

WETLAND BIOLOGICAL CONDITIONS ENVIRONMENTAL AUDITOR REPORT

Version 2.2



Wetland ID: W-CD5	Crossing Start Date: 09/29/2023	Crossing Completion Date: 10/11/2023
Milepost: 262.5	Pre-Con Assessment Date: 09/13/2023	Post-Con Assessment Date: 10/11/2023
Station: 13888+95	Cowardin Classification: PFO (PEM, PFO, PSS, POW)	Wetland Impact Area (sq ft.): 4948.42
County: Franklin		

Item #	Resource Crossing Conditions	N/A	YES	NO
1.	Were equipment mats or other suitable methods utilized under heavy equipment to minimize soil compaction and disturbance in wetlands?		X	
2.	Was the existing vegetation removed prior to initiating land disturbance within the resource?		X	
3.	Was the top 1-foot (12-inches) of wetland soil segregated and stockpiled separate from trench spoils?		X	
4.	Was excess material not needed for backfill removed and disposed of in an upland area?		X	
5.	Was the top 12-inches of backfill made with clean native wetland topsoil?		X	
6.	Were standard decompaction practices (disking, plowing, cultivating, tilling, or incorporation of organic matter into the topsoil horizon) implemented prior to applying seed?		X	
7.	Was wetland topsoil replaced and temporarily seeded?		X	
8.	Was permanent seed applied to unsaturated wetlands?		X	
9.	Was equipment/timber matting removed from the wetland area properly by vertically lifting, and not pulling through the impact area.		X	
10.	Were impervious trench breakers/plugs properly installed within 25-feet of the resource to prevent subsurface erosion to or from the resource area?		X	
11.	Was the pre-construction survey data provided and utilized during restoration in attempt to maintain the original surface hydrology, and were contours re-established to pre-construction conditions to maintain overland flow patterns?		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.	Was the time of disturbance minimized by conducting resource work continuously to completion?		X	
14.	Does the post-construction square footage of wetland area appear to be restored to meet or exceed the pre-construction area square footage?		X	
15.	Are bareroot saplings required and/or scheduled to be planted for the dormant season (10/1 – 4/30) in PFO classified wetlands?			X
16.	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
17.	Wetland Saturation: <i>Are surface waters, the water table, and/or overall soil saturation present? (Select Yes or No)</i>	Yes	Yes
18.	Resource Alterations: Are the wetland soil conditions visibly disturbed? Examples: <i>Livestock presence, haul roads, farm traffic, drain tiles, recent mowing/clear cutting, recent excavating/disking of soils, etc.</i> Rating: <i>1-Negligible (undisturbed/natural resource), 2-Minor (20-40% of resource disturbed by alterations), 3-Moderate (40-80% of resource disturbed), 4-Poor (>80% of resource disturbed)</i>	1 - Negligible	2 - Minor
19.	Is vegetation present within the permitted impact area prior to disturbance? (Pre-Con) Are areas properly seeded and stabilized after restoration? (Post-Con) Rating: <i>1-Optimal (60-100% heavy vegetative cover), 2-Sub-optimal (30-60% mixed vegetative coverage), 3-Marginal (<30% vegetative coverage), 4-Poor (Mowed/maintained area or farmland, impervious area, sparsely vegetative coverage, etc.)</i>	2 - Suboptimal	2 - Suboptimal

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Comments/Remarks

09-13-2023: PreCon meeting. MVP EI Bill Casey. Precision foreman John Rogers, Precision EI Bill. Site is anticipated to become active on 9/14/2023. -B. Fennell

09-14 to 09-28-2023: No resource activity started due to crew remobilization to different area.

09-29-2023: Crews returned to site. Laid matting down for blasting. Blasting took place within 50-foot upland buffer zone, but not in wetland impact area. -D. Fraise

09-30-2023: Drilled and blasted upland buffer areas adjacent to wetland area. Petroleum spill from excavator on timber mat bridge. Crew immediately cleaned up spill and shoveled/removed contaminated material. No contamination or discharge to the environment was observed. -D. Fraise

10-02-2023: Digging out trench for pipe in upland buffer area. -D. Fraise

10-03-2023: Digging out trench for pipe in upland buffer area. -D. Fraise

10-04-2023: MVP EI Jim Parker took over site. Removed wetland topsoil, hammering rock, excavator on timber mats within wetland area with no geotextile fabric underneath. Advised EI that spec says it need to be applied and EI replied that they will not be placing geotextile fabric under timber mat. Work has continued without geotextile. DEQ also advised that geotextile needs to be in place to EI and LEI. Hammering and removal of soil continued. Light plants have been set up for evening work. -D. Fraise

10-05-2023: Hammering and drilling through wetland area for pipe installation. -D. Fraise

10-06-2023: Pipe laid in trench, welding 2 sections of pipe. -D. Fraise

10-07-2023: Welded pipe, mobilized materials for trench breakers to site and staged on both sides of wetland. -D. Fraise

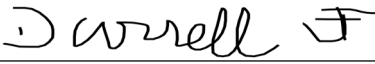
10-09-2023: Completed right trench breaker, backfilled 50 percent of subsoil within wetland area. -D. Fraise

10-10-2023: Sand blasted and coated pipe welds, installed second trench breaker, finish backfill of subsoil. -D. Fraise

10-11-2023: Backfill topsoil, survey as-builts for restoration, wetland seed and mulch applied. -D. Fraise

No impact to biological conditions or unauthorized discharge, were observed during the crossing activities.

