

Baseline Assessment – Stream Attributes

Reach S-A105 (Timber Mat Crossing) Ephemeral Spread B Harrison County, West Virginia

Data	Included
Photos	✓
SWVM Form	✓
FCI Calculator and HGM Form	N/A – Slope <4%
RBP Physical Characteristics Form	✓
Water Quality Data	N/A - No Flow
RBP Habitat Form	✓
RBP Benthic Form	✓
Benthic Identification Sheet	N/A - No Flow
Wolman Pebble Count	✓
Reference Reach Software Pebble Count Data	✓
Longitudinal Profile and Cross Sections	✓

Spread B Stream S-A105 (Timber Mat Crossing) Harrison County



Photo Type: DS, US View

Location, Orientation, Photographer Initials: Downstream Edge of ROW, Upstream View, DP, HK, VM
Lat: 39.168266 Long: -80.577815

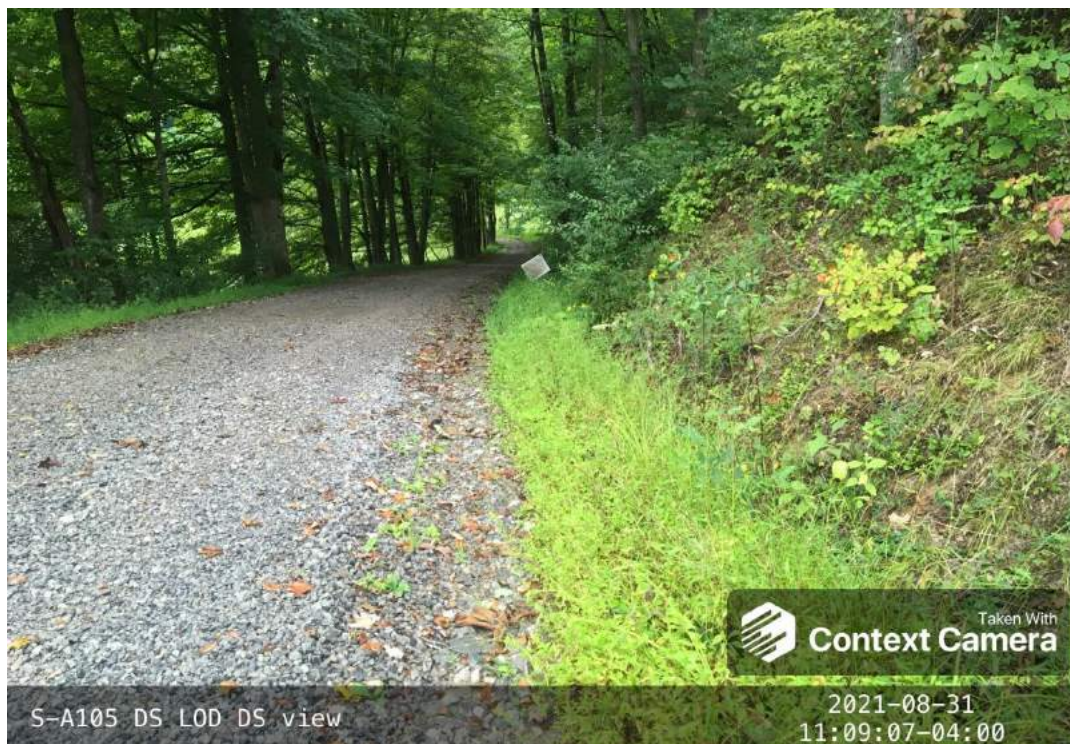


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Lat: 39.168266 Long: -80.577815

Spread B Stream S-A105 (Timber Mat Crossing) Harrison County



Photo Type: US View at Center
Location, Orientation, Photographer Initials: Center ROW, Upstream View, DP, HK, VM
Lat: 39.168266 Long: -80.577815

