

The Effects of Subsidence Resulting from Underground Bituminous Coal Mining on Surface Structures and Features and on Water Resources, 2003 to 2008 – University of Pittsburgh

APPENDIX B1: Summary of Reported Effects from Active and Closed Mines during the 3rd Assessment Period

Mine Name	Structures Reported Effects					Water Supply Reported Effects					Land Reported Effects				
	Total	CL*	CNL*	I*	O*	Total	CL*	CNL*	I*	O*	Total	CL*	CNL*	I*	O*
Active Mines															
4 West (P)**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Agustus (R)	-	-	-	-	-	2	0	0	1	1	-	-	-	-	-
Bailey (L)	53	33	6	7	7	70	22	9	26	13	13	3	7	3	0
Beaver Valley (R)	-	-	-	-	-	2	1	1	0	0	1	0	1	0	0
Blacksville No.2 (L)	16	11	2	1	2	18	6	2	6	4	7	3	1	3	0
Cherry Tree (R)	-	-	-	-	-	13	4	5	3	1	-	-	-	-	-
Clementine No.1 (R)	15	0	2	13	0	51	25	16	9	1	-	-	-	-	-
Crawdad No.1 (P)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumberland (L)	41	26	7	4	4	35	21	2	11	1	20	11	6	3	0
Darmac No.2 (R)	-	-	-	-	-	4	1	3	0	0	-	-	-	-	-
Darmac No.3 (R)	-	-	-	-	-	3	1	0	1	1	-	-	-	-	-
Dooley Run (P)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dora No.8 (R)	-	-	-	-	-	1	0	1	0	0	-	-	-	-	-
Dunkard No.2 (P)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dutch Run (R)	-	-	-	-	-	2	1	1	0	0	-	-	-	-	-
Eighty-Four (L)	126	91	12	19	4	115	50	25	35	5	16	7	3	3	3
Emerald (L)	42	27	9	6	0	40	22	7	8	3	15	5	6	4	0
Enlow Fork (L)	115	92	4	18	1	109	32	18	54	5	15	12	1	2	0
Genesis No.17 (R)	-	-	-	-	-	8	3	5	0	0	-	-	-	-	-
Geronimo (R)	-	-	-	-	-	2	0	1	0	1	-	-	-	-	-
Gillhouser Run (R)	-	-	-	-	-	2	0	2	0	0	-	-	-	-	-
High Quality (L)	34	20	12	1	1	10	10	0	0	0	8	5	3	0	0
Josephine No.3 (R)	1	0	1	0	0	3	0	3	0	0	-	-	-	-	-

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	Total	CL*	CNL*	I*	O*	Total	CL*	CNL*	I*	O*	Total	CL*	CNL*	I*	O*
Keystone East (R)	-	-	-	-	-	14	7	5	2	0	-	-	-	-	-
Little Toby (R)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Logansport (R)	-	-	-	-	-	9	3	5	0	1	-	-	-	-	-
Madison (R)	-	-	-	-	-	6	0	4	0	2	-	-	-	-	-
Miller (R)	-	-	-	-	-	2	0	2	0	0	-	-	-	-	-
Nolo (P)	-	-	-	-	-	20	10	4	4	2	-	-	-	-	-
Ondo (R)	5	0	0	2	3	18	2	8	3	5	-	-	-	-	-
Parkwood (R)	-	-	-	-	-	3	1	1	1	0	-	-	-	-	-
Penfield (R)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penn View (R)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quecreek No.1 (R)	-	-	-	-	-	22	6	11	4	1	-	-	-	-	-
Rampside No.1 (R)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ridge (R)	2	1	1	0	0	13	10	1	1	1	2	2	0	0	0
Rossmoyne No.1 (R)	-	-	-	-	-	12	0	5	1	6	-	-	-	-	-
Roytown (R)	-	-	-	-	-	21	9	10	1	1	-	-	-	-	-
Sarah (R)	-	-	-	-	-	2	0	0	2	0	-	-	-	-	-
Shoemaker (L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stitt (R)	2	0	2	0	0	11	4	7	0	0	-	-	-	-	-
Titus (P)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TJS No.4 (R)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TJS No.5 (R)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TJS No.6 (R)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toms Run (R)	-	-	-	-	-	3	3	0	0	0	-	-	-	-	-
Tracy Lynne (R)	3	0	0	1	2	4	2	1	0	1	-	-	-	-	-
Triple K No.1 (R)	1	0	1	0	0	3	0	3	0	0	-	-	-	-	-
Twin Rocks (R)	-	-	-	-	-	2	0	2	0	0	-	-	-	-	-

