

# STREAM BIOLOGICAL CONDITIONS ENVIRONMENTAL AUDITOR REPORT

Version 2.3



<b>Stream ID:</b> S-II2	<b>Crossing Start Date:</b> 07/15/2025	<b>Crossing Completion Date:</b> 07/22/2025
<b>Milepost:</b> 263.4	<b>Pre-Con Assessment Date:</b> 07/15/2025	<b>Post-Con Assessment Date:</b> 07/22/2025
<b>Station:</b> 13915+82	<b>Stream Classification:</b> Perennial (Perennial, Intermittent, Ephemeral)	<b>Bankfull Width (ft.):</b> 60
<b>County:</b> Franklin	<b>303(d) Impairment Listing:</b> Impaired	<b>Riffle:Pool Complexes Present?</b> No

Item #	Resource Crossing Conditions	N/A	YES	NO
1.	Were all applicable resource specific crossing conditions satisfied? Time of Year Restrictions (TOYR)? <u>N/A</u> Fish Relocation? <u>Yes</u> Mussel Relocation? <u>N/A</u>		X	
2.	Is this resource designated a wild or stockable trout stream?	X		
3.	Which crossing methods were utilized during the stream crossing? <i>(Select one or more)</i> Dam & Pump, Flume, Cofferdam, Conventional Bore, Horizontal Directional Drill (HDD) Bore?	Cofferdam		
4.	Was the top 1-foot (12-inches) of streambed substrate segregated and stockpiled separate from trench spoils?		X	
5.	Was excess material not needed for backfill removed and disposed of in an upland area?		X	
6.	Was the top 12-inches of backfill made with clean native stream substrate?		X	
7.	Was the pre-construction survey data provided and utilized during restoration in attempt to re-establish pre-construction contours?		X	
8.	Were any field modifications to the stream implemented by project or regulatory personnel to address potential drainage or bank restoration limitations?		X	
9.	Were impervious trench breakers/plugs properly installed within 25-feet of top-of-bank to prevent subsurface erosion to or from the resource area?	X		
10.	Was permanent seed and stabilization material (straw or matting) applied to riparian areas and stream banks prior to re-establishing flow to the impact area of the channel?		X	
11.	Was the time of disturbance minimized by conducting resource work continuously to completion?		X	
12.	Have civil surveys been scheduled to verify as-built conditions meet pre-construction conditions in accordance with the project Mitigation Framework and federal/state permit requirements?		X	
13.	Are bareroot saplings required and/or scheduled to be planted for the dormant season (10/1 – 4/30)?	X		
14.	Did any unauthorized discharges to unpermitted resources occur during the crossing? If so, explain the corrective actions implemented in the Comments section and include additional photos.			X

Item #	Biological Conditions	Pre-Con	Post-Con
15.	<b>Predominant Substrate Type (select one):</b> <i>Bedrock, Boulder (&gt;10"), Cobble (2-10"), Gravel (0.1-2"), Sand (&lt;0.1"), Mud/Silt/Clay</i>	Bedrock	Bedrock
16.	<b>Channel Conditions:</b> <b>Rating:</b> 1-Optimal (80-100% stable banks), 2-Suboptimal (60-80% stable banks), 3-Marginal (40-60% stable banks), 4-Poor (20-40% stable banks), 5-Severe (0-20% stable banks, highly eroded or unvegetated banks)	2 - Suboptimal	1 - Optimal
17.	<b>Riparian Buffer Zone within ROW and ≤50 ft. from Stream Top-of-Bank:</b> <b>Rating:</b> 1-Optimal (60-100% heavy vegetative cover), 2-Suboptimal (30-60% mixed vegetated coverage), 3-Marginal (<30% vegetative coverage), 4-Poor (Mowed/maintained area or farmland, impervious area, sparsely vegetated coverage, etc.)	1 - Optimal	2 - Suboptimal
18.	<b>Instream Habitat Conditions:</b> <b>Examples:</b> Varied substrate sizes, varied combination of water velocities/depths, presence of woody/leafy debris, stable substrate with low amount of mobile particles, low embeddedness, shade protection, undercut banks, root mats, submerged aquatic vegetation. <b>Rating:</b> 1-Optimal (Habitat conditions present in >50% of resource), 2-Suboptimal (Habitat conditions in 30-50% of resource), 3-Marginal (Habitat conditions in 10-30% of resource), 4-Poor (Habitat conditions in 0-10% of resource)	1 - Optimal	1 - Optimal
19.	<b>Channel Alterations:</b> <b>Examples:</b> Straightened channel, non-MVP stream crossings, non-native riprap/rock along banks, concrete/gabions/concrete block, manmade embankments, constrictions w/in channel, livestock or agricultural impacts. <b>Rating:</b> 1-Negligible (unaltered/natural stream), 2-Minor (20-40% of resource disrupted by channel alterations), 3-Moderate (40-80% of resource disrupted), 4-Severe (>80% of resource disrupted)	1 - Negligible	2 - Minor

