

ATTACHMENT 8.12A

WETLAND INVENTORY

Form 8.12A - Wetland inventory

Operator: Cumberland Contura, LLC
 Operation Name: Cumberland Mine
 Permit Number: 30831303
 Watershed: Monongahela River

Date: September 2006 - February 2011
Pre-Mining

Date: April 2014 - August 2017
Post-Mining

Wetland Number	Panel ID	Pre-Mining Size by Cowardin Classification (acres)					Post-Mining Size by Cowardin Classification (acres)					Chapter 105 Classification		Primary Wetland Function										Anticipated Adverse Impact to Wetland		Type of Adverse Impact to Wetland		Mitigation Action	
		Total Acres	PEM	PSS	PFO	POW	Total Acres	PEM	PSS	PFO	POW	EV	Other	General Habitat	Study Area	Flood Storage	Discharge Area	Recharge Area	Pollution Prevention	Recreation	Other	No	Yes	Dewatering	Inundation	Gate Cutting	Compensatory Replacement		
BELLS RUN WATERSHED																													
W02DAM41916	LW-63	0.000					0.012	0.012				NO	NO	NO	NO	NO	YES	NO	NO	NO	NO								
W03GMM41916	LW-63	0.000					0.015	0.015				NO	NO	NO	NO	NO	YES	NO	NO	NO	NO								
W02ABK70617	LW-64	0.000					0.218	0.196	0.011	0.011		NO	NO	YES	NO	YES	NO	YES	YES	NO	NO								
W03ABK70617	LW-64	0.000					0.140	0.140				NO	NO	NO	NO	NO	YES	NO	YES	NO	NO								
W04ABK70617	LW-64	0.000					0.063	0.044	0.003		0.016	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO								
W01SHD70717	LW-64	0.000					0.011	0.010	0.001			NO	NO	NO	NO	NO	YES	NO	NO	NO	NO								
W02SHD70717	LW-64	0.000					0.006	0.005	0.001			NO	NO	NO	NO	NO	YES	NO	NO	NO	NO								
W03SHD70717	LW-64	0.000					0.014	0.012	0.002			NO	NO	NO	NO	NO	YES	NO	NO	NO	NO								
W04SHD70717	LW-64	0.000					0.012	0.012				NO	NO	NO	NO	NO	YES	NO	NO	NO	NO								
W01ABK80717	LW-64	0.000					0.015	0.015				NO	NO	NO	NO	NO	YES	NO	NO	NO	NO								
W02ABK80717	LW-64	0.000					0.027	0.027				NO	NO	NO	NO	NO	YES	NO	NO	NO	NO								
W03ABK80717	LW-64	0.000					0.198	0.178	0.010	0.010		NO	NO	NO	NO	YES	NO	YES	YES	NO	NO								
W01DAM80917	LW-64	0.000					0.066	0.066				NO	NO	NO	NO	NO	NO	YES	NO	NO	NO								
W01ABK82317	LW-65	0.000					0.057	0.057				NO	NO	NO	NO	NO	YES	NO	NO	NO	NO								
W02ABK82317	LW-65	0.000					0.047	0.043	0.002	0.002		NO	NO	YES	NO	NO	NO	YES	NO	NO	NO								
W03ABK82317	LW-65	0.000					0.024	0.023	0.001			NO	NO	YES	NO	NO	NO	YES	YES	NO	NO								
W04ABK82317	LW-65	0.000					0.032	0.032				NO	NO	NO	NO	NO	YES	NO	YES	NO	NO								
W01ABK82417	LW-65	0.000					0.007	0.007				NO	NO	NO	NO	NO	YES	NO	NO	NO	NO								
W02ABK82417	LW-65	0.000					0.080	0.080				NO	NO	NO	NO	YES	YES	NO	YES	NO	NO								
HARGUS CREEK WATERSHED																													
W02GMM81915	LW-63	0.000					0.016	0.016				NO	NO	NO	NO	NO	YES	NO	NO	NO	NO								
HOOVERS RUN WATERSHED																													
W02DAM8917	LW-65	0.000					0.068	0.068				NO	NO	YES	NO	NO	YES	NO	NO	NO	NO								
W03DAM8917	LW-65	0.000					0.024	0.023		0.001		NO	NO	NO	NO	NO	YES	NO	NO	NO	NO								
MAPLE RUN WATERSHED																													
MR_22312_1	LW-60	0.539	0.539				0.539	0.539				NO	NO	YES	NO	YES	NO	YES	YES	NO	NO								

