loading (lbs/day)	Fe Loading (lbs/day)	Mn Loading (lbs/day)	Al Loading (lbs/day)		
9/6/96	1		20.0	3.80	727		19.50	72	0	1.77			3.77				312		0.3	17.31	0.43	75.41	0.00		
12/13/96	1			6.00	180		1.04	0	12	0.13			0.35				51		7.3	0.00	0.00	0.01	0.00		
3/25/97	1	4328173		4.20			34.17	44	5	0.60			4.95	1.03			154		<3	0.00	0.00	0.01	0.00		
3/31/97	1		150.0	4.60	334		3.58	24	8	0.36			0.75				231		2.3	43.27	0.65	112.51	0.00		
6/24/97	1		52.0	4.00	446		7.54	36	0	0.20			1.12				183		0.7	22.50	0.13	58.25	0.00		
9/25/97	1	4305594		3.80			71.73	74	0	2.73			8.79	4.18			320		4.0	0.00	0.00	0.01	0.00		
9/29/97	1		40.0	3.90	592		15.38	96	0	1.64			2.59				237		1.3	46.16	0.79	103.61	0.00		
12/29/97	1	4305730		4.40			26.90	34	10	0.50			3.92	0.97			112		<3	0.00	0.00	0.01	0.00		

MP4

WATER QUALITY DATA SUMMARY																												
Laurel Land Development			SMP 11860101																									
Blacklick Township			Cambria County																									
Description- Seep from spoil																												
			Latitude		40-29-54		Longitude		78-50-14																			
Sample	Monitoring	Sample			Specific	Temp.	Total Acidity	Net Acidity	Total	Total	Ferrous	Total	Total	Total	Total	Total	Total	Susp.	Acid	Fe	Mn	Al						
Date	Point	Number	Flow	pH	pH	Conduct.	(field)	(calculated)	(lab)	Alkalinity	Fe	Fe	Al	Mn	Mg	Ca	Sulfates	Hardness	Solids	Loading	Loading	Loading						
			(gpm)	(field)	(lab)	(umhos/cm)	(deg. C)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(lbs/day)	(lbs/day)	(lbs/day)					
7/29/91	4			4	295	nd	283.54	376	0	22.80		37.90	3.51			492		3.0	0.00	0.00	0.01	0.00						
12/12/97	4			4	435		50.54	80	0	1.49		7.30	0.52			82		<3	0.00	0.00	0.01	0.00						

WATER QUALITY DATA SUMMARY																							
Laurel Land Development			SMP 11860101																				
Blacklick Township			Cambria County																				
Description- Coalpit Run - Upstream			Latitude			40-29-56			Longitude			78-49-11						Fig 4 MP#			61		
Sample Date	Monitoring Point	Sample Number	Flow (gpm)	pH (field)	pH (lab)	Specific Conduct. (umhos/cm)	Temp. (field) (deg. C)	Total Acidity (calculated) (mg/l)	Net Acidity (lab) (mg/l)	Total Alkalinity (mg/l)	Total Fe (mg/l)	Ferrous Fe (mg/l)	Total Al (mg/l)	Total Mn (mg/l)	Total Mg (mg/l)	Total Ca (mg/l)	Total Sulfates (mg/l)	Total Hardness (mg/l)	Susp. Solids (mg/l)	Acid Loading (lbs/day)	Fe Loading (lbs/day)	Mn Loading (lbs/day)	Al Loading (lbs/day)
