

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 E1: Stream Investigation Reports for the 3rd Assessment Period.

Panels	PA WRDS Stream Code	Stream Name (UT*)	Nature of Damage	Claim #	Days to Resolution (NR**)	Stream Designated Use
Bailey Mine						
1I, 2I	32598	Polly Hollow	Flow loss	ST0427	1688	Trout-stocked fishery
2I, 3I	32598	Polly Hollow	Flow loss	ST0431	NR	Trout-stocked fishery
1I	32514	UT Crabapple Creek	Flow loss	ST0429	1285	Warm water fishery
1I	32596	UT North Fork of Dunkard Fork	Flow loss	ST0428	NR	Trout-stocked fishery
2I	32596	UT North Fork of Dunkard Fork	Flow loss	ST0434	169	Trout-stocked fishery
3I	32596	UT North Fork of Dunkard Fork	Flow loss	ST0502	NR	Trout-stocked fishery
4I	32596	UT North Fork of Dunkard Fork	Flow loss	ST0512	NR	Trout-stocked fishery
2I, 3I	32530	UT to Dunkard Fork	Flow loss	ST0505	1108	Warm water fishery
4I	32595	UT North Fork of Dunkard Fork	Flow loss	ST0519	NR	Trout-stocked fishery
2I, 3I	32598	Polly Hollow Trib to Dunkard Fork	Flow loss	ST0501	NR	Trout-stocked fishery
4I	32598	Polly Hollow Trib to Dunkard Fork	Flow loss	ST0513	NR	Trout-stocked fishery
7H	32507	UT to Wharton Run	Flow loss	ST0511	NR	Warm water fishery
4I, 5I	Not listed	Crow's Nest Trib to North Fork Dunkard Fork	Flow loss	ST0601	NR	No Data
14C	32511	UT Dunkard Fork	Flow Loss	ST0315	1217	Warm water fishery
15C	32511	UT Dunkard Fork	Flow Loss	ST0318	NR	Warm water fishery
8H	32532	UT Dunkard Fork	Flow loss	ST0606	NR	Warm water fishery
8H	32533	UT to Dunkard Fork	Flow loss		NR	Warm water fishery
7I, 8I	32597	UT North Fork of Dunkard Fork	Flow loss		NR	Trout-stocked fishery
7I	32537	UT South Fork of Dunkard Fork	Flow loss		NR	Trout-stocked fishery
7I, 8I	32538	UT South Fork of Dunkard Fork	Flow Loss	ST0605	NR	Trout-stocked fishery
9H	32508	UT Wharton Run	Flow Loss	ST0702	NR	Warm water fishery
9H	32534	UT to Dunkard Fork	Flow Loss		NR	Warm water fishery
8I	Not listed	UT South Fork of Dunkard Fork	Flow loss		NR	Trout-stocked fishery

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17C, 18C	Not listed	UT Dunkard Fork	Flow loss	ST0703	488	Warm water fishery
Blacksville No.2 Mine						
3N, 4N	41728	Bull Dog Run	Flow loss	ST0432	259	Warm water fishery
5N	41733	Bells Run	Flow loss	ST0508	1175	Warm water fishery
5N	41729	Bull Dog Run	Flow loss & pooling	ST0506	NR	Warm water fishery
21M	41835	UT to Tom's Run	Flow loss	ST0707	377	Warm water fishery
Cumberland Mine						
49, 50	41246, 41249	UT Dutch Run	Flow loss	ST0430	NR	Trout-stocked fishery
46, 47	41261	Dyers Fork	Flow loss	ST0323	136	Trout-stocked fishery
49, 50	41268	Mt Phoebe Run	Flow loss	ST0517	216	Trout-stocked fishery
51	41269	Mt Phoebe Run	Pooling		NR	Trout-stocked fishery
51, 52	41264	UT 41264	Flow loss	ST0603	NR	Trout-stocked fishery
50, 51	41267	UT	Flow loss	ST0607	NR	Trout-stocked fishery
47	41278	UTs Dyers Fork	Pooling	ST0325	300	Trout-stocked fishery
Mine Eighty-Four						
5B	40824	Brush Run	Flow loss	ST0510	1092	Trout-stocked fishery
1B, 2B	37029	UT Little Chartiers Creek	Flow loss	ST0518	260	HQ Warm Water fishery
Emerald Mine						
B1, B2	not listed, 40417, 40418	Coal Lick Run & UT's	Flow loss	ST0507	540	Warm water fishery
B2	not listed, 41239	Frosty Run	Flow loss	ST0504	NR	Trout-stocked fishery
B3	not listed, 41238	Frosty Run	Flow loss	ST0515	NR	Trout-stocked fishery
B4	41237	UT Frosty Run	Flow loss	ST0604	NR	Trout-stocked fishery
B4, B5	41254	UT Dutch Run	Flow loss	ST0706	NR	Trout-stocked fishery
B3, B4, B5	41256	UT Dutch Run	Flow Loss	ST0708	NR	Trout-stocked fishery
Enlow Fork Mine						
F13, F14	32719	UT Rocky Run	Flow loss	ST0701	NR	Trout-stocked fishery
F8, F9	32721	UT Rocky Run	Flow loss	ST0433	562	Trout-stocked