Wetland Number	Panel ID	Pre-Mining Size by Cowardin Classification (acres)					Post-Mining Size by Cowardin Classification (acres)					Chapter 105 Classification		Primary Wetland Function								Anticipated Adverse Impact to Wetland		Type of Adverse Impact to Wetland		Mitigation Action				
		Total Acres	PEM	PSS	PFO	POW	Total Acres	PEM	PSS	PFO	POW	EV	Other	General Habitat	Study Area	Flood Storage	Discharge Area	Recharge Area	Pollution Prevention	Recreation	Other	No	Yes	Dewatering	Inundation	Gate Cutting	Compensatory Replacement			
PURSLEY CREEK WATERSHED																														
PC-2	LW-62	0.111	0.111				0.596	0.596				NO	NO	YES	NO	YES	NO	YES	YES	NO	NO									
PC-3	LW-61	0.474	0.474				0.779	0.779				NO	NO	YES	NO	YES	NO	YES	YES	NO	NO									
W01GMM62614	LW-61	0.000					0.272	0.258	0.014			NO	NO	YES	NO	YES	NO	YES	YES	NO	NO									
W02GMM62614	LW-61	0.000					0.064	0.058	0.006			NO	NO	NO	NO	YES	NO	YES	NO	NO	NO									
W01GMM91514	LW-61	0.000					0.085	0.085				NO	NO	NO	NO	YES	YES	NO	NO	NO	NO									
W01GMM91614	LW-61	0.000					0.060	0.054		0.006		NO	NO	NO	NO	NO	YES	NO	YES	NO	NO									
W02GMM91614	LW-61	0.000					0.030	0.030				NO	NO	NO	NO	YES	NO	YES	NO	NO	NO									
W01GMM8315	LW-61	0.000					0.128	0.122	0.006			NO	NO	YES	NO	YES	YES	YES	YES	NO	NO									
W01GMM8615	LW-62	0.000					0.065	0.065				NO	NO	YES	NO	YES	NO	YES	YES	NO	NO									
W01DAM8715	LW-62	0.000					0.022	0.022				NO	NO	NO	NO	NO	YES	NO	YES	NO	NO									
W01GMM81015	LW-62	0.000					0.035	0.033	0.002			NO	NO	NO	NO	YES	YES	NO	YES	NO	NO									
W02GMM81015	LW-62	0.000					0.197	0.187	0.010			NO	NO	YES	NO	YES	YES	YES	YES	NO	NO									
W03GMM81015	LW-62	0.000					0.202	0.202				NO	NO	YES	NO	YES	YES	YES	YES	NO	NO									
W01GMM81115	LW-62	0.000					0.077	0.073		0.004		NO	NO	YES	NO	YES	NO	YES	YES	NO	NO									
W02GMM81115	LW-62	0.000					0.117	0.111		0.006		NO	NO	YES	NO	YES	NO	YES	YES	NO	NO									
W01DAM81715	LW-62	0.000					0.011	0.011				NO	NO	NO	NO	NO	NO	YES	NO	NO	NO									
W02DAM81715	LW-62	0.000					0.020	0.020				NO	NO	NO	NO	YES	YES	YES	YES	NO	NO									
W01GMM81915	LW-62	0.000					0.009	0.008	0.001			NO	NO	NO	NO	NO	NO	YES	NO	NO	NO									
W01DAM82015	LW-63	0.000					0.011	0.011				NO	NO	NO	NO	NO	YES	NO	YES	NO	NO									
W01GMM82015	LW-63	0.000					0.046	0.046				NO	NO	YES	NO	YES	NO	YES	YES	NO	NO									
W01GMM41916	LW-63	0.000					0.043	0.043				NO	NO	NO	NO	NO	YES	NO	YES	NO	NO									
W02GMM41916	LW-63	0.000					0.069	0.069				NO	NO	NO	NO	YES	NO	YES	NO	NO	NO									
TH-3	LW-60	0.297	0.282	0.015			0.232	0.220	0.012			NO	NO	YES	NO	YES	NO	YES	YES	NO	NO									
W01DAM42214	LW-60	0.000					0.003	0.003				NO	NO	NO	NO	NO	NO	YES	YES	NO	NO									
W02DAM42214	LW-60	0.000					0.018	0.014	0.003	0.001		NO	NO	NO	NO	NO	YES	NO	YES	NO	NO									
W01DAM42314	LW-60	0.000					0.058	0.048	0.009	0.001		NO	NO	YES	NO	YES	YES	YES	YES	NO	NO									
W02DAM42314	LW-60	0.000					0.057	0.048	0.006	0.003		NO	NO	YES	NO	YES	YES	YES	YES	NO	NO									
TUSTIN RUN WATERSHED																														
TR-2*	LW-64	1.000	1.000				SEE TR-3					SEE TR-3																		
TR-3	LW-64	0.173	0.138		0.035		1.167	0.934		0.233		NO	NO	YES	NO	YES	YES	YES	YES	NO	NO									
TR-4	LW-64/65	4.345	4.128	0.217			3.944	3.865	0.079			NO	NO	YES	NO	YES	YES	YES	YES	NO	NO									
W01GMM41816	LW-63	0.000					0.015	0.013	0.001	0.001		NO	NO	NO	NO	NO	YES	NO	NO	NO	NO									
W01DAM41816	LW-63	0.000					0.021	0.020		0.001		NO	NO	NO	NO	NO	YES	NO	NO	NO	NO									
W01DAM41916	LW-63	0.000					0.006	0.005		0.001		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO									