8/28/84	7		20.0		6.60	79	nd	8.96	-4	8	3.20						15		39.0	-1.03	0.77	3.81	0.00
1/8/85	7				6.40	83		1.39	4	4	0.45						17		41.0	nd	nd	nd	nd
10/29/85	7		0.0					nd												0.00	0.00	0.01	0.00
11/17/85	7		15.0			85		nd												0.00	0.00	0.01	0.00
12/27/85	7		10.0		5.50	95		0.32	17	7	0.04						15		1.2	2.04	0.00	0.31	0.00
1/14/86	7		15.0			75		nd												0.00	0.00	0.01	0.00
2/13/86	7		15.0		5.90	84		0.89	17	5	0.28						10		2.6	3.07	0.05	0.61	0.00
3/26/86	7		5.0			100		nd												0.00	0.00	0.01	0.00
4/18/86	7		10.0		6.20	91		1.48	5	5	0.50						13		42.0	0.60	0.06	0.61	0.00
5/12/87	7		15.0		6.30	93		0.32	4	4	0.09						10		5.2	0.72	0.02	0.46	0.00
3/30/88	7		15.0		6.10	89		0.14	14	6	0.03						14		6.5	2.52	0.01	0.16	0.00
6/20/88	7		5.0		6.40	67		0.86	18	5	0.30						15		4.7	1.08	0.02	0.11	0.00
9/26/88	7		5.0		6.20	58		0.59	10	8	0.20						12		6.4	0.60	0.01	0.06	0.00
12/16/88	7		10.0		6.10	88		0.34	12	5	0.10						12		4.3	1.44	0.01	0.21	0.00
3/16/89	7		30.0		5.90	98		0.30	11	2	0.08						15		6.5	3.97	0.03	0.31	0.00
6/22/89	7		20.0		6.20	88		0.21	10	3	0.06						12		5.3	2.40	0.01	0.21	0.00
9/27/89	7		5.0		6.32	172		5.03	0	22	1.78						25		127.0	0.00	0.11	0.61	0.00
12/27/89	7		20.0		5.50	139		0.45	40	1	0.09						24		10.0	9.62	0.02	0.61	0.00
3/31/90	7		20.0		6.09	220		3.70	3	4	1.32						21		21.6	0.72	0.32	1.21	0.00
6/27/90	7				7.18	83		0.70	4	16	0.22						8		2.0	0.00	0.00	0.01	0.00
9/27/90	7				6.66	120		1.04	6	10	0.37						21		4.0	0.00	0.00	0.01	0.00
12/12/90	7		60.0			91		nd	20	36	0.13						1		1.0	14.42	0.09	1.81	#VALUE!
12/12/90	7	4301605			6.40			nd	0	11	<.3						48		<2	0.00	nd	nd	nd
2/27/91	7		125.0		6.20	91		#VALUE!	18	6	0.14						6		2.0	27.05	0.21	3.76	#VALUE!
4/18/91	7		100.0		5.50	129		#VALUE!	-2	8	0.06						2		1.0	-2.40	0.07	6.01	#VALUE!
8/8/91	7							nd												#VALUE!	#VALUE!	#VALUE!	#VALUE!
12/31/91	7		50.0		6.50	190		#VALUE!	-8	10	0.15						25		2.0	-4.81	0.09	0.51	#VALUE!
2/6/92	7	4344008			6.20			nd	6	12	<.3						<20		<2	#VALUE!	nd	nd	nd
2/24/92	7		250.0		6.30	197		#VALUE!	22	10	0.08						21		3.0	66.11	0.24	10.01	#VALUE!
6/12/92	7		5.0		6.00	126		#VALUE!	22	18	0.11						12		3.0	1.32	0.01	0.26	#VALUE!
8/19/92	7	4344266			6.50			nd	0	22	0.39						36		2.0	#VALUE!	#VALUE!	#VALUE!	nd
9/29/92	7		15.0		6.50	156		#VALUE!	0	20	1.20						18		11.0	0.00	0.22	3.01	#VALUE!
10/22/92	7	4344316			6.60			nd	0	20	<.3						32		20.0	#VALUE!	nd	#VALUE!	nd
2/3/93	7		20.0		3.90	450		#VALUE!	36	0	0.55						146		1.0	8.65	0.13	26.01	#VALUE!
