Baseline Assessment – Stream Attributes

*During the initial field visit on 8/17/2021 data could not be collected due to limited access as the reach located outside of the existing perimeter controls. The stream flows downslope (north to south) adjacent to the Temporary access road, but no portion of the reach is within the established limits of disturbance. For this stream, professional judgment was used to assign proxy values based on comparable streams in proximity.

Reach S-QQ3 (Temporary Access Road) Ephemeral Spread G Giles County, Virginia

Data	Included				
Photos	\checkmark				
USM Form (Virginia Only)	\checkmark				
SWVM Form					
FCI Calculator and HGM Form					
RBP Physical Characteristics Form					
Water Quality Data					
RBP Habitat Form	Proxy Stream Information Utilized; Refer to Master Stream Summary Table				
RBP Benthic Form					
Benthic Identification Sheet					
Wolman Pebble Count					
RiverMorph Data Sheet					
Longitudinal Profile and Cross Sections					

Stream S-QQ3 (AR)



Photo Type: DS VIEW Location, Orientation, Photographer Initials: Downstream view of LOC looking SE, ES



Photo Type: US VIEW Location, Orientation, Photographer Initials: Upstream view of LOC looking NE, ES

Stream S-QQ3 (AR)



Photo Type: CL ACCESS 1 Location, Orientation, Photographer Initials: Standing in Access Road looking NE, ES

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				For us	e in ephemeral s	treams				luccu a sé		
Project #	Proj	Project Name		Locality	Cowardin Class.	HUC	Date	SAR #	Impact Length	Factor		
22865.06	Mountain Valley Pipeline (Mountain Valley Pipeline, LLC)			Giles County	R6	05050002	8/17/21	S-QQ3	15	1		
Nam	e(s) of Evaluator(s)	Stream Nam	e and Informa	ation				SAR Length			
ES/AW/KD/LM UNT to Sinking Creek								15				
RIPARIA	N BUFFERS: Asse	ss both bank	's 100 foot riparia	n areas along the	entire SAR. (rou	gh measurements	of length & width	n may be acceptab	ole)			
			Con	ditional Cate	gory				NOTES>>			
	Optimal		Subo	ptimal	Mar	ginal	P	oor				
Riparian Buffers	Tree stratum (dbh > 3 inn with > 60% tree canopy non-maintained underst areas.	ches) present, cover and an ory. Wetlands	High Suboptimal: Riparian areas with tree stratum (dbh > 3 inches) present, with 30% to 60% tree canopy cover and containing both herbaceous and shrub layers or a non-maintained understory.	Low Suboptimal: Riparian areas with tree stratum (dbh > 3 inches) present, with >30% tree canopy cover and a maintained understory. Recent cutover (dense vegetation).	High Marginal: Non-maintained, dense herbaceous vegetation with either a shrub layer of a tree layer (dbh > 3 inches) present, with <30% tree canopy cover.	Non-maintained, dense herbaceous vegetation, riparlan areas lacking shrub and tree stratum, hay production, ponds, open water. If present, tree stratum (dbh >3 inches) present, wth <30% tree canopy cover with maintained understory.	High Poor: Lawns, mowed, and maintained areas, nurseries; no-till cropland; actively grazed pasture, sparsely vegetated non- maintained area, recently seeded and stabilized, or other comparable condition.	Low Poor: Impervious surfaces, mine spoil lands, denuded surfaces, row crops, active feed lots, trails, or other comparable conditions.				
Condition			High	LOW	High	LOW	High	LOW	-			
Scores	1.5		1.2	1.1	0.85	0.75	0.6	0.5				
Delineate ripa Determine sq low. Enter the % f	arian areas along each juare footage for each t Riparian Area and Scor	stream bank by measuring e for each rip	into Condition Ca or estimating leng parian category in	tegories and Con gth and width. Ca the blocks below.	dition Scores usin alculators are prov	g the descriptors. ided for you	Ensure of % I Blocks e	the sums Riparian equal 100				
Right Bank	% Riparian Area>	80%	20%					100%				
	Score >	0.6	0.5									
	1								CI= (Sum % RA * Se	cores*0.01)/2		
Left Bank	% Riparian Area>	100%						100%	Rt Bank CI >	0.58		
	Score >	0.6							Lt Bank CI >	0.60		
	R	REACH C	ONDITION II	NDEX and S	TREAM CO	NDITION UN	ITS FOR TH	IS REACH				
OTE: The Cls and	RCI should be rounded to 2	decimal places.	The CR should be ro	unded to a whole nun	nber.			THE REACH (ONDITION IND	EX (RCI) >		
							μ		Cl= (Binarian Cl)	··· (····, · ·		
)/2		
							<u> </u>	COMPENSATI)/2 ENT (CR) >		

INSERT PHOTOS:

(WSSI Photo Location "L:\22000s\22800\22865.06\Admin\05-ENVR\Field Data\Spread G\Field Forms\S-QQ3\Photos\DS VIEW.JPG")



Looking downstream from within the LOD. Assessment is limited to areas within the temporary ROW.