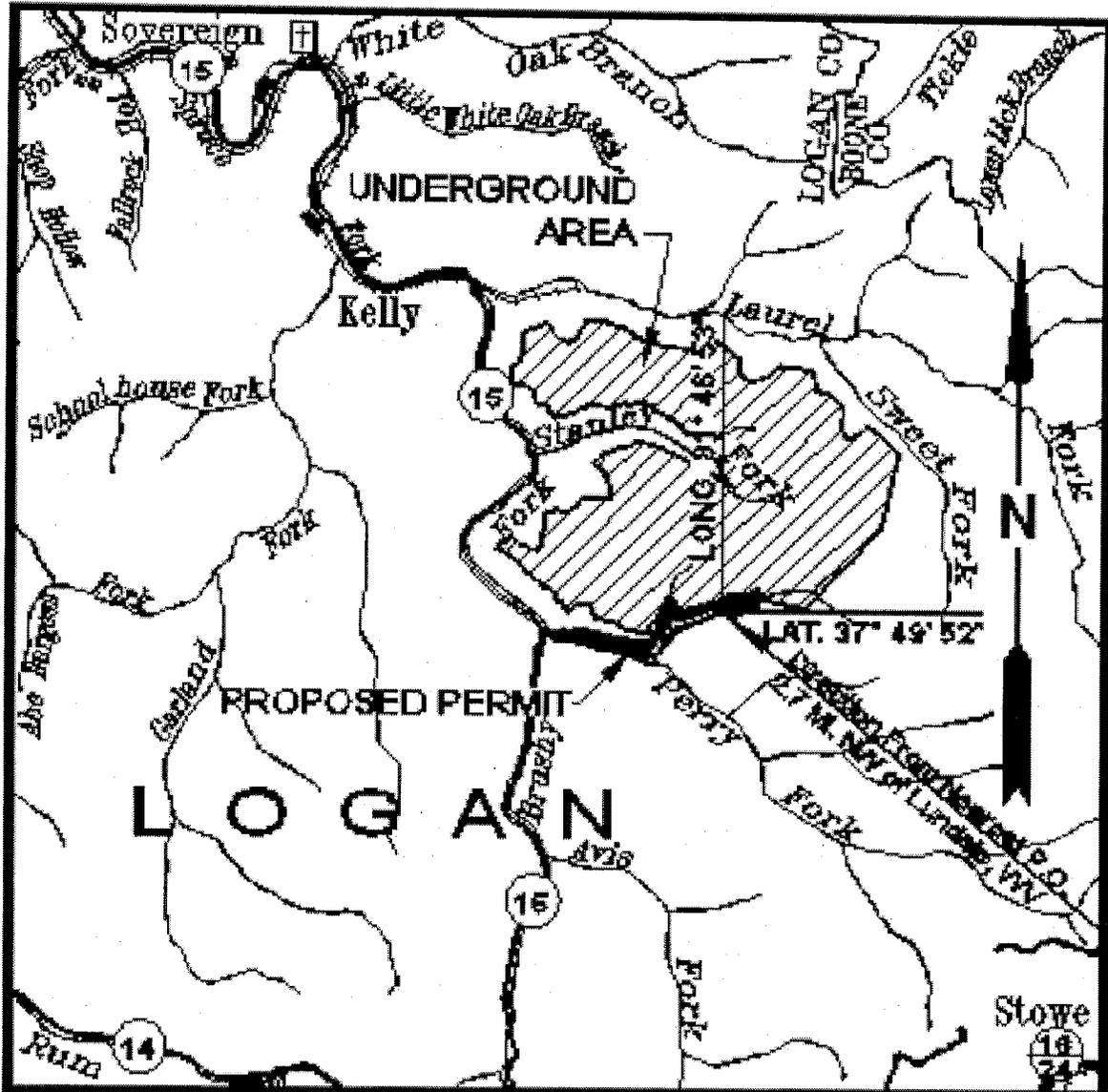


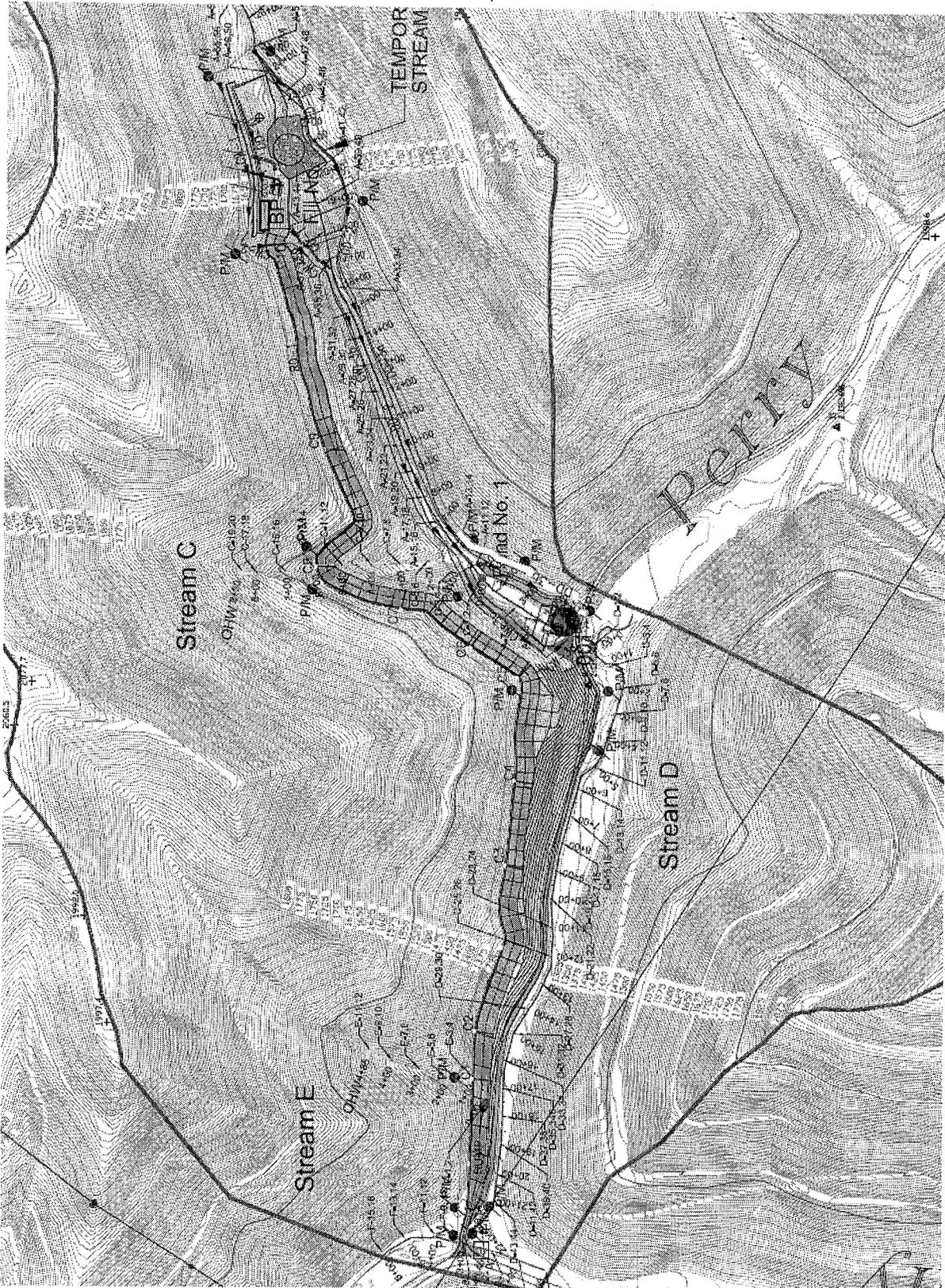
**The following document is not readable via Optical Character Recognition. For more information or if you require the document to be read aloud please call: 304-399-5353**



