

EXHIBIT A: PROJECT LOCATION

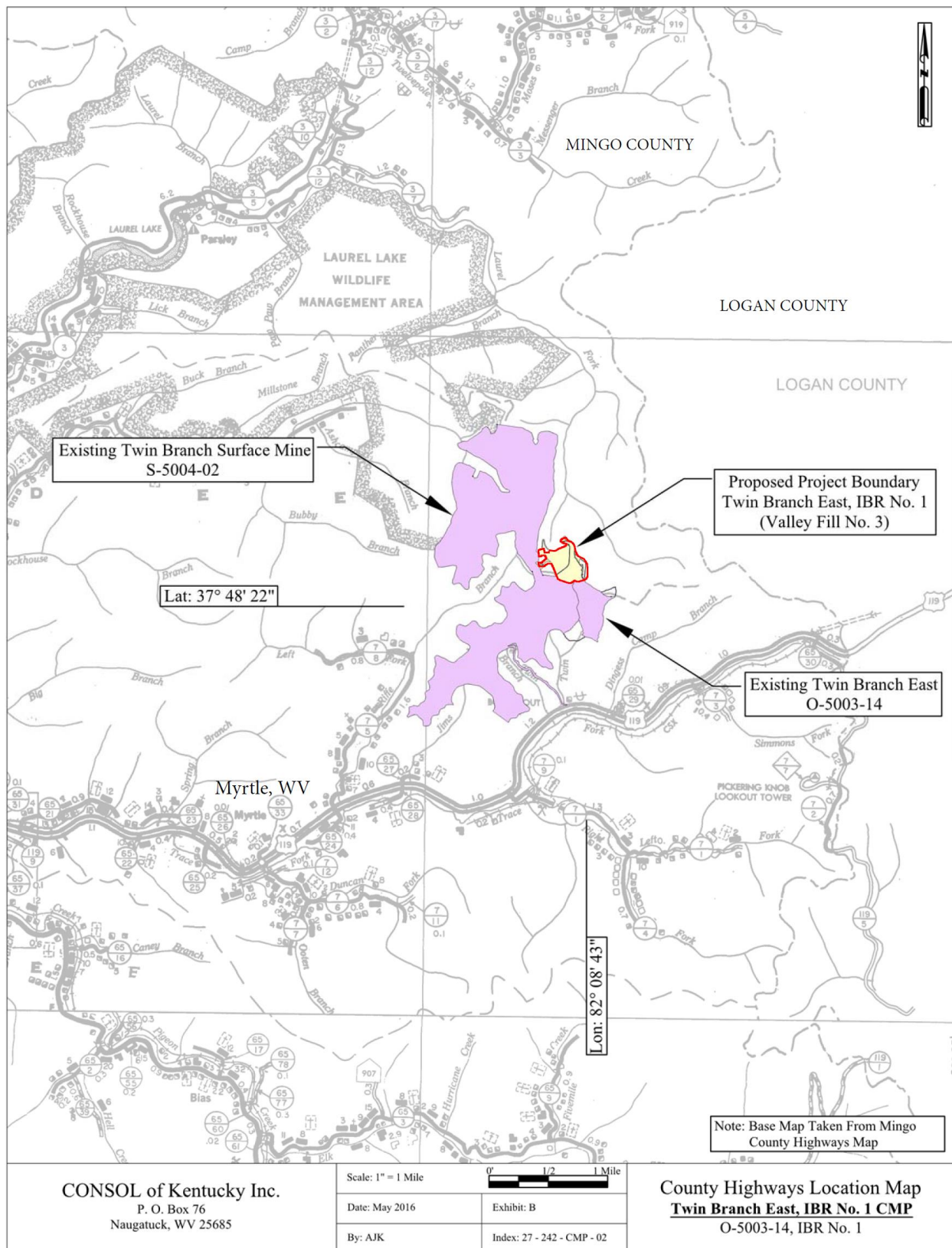


EXHIBIT B: GENERAL PROJECT AREA