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		Total Acres	PEM	PSS	PFO	POW	Total Acres	PEM	PSS	PFO	POW	EV	Other	General Habitat	Study Area	Flood Storage	Discharge Area	Recharge Area	Pollution Prevention	Recreation	Other	No	Yes	Dewatering	Inundation	Gate Cutting	Compensatory Replacement
W02ABK80316	LW-64	0.000					0.002	0.002				NO	NO	NO	NO	NO	YES	NO	NO	NO	NO						
W01ABK81016	LW-64	0.000					0.012	0.011	0.001			NO	NO	YES	NO	NO	YES	NO	YES	NO	NO						
W02ABK81016	LW-64	0.000					0.018	0.018				NO	NO	YES	NO	YES	YES	NO	YES	NO	NO						
W03ABK81016	LW-64	0.000					0.014	0.014				NO	NO	NO	NO	YES	NO	NO	NO	NO	NO						
W01ABK82616	LW-64	0.000					0.690	0.242			0.448	NO	NO	YES	NO	YES	YES	YES	YES	NO	NO						
W02ABK82616	LW-64	0.000					0.079	0.079				NO	NO	YES	NO	YES	NO	YES	YES	NO	NO						
W03ABK82616	LW-64	0.000					0.010	0.010				NO	NO	NO	NO	NO	YES	NO	NO	NO	NO						
W01DAM82616	LW-64	0.000					0.086	0.086				NO	NO	YES	NO	NO	YES	NO	YES	NO	NO						
W02DAM82616	LW-64	0.000					0.021	0.021				NO	NO	YES	NO	YES	NO	YES	YES	NO	NO						
W03DAM82616	LW-64	0.000					0.203	0.203				NO	NO	YES	NO	YES	NO	YES	YES	NO	NO						
W04DAM82616	LW-64	0.000					0.023	0.018		0.005		NO	NO	YES	NO	YES	NO	YES	YES	NO	NO						
W05DAM82616	LW-64/65	0.000					1.166	0.816	0.233	0.117		NO	NO	YES	NO	YES	NO	YES	YES	NO	NO						
W01DAM82916	LW-64	0.000					0.004	0.004				NO	NO	NO	NO	NO	NO	NO	NO	NO	NO						
W02ABK81517	LW-65	0.000					0.165	0.157	0.008			NO	NO	NO	NO	NO	YES	NO	NO	NO	NO						
W03ABK81517	LW-65	0.000					0.866	0.823	0.043			NO	NO	NO	NO	NO	YES	NO	NO	NO	NO						
W01ABK81617	LW-65	0.000					0.010	0.010				NO	NO	YES	NO	YES	YES	NO	YES	NO	NO						
W02ABK81617	LW-65	0.000					0.402	0.201	0.020	0.060	0.121	NO	NO	YES	NO	YES	NO	YES	YES	NO	NO						
W01SHD81617	LW-65	0.000					0.021	0.021				NO	NO	YES	NO	YES	NO	YES	YES	NO	NO						
W02SHD81617	LW-65	0.000					0.045	0.043	0.002			NO	NO	NO	NO	NO	YES	NO	NO	NO	NO						
W01ABK81717	LW-65	0.000					0.052	0.052				NO	NO	NO	NO	YES	NO	YES	NO	NO	NO						
W02ABK81717	LW-65	0.000					0.009	0.009				NO	NO	YES	NO	YES	NO	YES	YES	NO	NO						
W03ABK81717	LW-65	0.000					0.146	0.146				NO	NO	YES	NO	YES	NO	YES	YES	NO	NO						
W01ABK81817	LW-65	0.000					0.005	0.005				NO	NO	YES	NO	YES	NO	YES	YES	NO	NO						
W02ABK81817	LW-65	0.000					0.042	0.042				NO	NO	NO	NO	NO	YES	NO	NO	NO	NO						
W01ABK82117	LW-65	0.000					0.053	0.053				NO	NO	NO	NO	NO	YES	NO	NO	NO	NO						
W02ABK82117	LW-65	0.000					0.026	0.026				NO	NO	YES	NO	YES	YES	NO	YES	NO	NO						
W03ABK82117	LW-65	0.000					0.015	0.015				NO	NO	YES	NO	YES	NO	YES	YES	NO	NO						
W04ABK82117	LW-65	0.000					0.403	0.383	0.020			NO	NO	YES	NO	YES	YES	YES	YES	NO	NO						
Total:		6.938	6.671	0.232	0.035	0.000	14.736	13.183	0.506	0.463	0.585	Notes: *Post-mining delineations determined that TR-3 has grown to encompass the pre-mining TR-2 wetland to form one (1) wetland resource.															
		6.938					14.736																				
		+		7.798																							