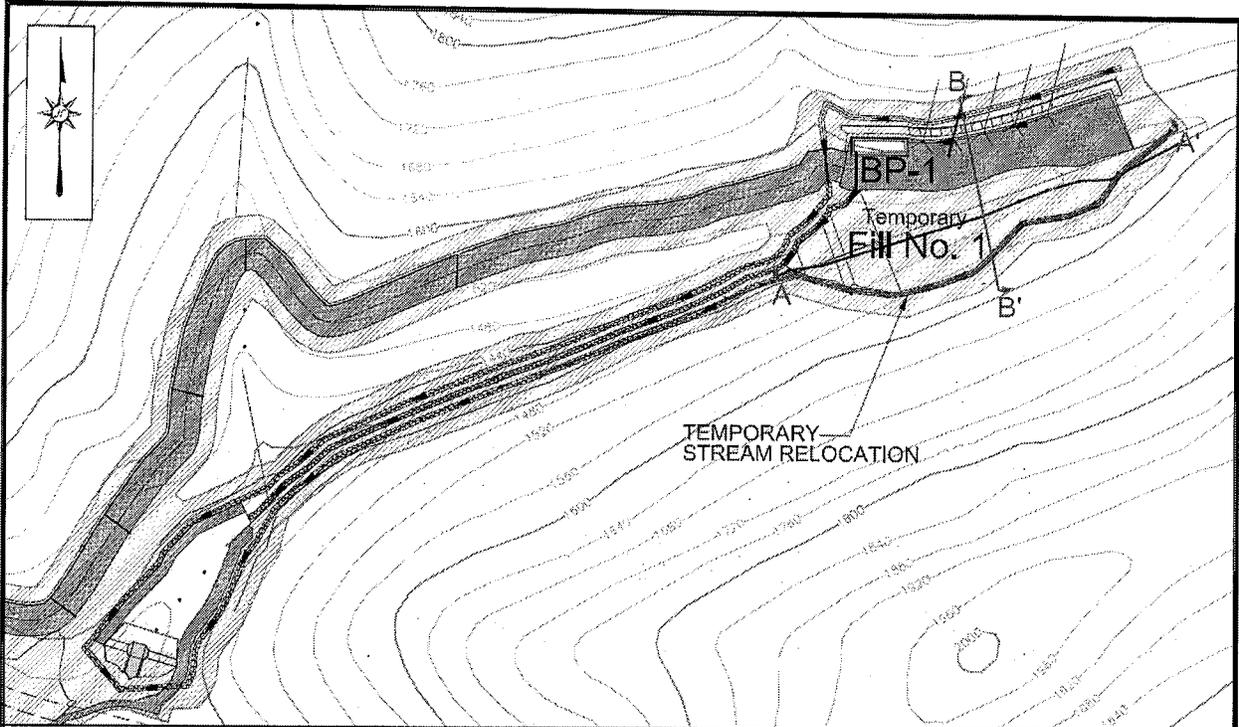
LOCATION MAP - Logan County, Logan District  
Receiving Streams: Unnamed tributary of unnamed tributary, and unnamed tributary of Perry Fork, Perry Fork of Brushy Fork and Brushy Fork, all of Spruce Fork of Pond Fork of the Little Coal River of the Coal River of the Kanawha River  
Major Sub-Basin: Ohio River  
Nearest Post Office: Lundale, WV  
Direction to Operation from Nearest Post Office: 2.7 Miles Northwest of Lundale, WV  
Scale: 1" = 1 Mile

Permit No.: U-5015-07

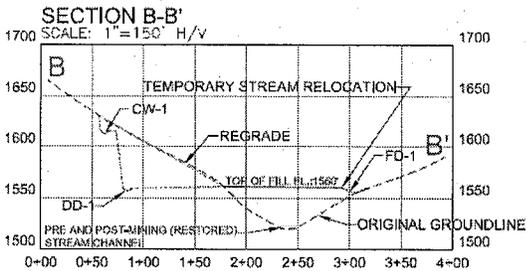
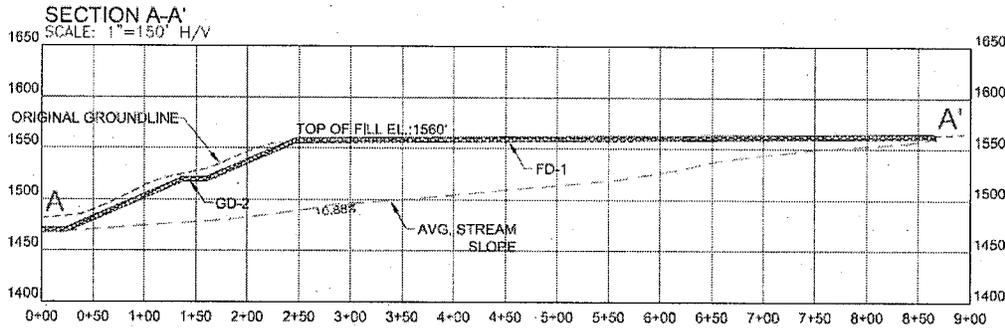
**EXHIBIT 1:**  
LOCATION MAP