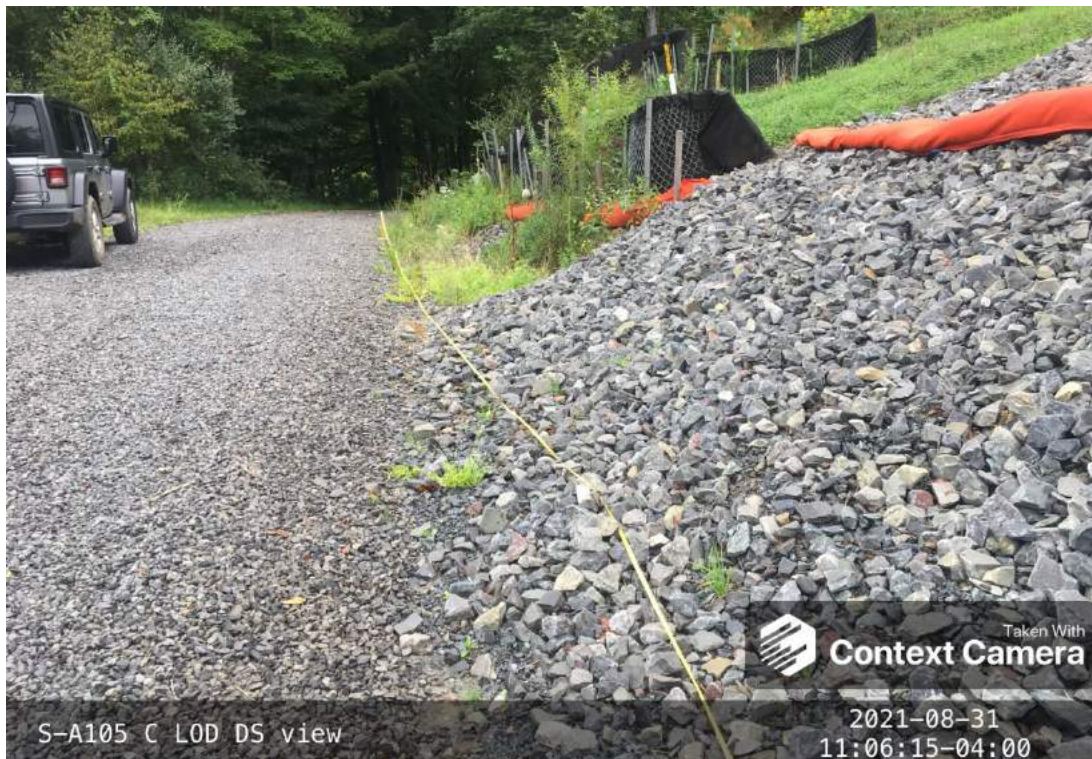


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USACE FILE NO./ Project Name: (v2.1, Sept 2015)		Mountain Valley Pipeline		IMPACT COORDINATES: (in Decimal Degrees)		Lat.	39.168266	Lon.	-80.577815	WEATHER:		Rain	DATE:		August 31, 2021		
IMPACT STREAM/SITE ID AND SITE DESCRIPTION: (watershed size (acres), unaltered or impairments)				S-A105		MITIGATION STREAM CLASS./SITE ID AND SITE DESCRIPTION: (watershed size (acres), unaltered or impairments)						Comments:					
STREAM IMPACT LENGTH:		20	FORM OF MITIGATION:		RESTORATION (Levels I-III)		MIT COORDINATES: (in Decimal Degrees)		Lat.		Lon.		PRECIPITATION PAST 48 HRS:		Mitigation Length:		
Column No. 1- Impact Existing Condition (Debit)			Column No. 2- Mitigation Existing Condition - Baseline (Credit)			Column No. 3- Mitigation Projected at Five Years Post Completion (Credit)			Column No. 4- Mitigation Projected at Ten Years Post Completion (Credit)			Column No. 5- Mitigation Projected at Maturity (Credit)					
Stream Classification:			Ephemeral			Stream Classification:			0			Stream Classification:			0		
Percent Stream Channel Slope			2.2			Percent Stream Channel Slope			0			Percent Stream Channel Slope			0		
HGM Score (attach data forms):						HGM Score (attach data forms):						HGM Score (attach data forms):					
Average						Average						Average					
Hydrology						Hydrology						Hydrology					
Biogeochemical Cycling						Biogeochemical Cycling						Biogeochemical Cycling					
Habitat						Habitat						Habitat					
PART I - Physical, Chemical and Biological Indicators						PART I - Physical, Chemical and Biological Indicators						PART I - Physical, Chemical and Biological Indicators					
Points Scale			Range			Points Scale			Range			Points Scale			Range		
Site Score						Site Score						Site Score					
PHYSICAL INDICATOR (Applies to all streams classifications)						PHYSICAL INDICATOR (Applies to all streams classifications)						PHYSICAL INDICATOR (Applies to all streams classifications)					
USEPA RBP (High Gradient Data Sheet)						USEPA RBP (High Gradient Data Sheet)						USEPA RBP (High Gradient Data Sheet)					
1. Epifaunal Substrate/Available Cover			0-20			1. Epifaunal Substrate/Available Cover			0-20			1. Epifaunal Substrate/Available Cover			0-20		
2. Embeddedness			0-20			2. Embeddedness			0-20			2. Embeddedness			0-20		
3. Velocity/ Depth Regime			0-20			3. Velocity/ Depth Regime			0-20			3. Velocity/ Depth Regime			0-20		
4. Sediment Deposition			0-20			4. Sediment Deposition			0-20			4. Sediment Deposition			0-20		