2/4/93	7	4344414			6.30			nd	6	13	<.3						34		3.0	#VALUE!	nd	nd	nd
7/22/93	7				6.70	104		#VALUE!	0	17	0.40						7		4.0	nd	nd	nd	nd
10/23/93	7	4344643			6.10			nd	3	22	<.3						<20		18.0	nd	nd	nd	nd
10/29/93	7				6.80	138		#VALUE!	0	20	0.03						17		1.0	nd	nd	nd	nd
2/20/94	7							nd												nd	nd	nd	nd
3/15/94	7	4305095			6.10			6.46	0	19	0.75						<20		8.0	nd	nd	nd	nd
6/14/94	7	4346240			7.00			nd	0	18	0.57						<20			nd	nd	nd	nd
6/20/94	7		7.0		6.56	98		#VALUE!	0	12	0.56						15		6.4	0.00	0.05	0.43	nd
9/30/94	7		10.0		7.02	134		#VALUE!	0	8	0.32						15		4.8	0.00	0.04	0.61	nd
10/1/94	7		10.0		6.91	127		#VALUE!	0	8	0.30						17		3.0	0.00	0.04	0.31	nd
10/4/94	7	4346383			6.60			nd	0	17	<.3						<20		12.0	nd	nd	nd	nd
1/25/95	7	4346022			6.30			nd	0	13	<.3						<20		<3	nd	nd	nd	nd
5/11/95	7		20.0		6.90	193		0.16	0	18	0.05						14		11.0	0.00	0.01	0.21	0.00
9/27/95	7		5.0		6.00	150		0.26	0	22	0.07						16		12.0	0.00	0.00	0.06	0.00
11/13/95	7	4346443			6.30			nd	2	15	<.3						22		16.0	nd	nd	nd	nd
12/5/95	7		3.0		5.80	104		0.20	0	10	0.01						21		1.3	0.00	0.00	0.16	0.00
3/29/96	7		123.6		6.80	131		1.28	0	24	0.44						15		11.7	0.00	0.65	6.19	0.00
6/6/96	7	4328254			6.10			8.99		15	1.28						38		<3	nd	nd	nd	nd

WATER QUALITY DATA SUMMARY																									
Laurel Land Development			SMP 11860101																						
Blacklick Township			Cambria County																						
Description- Coalpit Run - Upstream			Latitude		40-29-56		Longitude		78-49-11													Fig 4 MP#		61	
Sample	Monitoring	Sample	Flow	pH	pH	Specific	Temp.	Total Acidity	Net Acidity	Total	Total	Ferrous	Total	Total	Total	Total	Total	Susp.	Acid	Fe	Mn	Al			
Date	Point	Number	(gpm)	(field)	(lab)	Conduct.	(deg. C)	(calculated)	(lab)	Alkalinity	Fe	Fe	Al	Mn	Mg	Ca	Sulfates	Hardness	Solids	Loading	Loading	Loading			
						(umhos/cm)		(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(lbs/day)	(lbs/day)	(lbs/day)			
6/25/96	7		20.0	6.70	137			0.66	0	18	0.22		0.03				18		2.7	0.00	0.05	0.61	0.00		
8/7/96	7	4328321		6.30				nd	0	22	0.60		<.5	0.05			<20		14.0	nd	nd	nd	nd		
9/6/96	7		1.0	7.30	124			0.59	0	26	0.17		0.07				8		2.3	0.00	0.00	0.08	0.00		
12/13/96	7		25.0	6.60	125			0.44	0	14	0.11		0.07				26		1.0	0.00	0.03	1.76	0.00		
3/25/97	7	4328172		6.20				15.42	2	13	2.37		1.57	0.16			<20		<3	nd	nd	nd	nd		
3/31/97	7		85.0	6.70	122			0.25	0	14	0.07		0.03				25		1.7	0.00	0.07	2.56	0.00		
6/24/97	7		12.0	6.60	111			0.62	0	18	0.16		0.10				9		12.0	0.00	0.02	1.21	0.00		
9/29/97	7		25.0	7.20	207			0.92	0	32	0.32		0.03				18		0.7	0.00	0.10	0.76	0.00		
12/29/97	7	4305729		6.00				nd	5	15	<.3		<.5	<.05			<20		<3	0.00	nd	nd	nd		

WATER QUALITY DATA SUMMARY																							
Laurel Land Development										SMP 11860101													
Blacklick Township										Cambria County													