In accordance with the Mountain Valley Pipeline Consent Decree, dated 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>	Darrell Fraise <i>Print Name</i>	 <i>Signature</i>	10/12/2023 <i>Date</i>
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Required Photos



Photo Description: View of permitted resource impact area during pre-construction assessment.

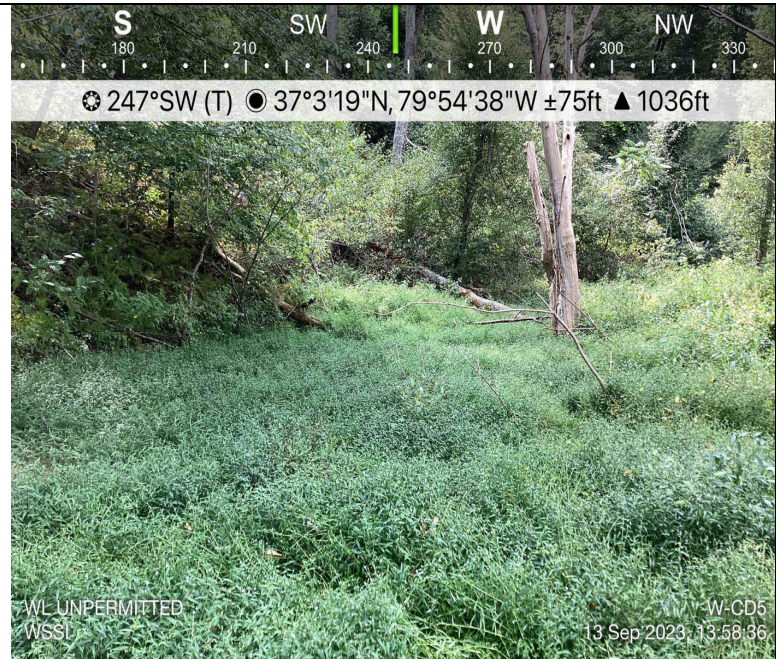


Photo Description: At edge of LOD, view of unpermitted resource area conditions during pre-construction assessment.



Photo Description: View of permitted resource impact area during post-construction assessment.



Photo Description: At edge of LOD, view of unpermitted resource area conditions during post-construction assessment.

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Optional Additional Photos



Photo Description: Dewatering structure for trenching



Photo Description: Excavator within wetland area on timber mats. No geotextile fabric observed under timber mats. DEQ reported. No unauthorized discharge or impacts to biological conditions observed.

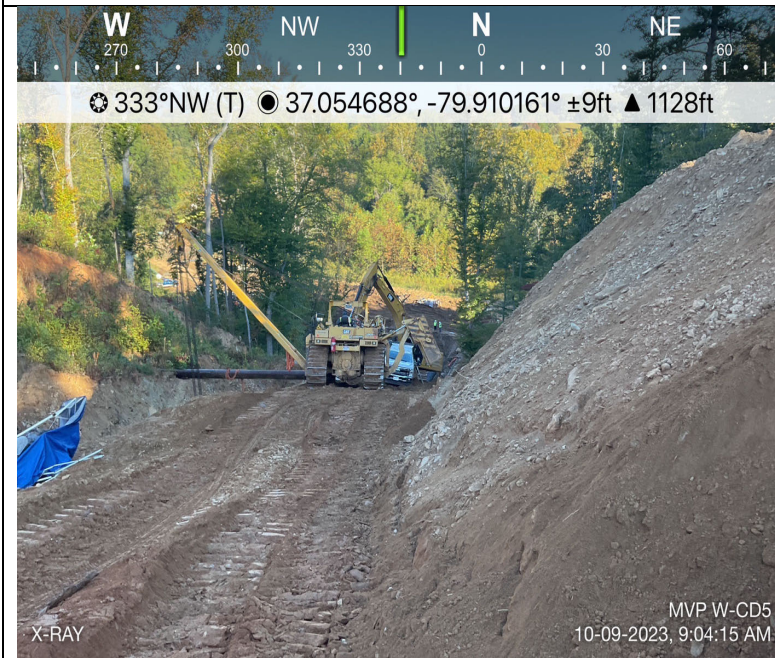


Photo Description: X-Ray QC of pipe welds.



Photo Description: Petroleum spill clean up and disposal of contaminated material. No unauthorized discharge or impacts to biological conditions observed.