5. Channel Flow Status			0-20			5. Channel Flow Status			0-20			5. Channel Flow Status			0-20		
6. Channel Alteration			0-20			6. Channel Alteration			0-20			6. Channel Alteration			0-20		
7. Frequency of Riffles (or bends)			0-20			7. Frequency of Riffles (or bends)			0-20			7. Frequency of Riffles (or bends)			0-20		
8. Bank Stability (LB & RB)			0-20			8. Bank Stability (LB & RB)			0-20			8. Bank Stability (LB & RB)			0-20		
9. Vegetative Protection (LB & RB)			0-20			9. Vegetative Protection (LB & RB)			0-20			9. Vegetative Protection (LB & RB)			0-20		
10. Riparian Vegetative Zone Width (LB & RB)			0-20			10. Riparian Vegetative Zone Width (LB & RB)			0-20			10. Riparian Vegetative Zone Width (LB & RB)			0-20		
Total RBP Score			Poor			Total RBP Score			Poor			Total RBP Score			Poor		
Sub-Total			0.275			Sub-Total			0			Sub-Total			0		
CHEMICAL INDICATOR (Applies to Intermittent and Perennial Streams)						CHEMICAL INDICATOR (Applies to Intermittent and Perennial Streams)						CHEMICAL INDICATOR (Applies to Intermittent and Perennial Streams)					
WVDEP Water Quality Indicators (General)						WVDEP Water Quality Indicators (General)						WVDEP Water Quality Indicators (General)					
Specific Conductivity						Specific Conductivity						Specific Conductivity					
100-199 = 85 points			0-90			100-199 = 85 points			0-90			100-199 = 85 points			0-90		
pH						pH						pH					
5.6-5.9 = 45 points			0-60			5.6-5.9 = 45 points			0-60			5.6-5.9 = 45 points			0-60		
DO						DO						DO					
10-30			10-30			10-30			10-30			10-30			10-30		
Sub-Total						Sub-Total			0			Sub-Total			0		
BIOLOGICAL INDICATOR (Applies to Intermittent and Perennial Streams)						BIOLOGICAL INDICATOR (Applies to Intermittent and Perennial Streams)						BIOLOGICAL INDICATOR (Applies to Intermittent and Perennial Streams)					
WV Stream Condition Index (WVSCI)						WV Stream Condition Index (WVSCI)						WV Stream Condition Index (WVSCI)					
0			0-100			0			0-100			0			0-100		
Sub-Total			0			Sub-Total			0			Sub-Total			0		
PART II - Index and Unit Score						PART II - Index and Unit Score						PART II - Index and Unit Score					
Index			Linear Feet			Index			Linear Feet			Index			Linear Feet		
Unit Score						Unit Score						Unit Score					
0.538			20			0			0			0			0		

PHYSICAL CHARACTERIZATION/WATER QUALITY FIELD DATA SHEET (FRONT)

STREAM NAME _____	LOCATION _____	
STATION # _____ RIVERMILE _____	STREAM CLASS _____	
LAT _____ LONG _____	RIVER BASIN _____	
STORET # _____	AGENCY _____	
INVESTIGATORS _____		
FORM COMPLETED BY _____	DATE _____ TIME _____	REASON FOR SURVEY _____

