Baseline Assessment – Stream Attributes

Revisit

*Additional field visits were attempted on 1/27/2022, however data could not be collected due to the stream location being outside the existing perimeter controls. For those streams, professional judgment was used to assign proxy values based on comparable streams in proximity.

Reach S-MM23 (Temporary Access Road) Perennial Spread I Franklin 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
RBP Benthic Form	Master Stream Summary Table
Benthic Identification Sheet	
Wolman Pebble Count	
RiverMorph Data Sheet	
Longitudinal Profile and Cross Sections	

Spread I Stream S-MM23 (Temp Access Road) Franklin County



Photo Type: Stream off of LOD Orientation, Photographer Initials: Looking NW upstream, RAH



Photo Type: Stream off of LOD Orientation, Photographer Initials: Looking NW upstream, RAH

DEQ Permit #21-0416

Spread I Stream S-MM23 (Temp Access Road) Franklin County



Photo Type: Stream off of LOD Orientation, Photographer Initials: Looking NW upstream, RAH



Photo Type: Stream off of LOD Orientation, Photographer Initials: Looking SW upstream, RAH

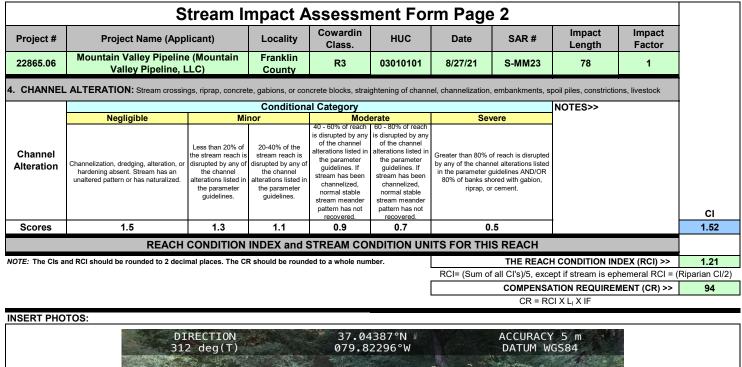
Spread I Stream S-MM23 (Temp Access Road) Franklin County



Photo Type: Stream off of LOD Orientation, Photographer Initials: Looking SW upstream, RAH

			Strear	n Ass	essm	ent Fo	orm (F	orm 1)		
				Unified S	tream Method	lology for use	in Virginia		•		
Project #	Proiec	t Name (App		Locality	Cowardin	HUC	Date	SAR #	Impact	Impact	
22865.06 Mountain		ain Valley Pipeline (Moun		Franklin	Class. R3	03010101	8/27/21	S-MM23	Length 78	Factor 1	
	Valley Pipeline, I Name(s) of Evaluator(s)		LC) County Stream Name and Informa						SAR Length	-	
RH, CL		Spread I; UNT to Maple Branch						78			
Channel C	condition: Asses	ss the cross-secti	on of the stream a	nd prevailing cond	tition (erosion, ago	aradation)					
				· •	Conditional Catego	ory					
Channel Condition	Optimal Very little incision or active erosion; 80- 100% stable banks. Vegetative surface protection or natural rock, prominent (80-100%). AND/OR Stable point bars / bankfull benches are present. Access to their original floodplain or fully developed wide bankfull benches. Mid- channel bars and transverse bars few. Transient sediment deposition covers less than 10% of bottom.		Suboptimal Suboptimal Sightly incised, few areas of active erosion or unprotected banks. Majority of banks are stable (60-80%). Vegetative protection or natural rock prominent (60-80%) AND/OR Depositional features contribute to stability. The bankfull and low flow channels are well defined. Stream likely has access to bankfull benches, or newly developed floodplains along portions of the reach. Transient sediment covers 10-40% of the stream bottom.		y transient, contribute instability. Deposition that contribute to stability, may be forming/present. AND/OR V-		further. Majority of both banks are near vertical. Erosion present on 60-80% of banks. Vegetative protection present		Streambed below average rooting depth, majority of banks vertical/undercut. Vegetative protection present on less fthan 20% of banks, is not preventing erosion. Obvious bank sloughing present. Erosion/raw banks on 80-100%. AND/OR Aggrading channel. Greater than 80% of stream bed is covered by deposition, contributing to instability.		C
Saaraa	3	2	2	.4		ability. 2		.6	1	1	CI
Scores	3)	2	.4	· · · · · ·	6		.0	1	1	2.20
. RIPARIAN	I BUFFERS: As		Con	ditional Cate	gory		-	,	NOTES>>		
Riparian	BUFFERS: As Opti	mal	Con Subo High Suboptimal: Riparian areas with tree stratum (dbh > 3 inches) present, with 30% to 60%	tow Suboptimal: Riparian areas with tree stratum (dbh > 3 inches) present, with 30% to 60%	gory	measurements of comparison of the second comparison of the second c	-	COOR Low Poor: Impervious surfaces, mine spoil lands,	NOTES>> Stream was the field; how buffer scc assigned ba professional	ever, riparian ores were sed on best	
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Reach R3-R4 File: C:\Users\dan.weidenhof\Documents\Documents\VA Stream Sampling\0 QAQC SUBMITTALS\QAQC working 1st submittal\Ready for Submittal\20211020 Submittal\Submitted 20211014\S-MM23_20211008SS_KEH\9. S-MM23_USM_20211008SS.xlsx





CAPTION. Assessment is limited to areas within the temporary ROW.

DESCRIBE PROPOSED IMPACT:

PROVIDED UNDER SEPARATE COVER

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