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## Comments/Remarks

\*Please note that this is a bank repair report. The original pipe crossing report was submitted in November 2023.

07/15/2025: Access road was established to the resource prior to initiation of resource work. MVP EI is Laura C. Work plan was discussed. Per landowner request, the right bank has receded over the years and is to be restored back to the approximate pre-construction grade conditions. The right bank has eroded and a small side channel adjacent to the main channel of S-II2 formed within the project's permitted area. This side channel within the right-of-way is to be backfilled with soil and a stable right bank re-established and stabilized with Class III riprap. Pre-construction assessment was completed and photos collected. Precision crews installed cofferdams on the upstream and downstream sides of the side channel to isolate the workspace. Edge (contractor) was on-site and completed a fish relocation from within the isolated workspace. Fish and other aquatic species were collected and relocated from the workspace safely into the adjacent main channel of S-II2. Due to potential thunderstorms and need for additional dewatering equipment, land disturbance within the resource area was not initiated. -S. Fisher

07/16/2025: Both cofferdams held during last night's inclement weather conditions. The access road was re-graded to allow trucks and equipment back down to the resource area. Turbid water from a pool in the access road was filtered through CFS and flowing off ROW. Ben Farmer, Lead EI, stopped by and had the crews install new CFS around the temporary parking area adjacent to the CE on Iron Ridge Road. Land disturbance initiated in the resource late in the morning. Excavation was active at the resource removing stream substrate material and placing it on a black geotextile liner. Pump with secondary containment started up at the downstream end of the cofferdam. De-watering bag and straw bale containment was functioning as intended. Dump trucks started dropping off loads of dirt for fill inside the channel. Topsoil removal from the right bank began. Slight seepage occurred from the upstream portion of the cofferdam after stream substrate was removed. MBP came on site after 12 and noted there should be a second pump installed. MVP EI said they have one on a truck. Topsoil was fully removed off the bank and stockpiled above the resource on ROW. Fill dirt began to be added inside the channel and compacted. Crew encountered a spring seep coming from the bedrock of the bank inside the channel. Crew proceeded adding fill inside the channel. Only a small part of the channel at the downstream end, by the cofferdam, did not get the initial fill dirt added because the dump trucks stopped hauling at 3 PM. CFS was reinstalled at the top of the stream bank. Curlex matting was installed on the bank of the resource. Water bars were reinstalled on the access road. – C. Parsons

07/17/2025: Trucks continued to bring fill to the working area. Fill was compacted and layered on the right bank to match the preexisting grade. The downstream cofferdam was reconstructed closer to the main channel to help keep falling sediment from entering the flowing water. CFS was reinstalled at the top of the stream bank. Curlex matting was installed on the right bank. Water bars were reinstalled on the access road. -A. Thorpe

07/18/2025: Trucks continued to bring fill to the working area. Fill was compacted and layered on the right bank to match the preexisting grade. Class III rip rap was delivered to be installed over the fill. The toe of the bank was keyed in to leave room for the rip rap layer. The slope was smoothed out and excess sediment was hand removed from the bottom. Geotextile fabric was installed over the bank and keyed in. Rip rap began to be placed over the fabric until inclement weather conditions occurred. Work was halted and the ROW was stabilized. -A. Thorpe

07/19/2025 – 07/20/2025: Work was halted due to inclement weather conditions.