**EXHIBIT 2:**  
**PROJECT SURFACE AREA**



PLAN VIEW  
SCALE: 1"=300'



LEGEND

- |  |                  |  |                          |
|--|------------------|--|--------------------------|
|  | DISTURBANCE AREA |  | POND                     |
|  | HAULROAD         |  | DEEP MINE FACEUP         |
|  | PERMIT BOUNDARY  |  | PROPOSED DIVERSION DITCH |

Prepared by:  
  
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COYOTE  
COAL COMPANY LLC  
STANLEY FORK DEEP MINE  
PERMIT NO. U-5015-07  
NPDES NO. WV1023187  
SITE-PLAN

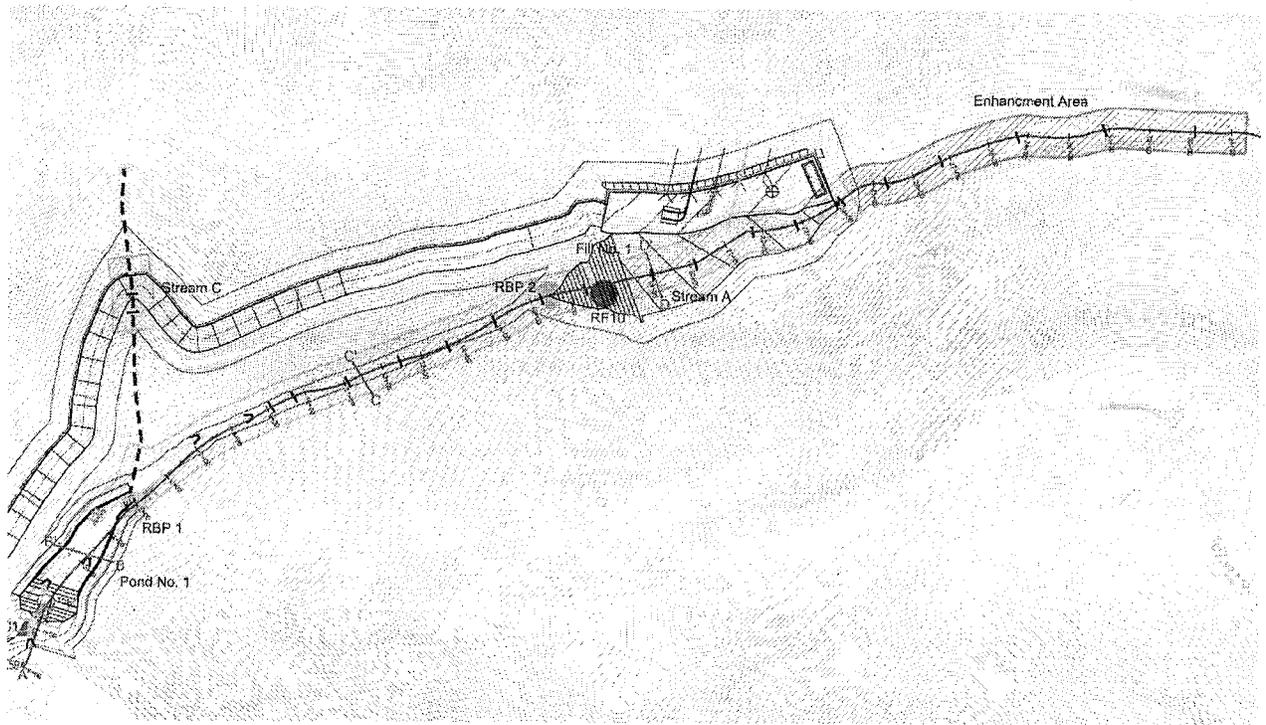
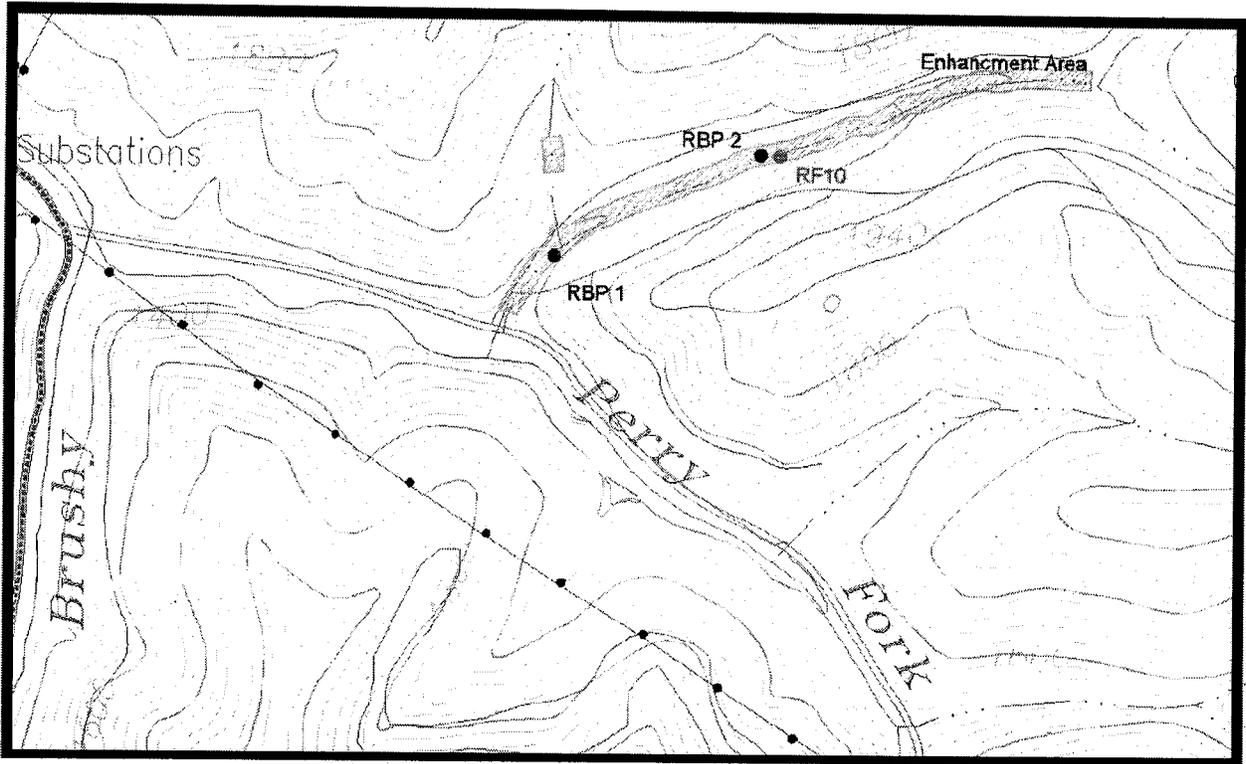
**EXHIBIT 3:**  
**CROSS SECTIONAL VIEWS**  
**OF PROPOSED STREAM FILLS**

Structure	Temporary Impacts					
	Primary Intermittent		Secondary Intermittent		Primary Ephemeral	
	(ft)	(acres)	(ft)	(acres)	(ft)	(acres)
Stream A (UNT of Perry Fork)	895	0.108	1426	0.249		
Stream C (UNT of Perry Fork)					341	0.023
Stream E (UNT of Perry Fork)					200	0.01
Stream F( Brushy Fork Main Stream)					0	
<b>Totals</b>	<b>895</b>	<b>0.108</b>	<b>1,426</b>	<b>0.249</b>	<b>541</b>	<b>0.033</b>