Description- Griffittown Reservoir										Latitude		40-30-16		Longitude		78-50-36		Fig 4 MP#		62			
Sample Date	Monitoring Point	Sample Number	Flow (gpm)	pH (field)	pH (lab)	Specific Conduct. (umhos/cm)	Temp. (deg. C)	Total Acidity (calculated) (mg/l)	Net Acidity (lab) (mg/l)	Total Alkalinity (mg/l)	Total Fe (mg/l)	Ferrous Fe (mg/l)	Total Al (mg/l)	Total Mn (mg/l)	Total Mg (mg/l)	Total Ca (mg/l)	Total Sulfates (mg/l)	Total Hardness (mg/l)	Susp. Solids (mg/l)	Acid Loading (lbs/day)	Fe Loading (lbs/day)	Mn Loading (lbs/day)	Al Loading (lbs/day)
8/28/84	8		50.0		6.60	74	nd	2.92	-54	12	1.00						20		2.2	-32.45	0.60	6.01	0.00
1/8/85	8		20.0		4.00	395		19.47	29	-6	3.70						211		7.0	6.97	0.89	50.01	0.00
10/29/85	8		0.0		6.50	340		0.31	0	65	0.04						35		1.6	0.00	0.00	0.01	0.00
11/17/85	8		25.0			250		nd												0.00	0.00	0.01	0.00
12/27/85	8		20.0		6.70	200		0.15	0	40	0.03		0.03				31		1.8	0.00	0.01	0.61	0.00
1/14/86	8		25.0			220		nd												0.00	0.00	0.01	0.00
2/13/86	8		20.0		6.25	125		0.26	0	26	0.06		0.04				17		0.4	0.00	0.01	0.81	0.00
3/26/86	8		20.0			170		nd												0.00	0.00	0.01	0.00
5/12/87	8		30.0		6.40	92		0.16	0	19	0.03		0.03				20		1.2	0.00	0.01	0.91	0.00
3/30/88	8		25.0		6.60	108		0.45	0	33	0.15		0.02				19		2.6	0.00	0.05	0.51	0.00
6/20/88	8		0.0					nd												0.00	0.00	0.01	0.00
9/26/88	8		0.0					nd												0.00	0.00	0.01	0.00
12/16/88	8		20.0		6.30	145		0.12	0	23	0.02		0.02				24		1.3	0.00	0.00	0.41	0.00
3/16/89	8		20.0		6.20	123		0.49	0	20	0.15		0.03				17		3.2	0.00	0.04	0.61	0.00
6/22/89	8		40.0		6.60	108		0.25	0	24	0.08		0.01				13		8.3	0.00	0.04	0.41	0.00
9/27/89	8		35.0		6.28	122		0.66	0	28	0.18		0.08				21		2.4	0.00	0.08	2.81	0.00
12/27/89	8		50.0		6.30	118		0.39	0	25	0.09		0.07				19		4.3	0.00	0.05	3.51	0.00
3/31/90	8		50.0		6.21	79		0.28	0	9	0.04		0.08				17		6.4	0.00	0.02	4.01	0.00
6/27/90	8		0.0		7.94	176		0.10	4	56	0.03		0.01				27		2.0	0.00	0.00	0.01	0.00
6/29/90	8	4301454	0.0		7.30			nd	0	58	<.3		<.5				43		9.0	0.00	nd	0.01	nd
9/27/90	8		0.0					nd												0.00	0.00	0.01	0.00
12/13/90	8		0.0		6.70	123		0.17	-34	36	0.04		0.03				2		1.0	0.00	0.00	0.01	0.00
2/27/91	8		0.0		6.60	112		0.25	4	24	0.06		0.04				4		1.0	0.00	0.00	0.01	0.00
4/18/91	8		0.0		6.00	124		0.33	-6	30	0.07		0.05				7		1.0	0.00	0.00	0.01	0.00
6/12/91	8	4305884	0.0		7.40			nd	0	28	0.49		<.5				28		13.0	0.00	0.00	0.01	nd
8/8/91	8		0.0		7.00	727		1.42	-56	76	0.20		0.48				9		1.0	0.00	0.00	0.01	0.00
12/31/91	8		0.0		6.50	144		0.41	-14	30	0.14		0.01				26		1.0	0.00	0.00	0.01	0.00
2/24/92	8		0.0		6.60	97		0.28	30	14	0.08		0.03				8		5.0	0.00	0.00	0.01	0.00
4/15/92	8	4344116	0.0		6.30			nd	0	26	<.3		<.5				22		<.2	0.00	nd	nd	nd
6/12/92	8		0.0		6.70	239		0.13	-56	70	0.03		0.02				41		4.0	0.00	0.00	0.01	0.00
9/29/92	8		0.0		6.90	200		0.74	0	62	0.22		0.08				33		1.0	0.00	0.00	0.01	0.00
2/3/93	8		0.0		6.80	215		0.33	0	20	0.08		0.06				189		2.0	0.00	0.00	0.01	0.00