07/21/2025: Both cofferdams were pulled. – C. Parsons

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07/22/2025: Access road was regraded. CFS was overtopped from recent storms in the low point on the access road. Crew was setting up a pump for this area. Dewatering area was functioning as designed and the filter bag was replaced. Landowner has been making trips down to the resource off ROW and making ruts with his tractor. Riprap continued to be added to the right bank. Excavator finished adding riprap to the bank and started adding the stream substrate back in along the pre-existing channel. Work on the right bank is complete. The denuded area at the bottom of the riprap was heavily seeded. CFS was installed at the top of the right bank. Crew added triple layer CFS along the access road at the low point where ponding has been occurring after storms. Straw was put down off ROW where the CFS was overtopped. Pump was moved to the other side of the access road to dewater that area, as well. Additional access road and buffer zone grading was active with the intention to dry the road out so rehab can be completed. Post-Construction assessment was completed and pictures were taken.

– C. Parsons

Item #8: Marked “Yes” due to installation of rip rap along right bank.

Item #17: Post-Construction condition marked “2 – Suboptimal” due to installation of rip rap layer over the entire right bank of the resource instead of vegetative cover.

Item #19: Post-Construction condition marked “2 – Minor” due to installation of non-native rip rap layer over the entire right bank of the resource.

In accordance with the Mountain Valley Pipeline Consent Decree, Case No. CL18006874-00, (Issued October 11, 2019) this independent report was completed to document the on-site monitoring of instream invertebrate and fisheries resources during all construction activity related to waterbody and wetland crossings, and document instream conditions and any impacts to the resources.

<i>This report was written by</i>	<b>Stephen Fisher</b> <i>Print Name</i>	<i>Stephen Fisher</i> <i>Signature</i>	<b>07/24/2025</b> <i>Date</i>
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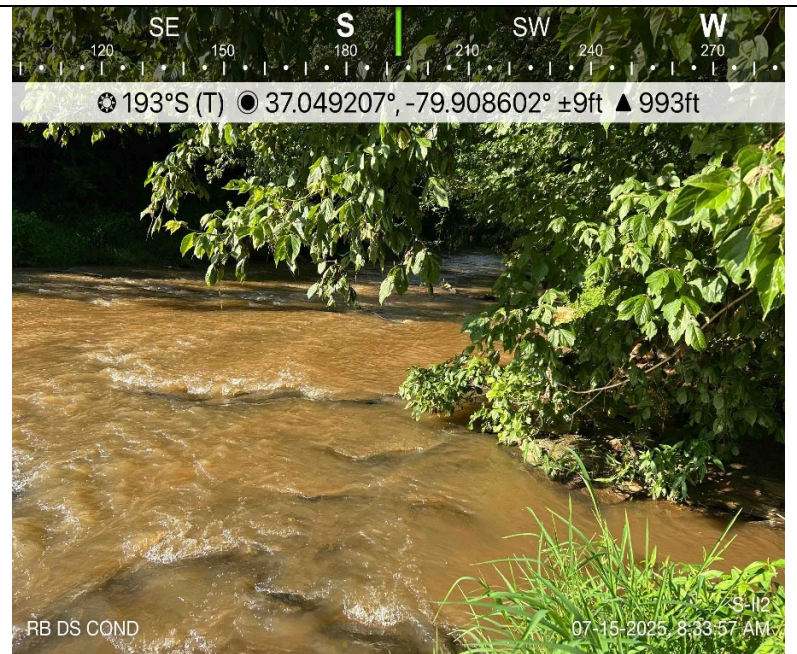
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## Required Photos



**Photo Description:** Downstream view of permitted impact area during pre-construction assessment.



**Photo Description:** Conditions of the downstream area outside the ROW during pre-construction assessment.



**Photo Description:** Downstream view of permitted impact area during post-construction assessment.



**Photo Description:** Conditions of the downstream area outside the ROW during post-construction assessment.



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## Optional Additional Photos



**Photo Description:** Overview of eroded right bank repair area and side channel before the repair.



**Photo Description:** Topsoil was removed from the right bank and stockpiled.



**Photo Description:** Class III rip rap was placed over geotextile fabric along the right bank.



**Photo Description:** Overview of right bank after the repair.