Name of Stream or Stream Section	Mining Activities	Temporary Impact			
		Intermittent		Ephemeral	
		Length	Acreage	Length	Acreage
Stream A (UNT of Perry Fork)	Pond Embankment	106	0.017	0	0
	Impoundment Area	285	0.031		
	Sediment Transport	1,141	0.218		
	Temporary Fill	789	0.091		
Stream C (UNT of Perry Fork)	Temporary Storage Area Construction	0	0	100	0.009
Stream C (UNT of Perry Fork)	Haulroad, Haulroad Fill, and Haulroad Embankment	0	0	241	0.014
Stream E (UNT of Perry Fork)	Haulroad, Haulroad Fill, and Haulroad Embankment	0	0	200	0.01
<b>Total Stream Impacts</b>		<b>2,321</b>	<b>0.372</b>	<b>541</b>	<b>0.033</b>

Site	Functional Capacity Index							
	Stream A, 1 (In Pond)		Stream A, 2 (In Fill)		Stream C		Stream E	
	Pre	Post	Pre	Post	Pre	Post	Pre	Post
1. Epifaunal Substrate	13	16	10	14				
2. Pool Substrate Characterization	12	14	12	15	12	12	12	8
3. Pool Variability	13	14	13	14				
4. Sediment Deposition	14	15	13	14	14	12	14	12
5. Channel Flow Status	14	15	8	16				
6. Channel Alteration	19	15	18	14	19	12	19	12
7. Channel Sinuosity	14	17	9	17	14	16	14	16
8. Bank Stability	16	17	12	14	16	17	16	15
9. Vegetative Protection	16	14	18	14	16	12	16	9
10. Riparian Vegetative Zone Width	16	12	18	15	16	12	16	14
<b>Total RBP Score</b>	<b>147</b>	<b>149</b>	<b>131</b>	<b>147</b>	<b>107</b>	<b>93</b>	<b>107</b>	<b>86</b>

**EXHIBIT 4:**  
**PROPOSED STREAM IMPACTS AND**  
**BASELINE HABITAT ASSESSMENTS**



**EXHIBIT 5:**  
**PROPOSED STREAM RESTORATION**  
**AND ENHANCEMENT AREAS**

Mitigation Component	Success Standard	Failure →	Action
<b><u>Photographs</u></b> Longitudinal and lateral photos	No substantial aggradation, degradation, and/or bank erosion visible; no evidence of structure failure	Substantial aggradation, degradation, and/or bank erosion	Remedial actions will entail planning and approval on a case-by-case and site specific basis
<b><u>Geomorphic</u></b> Cross-sections, pattern measurements, pebble counts, stream type	Minimal evidence of instability (such as down-cutting, deposition, bank erosion, or increased sedimentation); Stream classification and type as predicted, increase in D50 particle size	Substantial evidence of instability; Stream classification and type not as predicted in Plan, D50 particle size decreases	Remedial actions will entail planning and approval on a case-by-case and site specific basis
<b><u>Habitat</u></b> EPA's RBP Habitat evaluation scores, HGM's	Improve total RBP Habitat evaluation scores and EII scores, or HGM scores, as appropriate	Decrease in total RBP and/or EII scores and/or HGM scores	Remedial actions will entail planning and approval on a case-by-case and site specific basis
<b><u>Vegetation</u></b> Vegetation Cover by density, dominant species identification, EPA's RBP Habitat evaluation scores (Bank Vegetation Protection & Riparian Zone Width parameters)	80% survival rate (320 three-year-old trees per acre at end of year 3 and 260 five-year-old trees at end of year 5) of native West Virginia vegetation for Logan County and exhibit no more than 10 percent bare ground, and contain no more than 5 percent relative cover of any invasive species	Less than the prescribed amount of trees per acre; presence of invasive species	Areas of less trees per acre will be re-planted with live stakes and bare-rooted trees in order to achieve desired densities; invasive species will be manually removed
<b><u>Biotic</u></b> USEPA RBP (benthics)	Equivalent or higher metrics and values in comparison to reach prior to mitigation	Lower metrics and values in comparison to reach prior to mitigation	Area shall be further investigated for other potential problems that may impact biotic assessments

**EXHIBIT 6:**  
**Applicant's Proposed CMP**  
**Success Criteria/Standards**