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Mine Name	Structures Reported Effects					Water Supply Reported Effects					Land Reported Effects				
	Total	CL*	CNL*	I*	O*	Total	CL*	CNL*	I*	O*	Total	CL*	CNL*	I*	O*
Windber No.78 (R)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Active Subtotal	456	301	59	72	24	655	256	170	173	56	97	48	28	18	3
Closed Mines															
Cresson (R)	-	-	-	-	-	1	0	1	0	0	-	-	-	-	-
David Dianne (P)	-	-	-	-	-	3	1	0	0	2	-	-	-	-	-
Dilworth (L)	-	-	-	-	-	1	0	0	0	1	1	0	1	0	0
Emilie No.1&2 (R)	-	-	-	-	-	1	1	0	0	0	-	-	-	-	-
Heilwood (R)	-	-	-	-	-	1	0	1	0	0	-	-	-	-	-
Humphrey No.7 (P)	-	-	-	-	-	-	-	-	-	-	1	0	1	0	0
Kimberly Run (R)	-	-	-	-	-	1	0	1	0	0	-	-	-	-	-
Longview (P)	-	-	-	-	-	2	1	1	0	0	-	-	-	-	-
Lucerne No.6 (R)	-	-	-	-	-	1	0	1	0	0	-	-	-	-	-
Maple Creek (L)	-	-	-	-	-	9	8	1	0	0	8	2	6	0	0
Marshall Run (R)	-	-	-	-	-	1	0	1	0	0	-	-	-	-	-
Mine No.78 (R)	-	-	-	-	-	2	1	1	0	0	-	-	-	-	-
Solar No.7 (R)	-	-	-	-	-	2	0	2	0	0	-	-	-	-	-
Starford (R)	-	-	-	-	-	1	0	0	1	0	-	-	-	-	-
Tanoma (P)	-	-	-	-	-	1	0	0	0	1	0	0	1	0	-
Urling No.1&3 (R)	-	-	-	-	-	1	1	0	0	0	-	-	-	-	-
Close Subtotal	0	0	0	0	0	28	13	10	1	4	11	2	9	0	0
Total	456	301	59	72	24	683	269	180	174	60	108	50	37	18	3

* CL = Company Liable; CNL = Company Not Liable; I = Interim resolution; O = Outstanding resolution with no interim resolution.

** - (R) = Room-and-pillar mine, (P) = Room-and-pillar with pillar recover mine, and (L) = Longwall mine.

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APPENDIX B2: Summary of Reported Effects occurring in the 2nd Assessment Period at Active Mines and their Resolution Status at the end of the 3rd Assessment Period

Mine Name	Structures Reported Effects				Water Supply Reported Effects				Land Reported Effects			
	Total	Company Liable	Company Not Liable	Interim Resolution	Total	Company Liable	Company Not Liable	Interim Resolution	Total	Company Liable	Company Not Liable	Interim Resolution
Bailey (L)**	12	12	0	0	19	11	0	8	-	-	-	-
Blacksville No.2 (L)	1	1	0	0	15	13	1	1	1	1	0	0
Cumberland (L)	3	3	0	0	10	5	1	4	1	0	1	0
Dora No.8 (P)	-	-	-	-	1	0	1	0	-	-	-	-
Dutch Run (P)	-	-	-	-	2	2	0	0	-	-	-	-
Eighty-Four (L)	2	2	0	0	22	15	1	6	-	-	-	-
Emerald (L)	-	-	-	-	5	2	0	3	-	-	-	-
Enlow Fork (L)	7	7	0	0	22	19	1	2	3	2	0	1
High Quality (L)	1	1	0	0	-	-	-	-	-	-	-	-
Nolo (R)	-	-	-	-	1	1	0	0	-	-	-	-
Ondo (P)	-	-	-	-	1	0	1	0	-	-	-	-
Quecreek No.1 (P)	-	-	-	-	7	5	1	1	-	-	-	-
Rossmoyne No.1 (P)	-	-	-	-	1	0	0	1	-	-	-	-
Shoemaker (L)	-	-	-	-	1	1	0	0	-	-	-	-
Toms Run (P)	-	-	-	-	5	5	0	0	-	-	-	-
Active Subtotal	26	26	0	0	112	79	7	26	5	3	1	1
Closed Mines												
Barbara No.1 (R)	-	-	-	-	1	1	0	0	0	-	-	-
David Dianne (P)	-	-	-	-	16	14	0	2	0	-	-	-
Dilworth (L)	-	-	-	-	13	9	1	3	0	-	-	-
Dora No.6 (R)	-	-	-	-	30	0	0	30	0	-	-	-
Lucerne No.6E (R)	-	-	-	-	1	0	1	0	0	-	-	-
Maple Creek (L)	-	-	-	-	56	54	1	1	0	-	-	-

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Mine Name	Structures Reported Effects				Water Supply Reported Effects				Land Reported Effects			
	Total	Company Liabile	Company Not Liabile	Interim Resolu-tion	Total	Company Liabile	Company Not Liabile	Interim Resolu-tion	Total	Company Liabile	Company Not Liabile	Interim Resolu-tion
Marshall Run (R)	-	-	-	-	3	3	0	0	0	-	-	-
Mathies (P)	-	-	-	-	10	10	0	0	0	-	-	-
Sandy Lands (R)	-	-	-	-	1	1	0	0	0	-	-	-
Solar No.7 (R)	-	-	-	-	1	0	1	0	0	-	-	-
Closed Subtotal	0	0	0	0	132	92	4	36	0	0	0	0
Total	26	26	0	0	244	171	11	62	5	3	1	1

* - Unresolved consist of reported effects with interim resolutions or an outstanding resolution at the end of the 3rd assessment period. See Sections V, VI, and VII for more information and analysis.

** - (R) = Room-and-pillar mine, (P) = Room-and-pillar with pillar recover mine, and (L) = Longwall mine.