7/22/93	8		0.0		6.30	82		0.53	0	22	0.08		0.16				11		1.0	0.00	0.00	0.01	0.00
10/29/93	8		0.0		6.30	109		0.24	0	29	0.04		0.06				18		3.0	0.00	0.00	0.01	0.00
2/20/94	8		0.0		7.35	124		0.16	0	24	0.03		0.04				18		0.4	0.00	0.00	0.01	0.00
6/20/94	8		0.0		7.75	138		0.14	0	32	0.03		0.03				20		0.8	0.00	0.00	0.01	0.00
9/7/94	8	4346340	0.0		6.60			nd	0	46	<.3		0.97				26		<.3	0.00	nd	0.01	0.00
9/30/94	8		0.0		7.54	118		0.14	0	28	0.03		0.03				15		0.4	0.00	0.00	0.01	0.00
10/1/94	8		0.0		7.30	108		0.14	0	28	0.03		0.03				15		2.0	0.00	0.00	0.01	0.00
5/11/95	8		35.0		7.30	110		0.05	0	34	0.01		0.01				16		2.3	0.00	0.00	0.36	0.00
8/7/95	8	4346299	0.0		6.80			nd	0	54	<.3		<.5				28		<.3	0.00	nd	nd	nd
9/27/95	8		25.0		6.80	112		0.25	0	36	0.05		0.06				18		1.8	0.00	0.02	1.51	0.00
12/5/95	8		0.0		5.10	55		0.51	0	8	0.01		0.05				20		0.3	0.00	0.00	0.01	0.00
3/29/96	8		15.0		6.90	80		0.20	0	20	0.05		0.03				13		4.3	0.00	0.01	0.46	0.00
6/25/96	8		40.0		6.80	140		0.17	0	36	0.04		0.03				21		1.0	0.00	0.02	1.21	0.00
8/7/96	8	4328319	0.0		6.80			nd	0	72	<.3		<.5				32		<.3	0.00	nd	nd	nd
9/6/96	8		0.0					nd												0.00	0.00	0.01	0.00
12/13/96	8		0.0		6.80	90		0.19	0	24	0.04		0.04				18		0.3	0.00	0.00	0.01	0.00
3/31/97	8		100.0		6.80	115		0.17	0	38	0.04		0.03				29		1.3	0.00	0.05	3.01	0.00
6/4/97	8	4328646	0.0		6.60			nd	0	38	<.3		<.5				36		<.3	0.00	nd	nd	nd
6/24/97	8		55.0		7.00	163		0.37	0	58	0.04		0.14				20		0.7	0.00	0.03	7.71	0.00
9/29/97	8		25.0		7.20	161		0.17	0	54	0.04		0.03				22		0.7	0.00	0.01	0.76	0.00

Glen White Pyrolusite.xls

WATER QUALITY DATA SUMMARY																										
Laurel Land Development																	SMP 11860101									
Blacklick Township																	Cambria County									
Description- Deep Mine Discharge																	Latitude		40-13-18		Longitude		78-50-32			
Sample	Monitoring	Sample	Flow	pH	pH	Specific	Temp.	Total Acidity	Net Acidity	Total	Total	Total	Total	Total	Total	Total	Susp.	Acid	Fe	Mn	Al					
Date	Point	Number	(gpm)	(field)	(lab)	Conduct.	(deg. C)	(calculated)	(lab)	Alkalinity	Fe	Ferrous	Al	Mn	Mg	Ca	Sulfates	Hardness	Solids	Loading	Loading	Loading				
						(umhos/cm)		(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(lbs/day)	(lbs/day)	(lbs/day)			
8/28/84	10		50.0		7.40	295	nd	1.44	0	96	0.48		0.08				48		3.4	0.00	0.29	4.01	0.00			
1/8/85	10		10.0		5.10	435		8.37	10	2	1.00		2.90				265		4.8	1.18	0.12	29.01	0.00			
10/29/85	10		3.0		7.00	350		0.14	0	76	0.03		0.03				49		0.8	0.00	0.00	0.10	0.00			
11/17/85	10		15.0			380		nd												0.00	0.00	0.01	0.00			
12/27/85	10		15.0		7.20	360		0.14	0	90	0.03		0.03				43		1.6	0.00	0.01	0.46	0.00			
1/14/86	10		20.0			280		nd												0.00	0.00	0.01	0.00			
2/13/86	10		20.0		6.90	245		0.30	0	83	0.09		0.03				34		2.2	0.00	0.02	0.61	0.00			
3/26/86	10		15.0			260		nd												0.00	0.00	0.01	0.00			