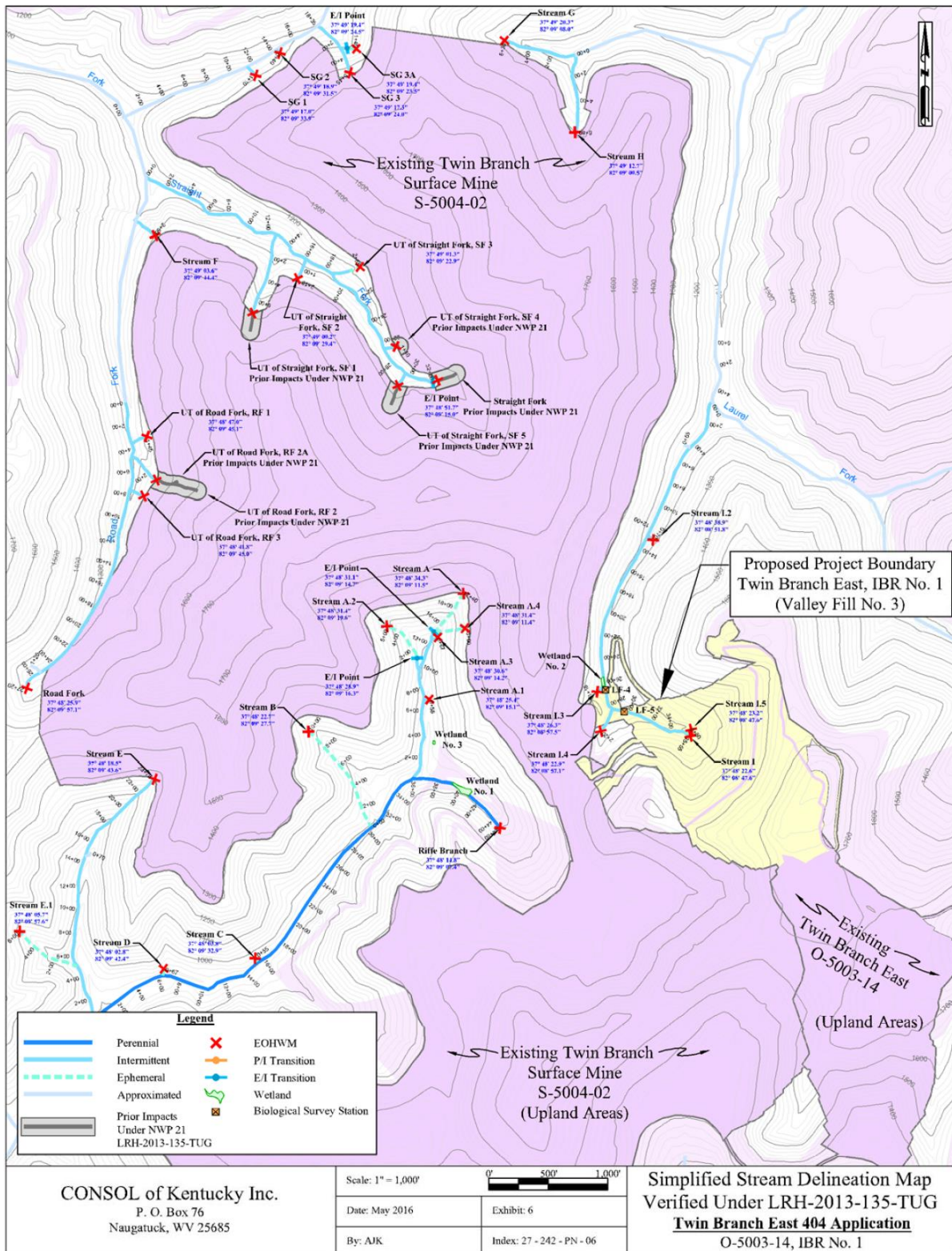


EXHIBIT C: Existing Twin Branch Surface Mine and Proposed Twin Branch East IBR-1 Area.