WEATHER CONDITIONS	<table style="width: 100%;"> <tr> <td style="width: 33%;"> Now storm (heavy rain) _____ rain (steady rain) _____ showers (intermittent) _____ %cloud cover _____ clear/sunny _____ </td> <td style="width: 33%;"> Past 24 hours _____% </td> <td style="width: 33%;"> Has there been a heavy rain in the last 7 days? Yes No Air Temperature _____ °C Other _____ </td> </tr> </table>			Now storm (heavy rain) _____ rain (steady rain) _____ showers (intermittent) _____ %cloud cover _____ clear/sunny _____	Past 24 hours _____%	Has there been a heavy rain in the last 7 days? Yes No Air Temperature _____ °C Other _____
Now storm (heavy rain) _____ rain (steady rain) _____ showers (intermittent) _____ %cloud cover _____ clear/sunny _____	Past 24 hours _____%	Has there been a heavy rain in the last 7 days? Yes No Air Temperature _____ °C Other _____				
SITE LOCATION/MAP						
STREAM CHARACTERIZATION	<table style="width: 100%;"> <tr> <td style="width: 50%;"> Stream Subsystem Perennial Intermittent Tidal Stream Origin Glacial Non-glacial montane Swamp and bog </td> <td style="width: 50%;"> Stream Type Coldwater Warmwater Catchment Area _____ km² Spring-fed Mixture of origins Other _____ </td> </tr> </table>			Stream Subsystem Perennial Intermittent Tidal Stream Origin Glacial Non-glacial montane Swamp and bog	Stream Type Coldwater Warmwater Catchment Area _____ km ² Spring-fed Mixture of origins Other _____	
Stream Subsystem Perennial Intermittent Tidal Stream Origin Glacial Non-glacial montane Swamp and bog	Stream Type Coldwater Warmwater Catchment Area _____ km ² Spring-fed Mixture of origins Other _____					

PHYSICAL CHARACTERIZATION/WATER QUALITY FIELD DATA SHEET (BACK)

WATERSHED FEATURES	Predominant Surrounding Landuse Forest _____ Field/Pasture _____ Agricultural _____ Residential _____ Commercial _____ Industrial _____ Other _____	Local Watershed NPS Pollution No evidence <input type="checkbox"/> Some potential sources Obvious sources _____ Local Watershed Erosion None _____ Moderate _____ Heavy _____
RIPARIAN VEGETATION (18 meter buffer)	Indicate the dominant type and record the dominant species present Trees _____ Shrubs _____ Grasses _____ Herbaceous _____ Dominant species present _____	
INSTREAM FEATURES	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Estimated Reach Length _____ m Estimated Stream Width _____ m Sampling Reach Area _____ m² Area in km² (m²x1000) _____ km² Estimated Stream Depth _____ m Surface Velocity (at thalweg) _____ m/sec </div> <div style="width: 45%;"> Canopy Cover Partly open _____ Partly shaded _____ Shaded _____ High Water Mark _____ m Proportion of Reach Represented by Stream Morphology Types Riffle _____ % Run _____ % Pool _____ % Channelized Yes _____ No _____ Dam Present Yes _____ No _____ </div> </div>	
LARGE WOODY DEBRIS	LWD _____ m ² Density of LWD _____ m ² /km ² (LWD/ reach area)	
AQUATIC VEGETATION	Indicate the dominant type and record the dominant species present Rooted emergent _____ Rooted submergent _____ Rooted floating _____ Free floating _____ Floating Algae _____ Attached Algae _____ Dominant species present _____ Portion of the reach with aquatic vegetation _____ %	
WATER QUALITY (DS, US)	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Temperature _____ °C Specific Conductance _____ Dissolved Oxygen _____ pH _____ Turbidity _____ WQ Instrument Used _____ </div> <div style="width: 45%;"> Water Odors Normal/None _____ Sewage _____ Petroleum _____ Chemical _____ Fishy _____ Other _____ Water Surface Oils Slick _____ Sheen _____ Globs _____ Flecks _____ None _____ Other _____ Turbidity (if not measured) Clear <input type="checkbox"/> Slightly turbid _____ Turbid _____ Opaque _____ Stained _____ Other _____ </div> </div>	
SEDIMENT/SUBSTRATE	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Odors Normal _____ Sewage _____ Petroleum _____ Chemical _____ Anaerobic _____ None _____ Other _____ </div> <div style="width: 45%;"> Deposits Sludge _____ Sawdust _____ Paper fiber _____ Sand _____ Relict shells _____ Other _____ </div> </div> Looking at stones which are not deeply embedded, are the undersides black in color? Oils Absent _____ Slight _____ Moderate _____ Profuse _____ Yes _____ No _____	