5/12/87	10		20.0		7.40	260		0.14	0	89	0.03		0.03				36		1.8	0.00	0.01	0.61	0.00			
3/30/88	10		20.0		6.90	275		0.14	0	73	0.03		0.03				39		3.2	0.00	0.01	0.61	0.00			
6/20/88	10		10.0		7.10	250		0.08	0	78	0.02		0.01				42		0.8	0.00	0.00	0.11	0.00			
9/26/88	10		5.0		6.80	225		0.08	0	63	0.02		0.01				37		1.7	0.00	0.00	0.06	0.00			
12/16/88	10		15.0		6.70	240		0.13	0	58	0.03		0.02				34		2.3	0.00	0.01	0.31	0.00			
3/16/89	10		10.0		6.60	235		0.08	0	48	0.02		0.01				37		1.5	0.00	0.00	0.11	0.00			
6/22/89	10		20.0		6.50	225		0.11	0	42	0.03		0.01				29		3.2	0.00	0.01	0.21	0.00			
9/27/89	10		20.0		6.89	276		0.72	0	86	0.24		0.04				167		2.0	0.00	0.06	0.81	0.00			
12/27/89	10		25.0		6.40	263		0.93	0	45	0.32		0.03				64		3.5	0.00	0.10	0.76	0.00			
3/31/90	10		26.0		5.99	221		7.03	4	6	2.34		0.38				62		40.4	1.25	0.73	9.89	0.00			
6/27/90	10		0.0		8.09	165		0.18	4	58	0.06		0.01				27		3.0	0.00	0.00	0.01	0.00			
6/29/90	10	4301452			7.50			nd	0	104	<.3		<.5	<.05			73		10.0	nd	nd	nd	nd			
12/13/90	10		35.0		7.10	301		0.08	0	98	0.02		0.01				44		1.0	0.00	0.01	0.36	0.00			
2/27/91	10		100.0		7.30	272		0.15	0	86	0.04		0.02				38		1.0	0.00	0.05	2.01	0.00			
4/18/91	10		60.0		7.20	264		0.23	0	82	0.05		0.05				35		1.0	0.00	0.04	3.01	0.00			
8/8/91	10		2.0		7.50	304		0.33	0	86	0.10		0.03				36		1.0	0.00	0.00	0.07	0.00			
12/31/91	10		60.0		7.40	309		0.50	0	86	0.17		0.02				59		3.0	0.00	0.12	1.21	0.00			
2/24/92	10		75.0		7.20	270		0.13	0	84	0.04		0.01				44		2.0	0.00	0.04	0.76	0.00			
4/15/92	10	4344118			7.00			nd	0	98	<.3		<.5	<.05			39		3.0	nd	nd	nd	nd			
6/12/92	10		25.0		6.70	297		0.11	0	94	0.03		0.01				50		3.0	0.00	0.01	0.26	0.00			
9/29/92	10		20.0		7.20	290		0.61	0	92	0.20		0.04				51		2.0	0.00	0.05	0.81	0.00			
2/3/93	10		25.0		4.30	440		11.64	32		3.20		0.30				141		10.0	9.62	0.96	7.51	0.00			
7/22/93	10				7.30	310		0.27	0	99	0.06		0.06				39		1.0	nd	nd	nd	nd			
10/26/93	10				7.10	298		0.14	0	95	0.03		0.03				47		1.0	nd	nd	nd	nd			
9/7/94	10	4346341			6.80			nd	0	106	<.3		1.02	<.05			39		<.3	nd	nd	nd	nd			
5/11/95	10		15.0		7.80	262		0.05	0	100	0.01		0.01				30		1.7	0.00	0.00	0.16	0.00			
8/7/95	10	4346300			7.00			nd	0	110	<.3		<.5	<.05			38		<.3	nd	nd	nd	nd			
9/27/95	10		10.0		7.60	273		0.07	0	125	0.02		0.01				36		1.5	0.00	0.00	0.11	0.00			
12/5/95	10		2.0		6.20	57		0.08	0	10	0.01		0.01				20		0.3	0.00	0.00	0.03	0.00			
6/25/96	10		1.0		6.80	227		0.31	0	23	0.10		0.02				62		2.3	0.00	0.00	0.03	0.00			
8/7/96	10	4328318			6.60			nd	0	110	<.3		<.5	<.05			37		<.3	nd	nd	nd	nd			
4/2/97	10		3.0		7.20	270		0.18	0	108	0.06		0.01				47		0.3	0.00	0.00	0.04	0.00			
6/4/97	10	4328647			6.70			nd	0	56	<.3		<.5	0.06			30		<.3	nd	nd	nd	nd			
6/24/97	10		28.0		7.40	270		0.26	0	108	0.04		0.08				32		0.3	0.00	0.01	2.25	0.00			
9/29/97	10		3.8		7.70	290		0.16	0	106	0.04		0.03				39		0.3	0.00	0.00	0.13	0.00			