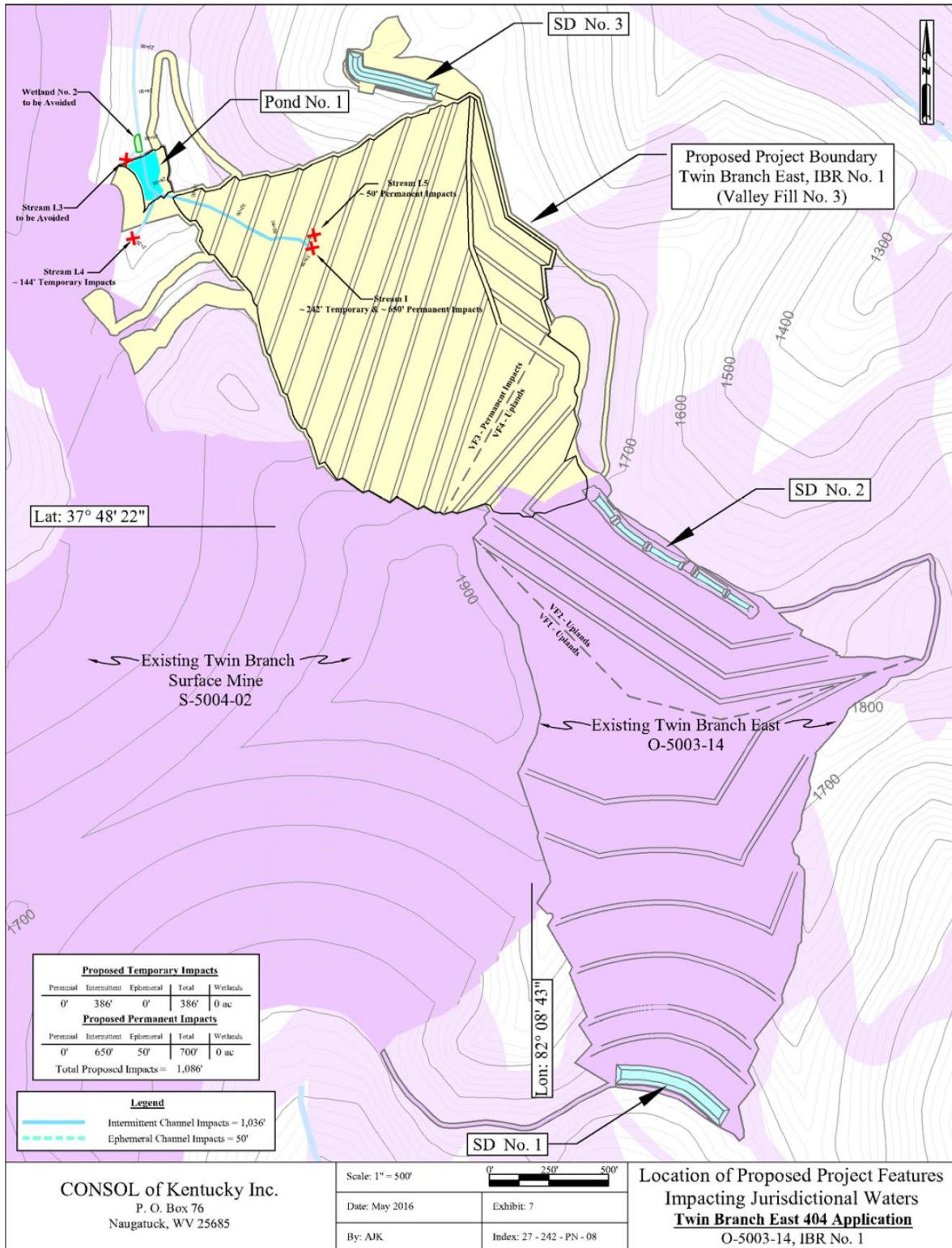


EXHIBIT D – Proposed Twin Branch East IBR-1 Overburden Storage Area and Stream Location.

Proposed Stream Impacts, Baseline and Predicted Conditions for Twin Branch East IBR-1 Area:

Stream Name	Proposed Structure	Stream Length	Baseline Conditions			Predicted Post-Restoration Conditions (Predicted at Year 10)		
			Habitat Score	WVSCI Score	Field Conduc. (µmhos/cm)	Habitat Score	WVSCI Score	Field Conduc (µmhos/cm)
Stream I (trib of Laurel Creek)	Valley Fill	650 ft Intermittent	152	65.8	499	Permanent Fill		
Stream I.5		50 ft Ephemeral	82	--	--			
Stream I (trib of Laurel Creek)	Pond 1	242 ft Intermittent	106	46.8	504	138	68	599
Stream I.4		144 ft Intermittent	106	46.8	504	138	68	599

Proposed Compensatory Mitigation for Twin Branch East IBR-1:

Mitigation Channel Name	Linear Feet	Predicted Flow Regime	Mitigation Type
Stream I of Laurel Fork (Temporary Impact)	242	Intermittent	On-Site Reestablishment, Post-Project
Stream I.4 of Laurel Fork (Temporary Impact)	144	Intermittent	
Stream I of Laurel Fork (Permanent Impact, 650')	-	N/A	Off-Site Purchase of Stream Mitigation Credits, Pre-Project
Stream I.5 of Laurel Fork (Permanent Impact 50')	-	N/A	
Total Proposed Stream Mitigation	386		

Impact Debits & Mitigation Credits (using the SWVM) for the Twin Branch East IBR-1:

Structure / Tributary to be Affected	Linear Feet	Stream Impact Unit Yield (Debit)	Linear Feet	Stream Mitigation Unit Yield (Credit)
Stream I Temporary	242	-238.1		
Stream I Permanent	650	-522.0		
Stream I.4 Temporary	144	-134.8		
Stream I.5 Permanent	50	-33.4		
Total Project Debits	1,086	-928.3		
Reestablishment				
Stream I Temporary	--	--	242	294.0
Stream I.4 Temporary	--	--	144	177.5
Total Mitigation Credits			386	471.5
Surplus or Deficit (-)	-456.8			
Acquisition of Stream Mitigation Bank Credits	456.8			
Net Debits less Credits	0.0			

EXHIBIT E –PROPOSED ADDITIONAL STREAM FILL IMPACTS (for the Twin Branch East IBR-1 Area) AND PROPOSED COMPENSATION