INORGANIC SUBSTRATE COMPONENTS (should add up to 100%)			ORGANIC SUBSTRATE COMPONENTS (does not necessarily add up to 100%)		
Substrate Type	Diameter	% Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area
Bedrock			Detritus	sticks, wood, coarse plant materials (CPOM)	
Boulder	> 256 mm (10")				
Cobble	64-256 mm (2.5"-10")		Muck-Mud	black, very fine organic (FPOM)	
Gravel	2-64 mm (0.1"-2.5")				
Sand	0.06-2mm (gritty)		Marl	grey, shell fragments	
Silt	0.004-0.06 mm				
Clay	< 0.004 mm (slick)				

HABITAT ASSESSMENT FIELD DATA SHEET - HG - USE ON ALL STREAMS (FRONT)

STREAM NAME		LOCATION	
STATION # _____ RIVERMILE _____		STREAM CLASS	
LAT _____ LONG _____		RIVER BASIN	
STORET #		AGENCY	
INVESTIGATORS			
FORM COMPLETED BY		DATE _____ TIME _____ AM PM	REASON FOR SURVEY

Parameters to be evaluated in sampling reach	Habitat Parameter	Condition Category			
		Optimal	Suboptimal	Marginal	Poor
	1. Epifaunal Substrate/ Available Cover	Greater than 70% of substrate favorable for epifaunal colonization and fish cover; mix of snags, submerged logs, undercut banks, cobble or other stable habitat and at stage to allow full colonization potential (i.e., logs/snags that are <u>not</u> new fall and <u>not</u> transient).	40-70% mix of stable habitat; well-suited for full colonization potential; adequate habitat for maintenance of populations; presence of additional substrate in the form of newfall, but not yet prepared for colonization (may rate at high end of scale).	20-40% mix of stable habitat; habitat availability less than desirable; substrate frequently disturbed or removed.	Less than 20% stable habitat; lack of habitat is obvious; substrate unstable or lacking.
	SCORE	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0
	2. Embeddedness	Gravel, cobble, and boulder particles are 0-25% surrounded by fine sediment. Layering of cobble provides diversity of niche space.	Gravel, cobble, and boulder particles are 25-50% surrounded by fine sediment.	Gravel, cobble, and boulder particles are 50-75% surrounded by fine sediment.	Gravel, cobble, and boulder particles are more than 75% surrounded by fine sediment.
	SCORE	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0
	3. Velocity/Depth Regime	All four velocity/depth regimes present (slow-deep, slow-shallow, fast-deep, fast-shallow). (Slow is < 0.3 m/s, deep is > 0.5 m.)	Only 3 of the 4 regimes present (if fast-shallow is missing, score lower than if missing other regimes).	Only 2 of the 4 habitat regimes present (if fast-shallow or slow-shallow are missing, score low).	Dominated by 1 velocity/depth regime (usually slow-deep).
	SCORE	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0
	4. Sediment Deposition	Little or no enlargement of islands or point bars and less than 5% of the bottom affected by sediment deposition.	Some new increase in bar formation, mostly from gravel, sand or fine sediment; 5-30% of the bottom affected; slight deposition in pools.	Moderate deposition of new gravel, sand or fine sediment on old and new bars; 30-50% of the bottom affected; sediment deposits at obstructions, constrictions, and bends; moderate deposition of pools prevalent.	Heavy deposits of fine material, increased bar development; more than 50% of the bottom changing frequently; pools almost absent due to substantial sediment deposition.
	SCORE	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0
	5. Channel Flow Status	Water reaches base of both lower banks, and minimal amount of channel substrate is exposed.	Water fills >75% of the available channel; or <25% of channel substrate is exposed.	Water fills 25-75% of the available channel, and/or riffle substrates are mostly exposed.	Very little water in channel and mostly present as standing pools.
	SCORE	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0

HABITAT ASSESSMENT FIELD DATA SHEET—HIGH GRADIENT STREAMS (BACK)