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Panels	PA WRDS Stream Code	Stream Name (UT*)	Nature of Damage	Claim #	Days to Resolution (NR**)	Stream Designated Use
						fishery
F10, F11, F13	32736	UT Templeton Fork	Flow loss	ST0509	580	Trout-stocked fishery
F13, F14	32740	UT Templeton Fork	Flow loss		NR	Trout-stocked fishery
E14	40921	UT Short Creek			NR	Trout-stocked fishery
E13, E14	40930	UT Short Creek	Flow loss	ST0704	488	Trout-stocked fishery
E13, E14	32724	UT Rocky Run	Flow loss	ST0710	NR	Trout-stocked fishery
E15	40946	UT Crafts Creek	Flow Loss	ST0709	NR	Trout-stocked fishery
F16	Not Listed.	UT Templeton Fork	Flow Loss		NR	Trout-stocked fishery
High Quality Mine						
2 East	39642	UT Taylor Run	Flow loss	ST0516	842	Warm water fishery
4 East, 5 East	39816	UT Maple Creek	Flow Loss		NR	Warm water fishery
Shoemaker Mine						
14A, 8 North	Not listed	UT Turkey Run	Flow loss	ST0514	987	No Data

* UT = Unnamed Tributary

** NR = Not Resolved

APPENDIX E2: Streams Re-Surveyed from the 2nd Assessment Period with Mitigation Work and Flow Status Observations (made by the University).

Mine Name	WRDS Stream Code	Stream Name	Mitigation Technique Employed	Length flowing, ft	Length pooled, ft	Length dry, ft
Bailey	32500	Stone Coal Run	Flow recovered	1,823	0	1,270
Bailey	32511	UT* to Dunkard Fork	Heave removal in 16C panel; Grouting in 15C and 16C panels; Reclaimed spring used for augmentation	1,371	0	495
Bailey	32513	Crabapple Creek	Unknown			
Bailey	32600	Kent Run	Unknown	2,231	0	0
Bailey	32650	Robinson Fork	Flow recovered			
Bailey	32652	UT to Robinson Fork	Flow recovered			
Bailey	32653	UT to Robinson Fork	Flow recovered	141	0	149
Bailey	N/A	UT to Dunkard Fork	Unknown			
Bailey	N/A	UT to Robinson Fork	Flow recovered			
Blacksville No.2	41813	Roberts Run	Gate cutting on 7R-8R gate; Gate cutting on 6R-7R gate; Gate cutting on 5R-6R gate; Gate cutting on 4R-5R gate	4,526	310	0
Dilworth	40312	UT to South Fork Tenmile Creek	Restored - grouting?			
Dilworth	40313	UT to South Fork Tenmile Creek	Intermittent - no mitigation required			
Dilworth	40314	UT to South Fork Tenmile Creek	Intermittent - no mitigation required			
Dilworth	40315	UT to South Fork Tenmile Creek	Intermittent - no mitigation required			
Emerald	40432	Laurel Run	Channel re-graded in 1N, 3N panels; Grouting in 4N, 5N, 6N, 7N, and 8N panels; Gate cutting on 6N-7N gate; Liner over the 5N panel	0	0	735
Emerald	40442	UT To Laurel Run	Grouting	0	0	2,359
Enlow Fork	32708	Templeton Fork	Gate cutting on F9-F10 gate; Gate cutting on F11-F12 gate	3,808	33	0
Enlow Fork	32712	Rocky Run	Gate cutting on F4-F5 gate; Gate cutting on F5-F6 gate	2,807	0	0
Enlow Fork	32644	Enlow Fork	Gate cutting on 6C-7C gate; Gate cutting on 7C-8C gate	2,877	0	0
Maple Creek	N/A	UT to Mingo Creek	Unknown			
Eighty-Four	36989	UT to Little Chartiers Creek	Unknown	2,911	15	0

* UT = Unnamed Tributary