Habitat Parameter	Condition Category																				
	Optimal					Suboptimal					Marginal					Poor					
6. Channel Alteration	Channelization or dredging absent or minimal; stream with normal pattern.					Some channelization present, usually in areas of bridge abutments; evidence of past channelization, i.e., dredging, (greater than past 20 yr) may be present, but recent channelization is not present.					Channelization may be extensive; embankments or shoring structures present on both banks; and 40 to 80% of stream reach channelized and disrupted.					Banks shored with gabion or cement; over 80% of the stream reach channelized and disrupted. Instream habitat greatly altered or removed entirely.					
SCORE	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
7. Frequency of Riffles (or bends)	Occurrence of riffles relatively frequent; ratio of distance between riffles divided by width of the stream <7:1 (generally 5 to 7); variety of habitat is key. In streams where riffles are continuous, placement of boulders or other large, natural obstruction is important.					Occurrence of riffles infrequent; distance between riffles divided by the width of the stream is between 7 to 15.					Occasional riffle or bend; bottom contours provide some habitat; distance between riffles divided by the width of the stream is between 15 to 25.					Generally all flat water or shallow riffles; poor habitat; distance between riffles divided by the width of the stream is a ratio of >25.					
SCORE	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
8. Bank Stability (score each bank)	Banks stable; evidence of erosion or bank failure absent or minimal; little potential for future problems. <5% of bank affected.					Moderately stable; infrequent, small areas of erosion mostly healed over. 5-30% of bank in reach has areas of erosion.					Moderately unstable; 30-60% of bank in reach has areas of erosion; high erosion potential during floods.					Unstable; many eroded areas; "raw" areas frequent along straight sections and bends; obvious bank sloughing; 60-100% of bank has erosional scars.					
Note: determine left or right side by facing downstream.																					
SCORE ____ (LB)	Left Bank	10		9		8	7		6		5	4		3		2	1		0		
SCORE ____ (RB)	Right Bank	10		9		8	7		6		5	4		3		2	1		0		
9. Vegetative Protection (score each bank)	More than 90% of the streambank surfaces and immediate riparian zone covered by native vegetation, including trees, understory shrubs, or nonwoody macrophytes; vegetative disruption through grazing or mowing minimal or not evident; almost all plants allowed to grow naturally.					70-90% of the streambank surfaces covered by native vegetation, but one class of plants is not well-represented; disruption evident but not affecting full plant growth potential to any great extent; more than one-half of the potential plant stubble height remaining.					50-70% of the streambank surfaces covered by vegetation; disruption obvious; patches of bare soil or closely cropped vegetation common; less than one-half of the potential plant stubble height remaining.					Less than 50% of the streambank surfaces covered by vegetation; disruption of streambank vegetation is very high; vegetation has been removed to 5 centimeters or less in average stubble height.					
SCORE ____ (LB)	Left Bank	10		9		8	7		6		5	4		3		2	1		0		
SCORE ____ (RB)	Right Bank	10		9		8	7		6		5	4		3		2	1		0		
10. Riparian Vegetative Zone Width (score each bank riparian zone)	Width of riparian zone >18 meters; human activities (i.e., parking lots, roadbeds, clear-cuts, lawns, or crops) have not impacted zone.					Width of riparian zone 12-18 meters; human activities have impacted zone only minimally.					Width of riparian zone 6-12 meters; human activities have impacted zone a great deal.					Width of riparian zone <6 meters; little or no riparian vegetation due to human activities.					
SCORE ____ (LB)	Left Bank	10		9		8	7		6		5	4		3		2	1		0		
SCORE ____ (RB)	Right Bank	10		9		8	7		6		5	4		3		2	1		0		

Total Score _____

BENTHIC MACROINVERTEBRATE FIELD DATA SHEET

STREAM NAME _____	LOCATION _____	
STATION # _____ RIVERMILE _____	STREAM CLASS _____	
LAT _____ LONG _____	RIVER BASIN _____	
STORET # _____	AGENCY _____	
INVESTIGATORS _____		LOT NUMBER _____
FORM COMPLETED BY _____	DATE _____ TIME _____	REASON FOR SURVEY _____

HABITAT TYPES	Indicate the percentage of each habitat type present Cobble _____% Snags _____% Vegetated Banks _____% Sand _____% Submerged Macrophytes _____% Other (_____) _____%
SAMPLE COLLECTION	Gear used D-frame kick-net Other _____ How were the samples collected? wading from bank from boat Indicate the number of jabs/kicks taken in each habitat type. Cobble _____ Snags _____ Vegetated Banks _____ Sand _____ Submerged Macrophytes _____ Other (_____) _____
GENERAL COMMENTS	

QUALITATIVE LISTING OF AQUATIC BIOTA

Indicate estimated abundance: 0 = Absent/Not Observed, 1 = Rare, 2 = Common, 3= Abundant, 4 = Dominant

Periphyton	0	1	2	3	4	Slimes	0	1	2	3	4
Filamentous Algae	0	1	2	3	4	Macroinvertebrates	0	1	2	3	4
Macrophytes	0	1	2	3	4	Fish	0	1	2	3	4

FIELD OBSERVATIONS OF MACROBENTHOS

Indicate estimated abundance: 0 = Absent/Not Observed, 1 = Rare (1-3 organisms), 2 = Common (3-9 organisms), 3= Abundant (>10 organisms), 4 = Dominant (>50 organisms)

Porifera	0	1	2	3	4	Anisoptera	0	1	2	3	4	Chironomidae	0	1	2	3	4
Hydrozoa	0	1	2	3	4	Zygoptera	0	1	2	3	4	Ephemeroptera	0	1	2	3	4
Platyhelminthes	0	1	2	3	4	Hemiptera	0	1	2	3	4	Trichoptera	0	1	2	3	4
Turbellaria	0	1	2	3	4	Coleoptera	0	1	2	3	4	Other	0	1	2	3	4
Hirudinea	0	1	2	3	4	Lepidoptera	0	1	2	3	4						
Oligochaeta	0	1	2	3	4	Sialidae	0	1	2	3	4						
Isopoda	0	1	2	3	4	Corydalidae	0	1	2	3	4						
Amphipoda	0	1	2	3	4	Tipulidae	0	1	2	3	4						
Decapoda	0	1	2	3	4	Empididae	0	1	2	3	4						
Gastropoda	0	1	2	3	4	Simuliidae	0	1	2	3	4						
Bivalvia	0	1	2	3	4	Tabinidae	0	1	2	3	4						
						Culcidae	0	1	2	3	4						

WOLMAN PEBBLE COUNT FORM

County: Harrison

Stream ID: S-A105

Stream Name: UNT to Kincheloe Creek

HUC Code: 05020002

Basin: West Fork

Survey Date: 9/15/2021

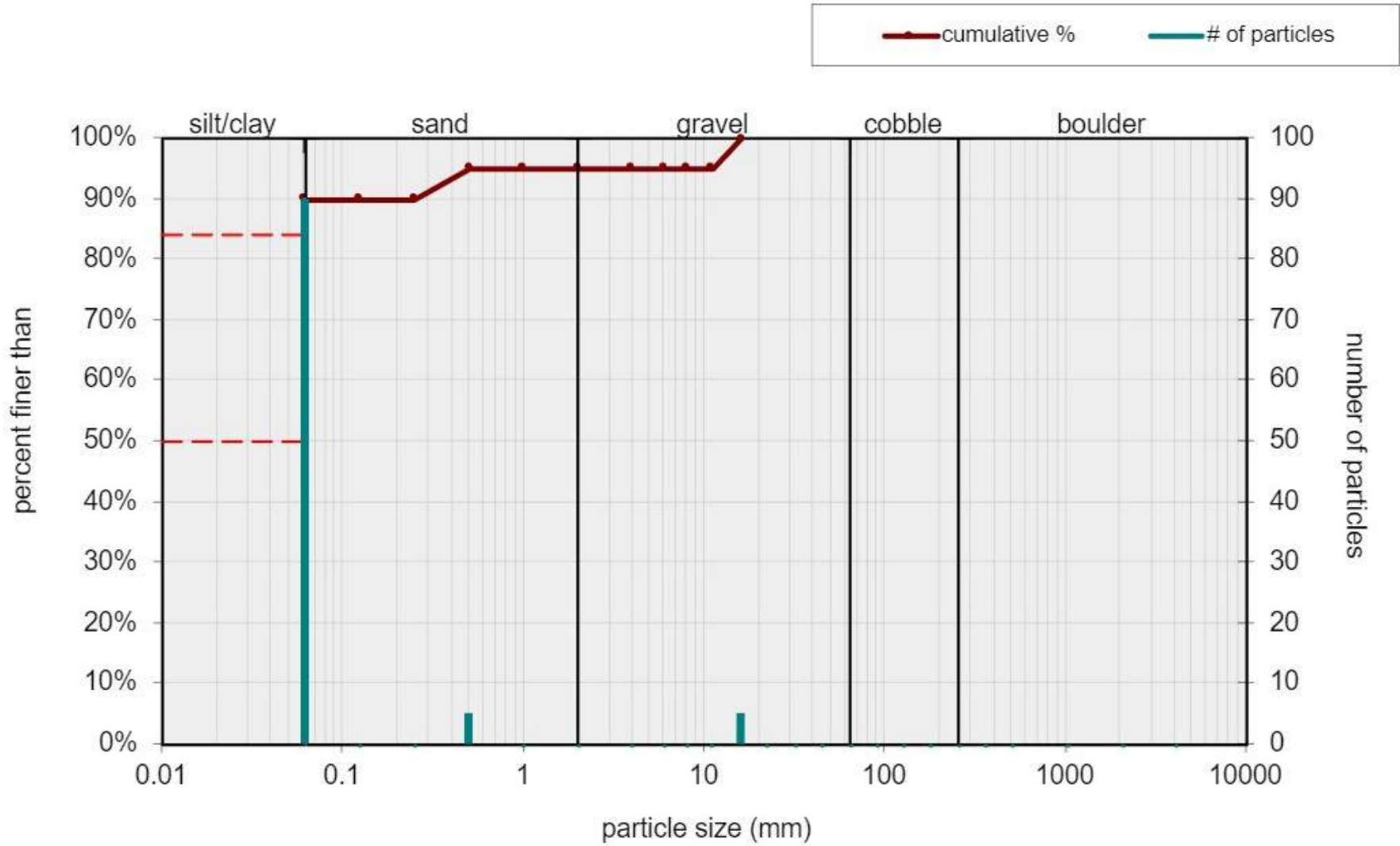
Impact: 43.6 m

Surveyors: DP, VM, HK

Type: Bankfull Channel

PEBBLE COUNT								
Inches	PARTICLE	Millimeters		Particle Count	Total #	Item %	% Cum	
	Silt/Clay	< .062	S/C	▲▼	90	90.00	90.00	
	Very Fine	.062-.125	S A N D	▲▼	0	0.00	90.00	
	Fine	.125-.25		▲▼	0	0.00	90.00	
	Medium	.25-.5		▲▼	5	5.00	95.00	
	Coarse	.50-1.0		▲▼	0	0.00	95.00	
.04-.08	Very Coarse	1.0-2		▲▼	0	0.00	95.00	
.08 -.16	Very Fine	2 -4		G R A V E L	▲▼	0	0.00	95.00
.16 - .22	Fine	4 -5.7	▲▼		0	0.00	95.00	
.22 - .31	Fine	5.7 - 8	▲▼		0	0.00	95.00	
.31 - .44	Medium	8 -11.3	▲▼		0	0.00	95.00	
.44 - .63	Medium	11.3 - 16	▲▼		5	5.00	100.00	
.63 - .89	Coarse	16 -22.6	▲▼		0	0.00	100.00	
.89 - 1.26	Coarse	22.6 - 32	▲▼		0	0.00	100.00	
1.26 - 1.77	Vry Coarse	32 - 45	▲▼		0	0.00	100.00	
1.77 -2.5	Vry Coarse	45 - 64	▲▼		0	0.00	100.00	
2.5 - 3.5	Small	64 - 90	C O B B L E		▲▼	0	0.00	100.00
3.5 - 5.0	Small	90 - 128			▲▼	0	0.00	100.00
5.0 - 7.1	Large	128 - 180			▲▼	0	0.00	100.00
7.1 - 10.1	Large	180 - 256		▲▼	0	0.00	100.00	
10.1 - 14.3	Small	256 - 362	B O U L D E R	▲▼	0	0.00	100.00	
14.3 - 20	Small	362 - 512		▲▼	0	0.00	100.00	
20 - 40	Medium	512 - 1024		▲▼	0	0.00	100.00	
40 - 80	Large	1024 -2048		▲▼	0	0.00	100.00	
80 - 160	Vry Large	2048 -4096		▲▼	0	0.00	100.00	
	Bedrock		BDRK	▲▼	0	0.00	100.00	
				Totals:	100			
	Total Tally:							

Bankfull Channel Pebble Count, S-A105, UNT to Kincheloe Creek



Size (mm)	
D16	0.062
D35	0.062
D50	0.062
D65	0.062
D84	0.062
D95	1

Size Distribution	
mean	0.1
dispersion	1.0
skewness	---

Type	
silt/clay	90%
sand	5%
gravel	5%
cobble	0%
boulder	0%

