

# WETLAND BIOLOGICAL CONDITIONS ENVIRONMENTAL AUDITOR REPORT

Version 2.2



<b>Wetland ID:</b> W-AB6-PSS	<b>Crossing Start Date:</b> 11/20/2023	<b>Crossing Completion Date:</b> 12/02/2023
<b>Milepost:</b> 243.4	<b>Pre-Con Assessment Date:</b> 11/18/2023	<b>Post-Con Assessment Date:</b> 12/06/2023
<b>Station:</b> 12860+04	<b>Cowardin Classification:</b> PSS (PEM, PFO, PSS, POW)	<b>Wetland Impact Area (sq ft.):</b> 265.72
<b>County:</b> Roanoke		

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.	<b>Wetland Saturation:</b> <i>Are surface waters, the water table, and/or overall soil saturation present? (Select Yes or No)</i>	Yes	Yes
18.	<b>Resource Alterations: Are the wetland soil conditions visibly disturbed?</b> <b>Examples:</b> <i>Livestock presence, haul roads, farm traffic, drain tiles, recent mowing/clear cutting, recent excavating/disking of soils, etc.</i> <b>Rating:</b> <i>1-Negligible (undisturbed/natural resource), 2-Minor (20-40% of resource disturbed by alterations), 3-Moderate (40-80% of resource disturbed), 4-Poor (&gt;80% of resource disturbed)</i>	1 - Negligible	1 - Negligible
19.	<b>Is vegetation present within the permitted impact area prior to disturbance? (Pre-Con)</b> <b>Are areas properly seeded and stabilized after restoration? (Post-Con)</b> <b>Rating:</b> <i>1-Optimal (60-100% heavy vegetative cover), 2-Sub-optimal (30-60% mixed vegetative coverage), 3-Marginal (&lt;30% vegetative coverage), 4-Poor (Mowed/maintained area or farmland, impervious area, sparsely vegetative coverage, etc.)</i>	1 - Optimal	1 - Optimal

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## Comments/Remarks

11/17/2023- Pre-Con meeting scheduled for 11/18. On site EI, Dylan Hooper. This crew is performing this resource crossing in conjunction with seven other adjacent wetland areas: AB5, AB6-PSS, AB6-PFO-1, AB6-PEM-1, AB6-PEM-2, HS02, EF42. - T. Brodbeck

11/18/2023- Pre-Construction meeting and auditor assessment completed. Timber mats installed for wetland topsoil segregation. Dewatering structures installed at both ends of workspace for anticipated dewatering needs. P1 or super silt fencing may replace diversion berms. Initial construction scheduled for 11/20. -T. Brodbeck

11/20/2023- Initial construction postponed due to forecasted rain; 11/23/23 is the new target date. - T. Brodbeck

11/24/2023- Removing topsoil adjacent to wetland. Used topsoil and subsoil stockpiles as berms, separated with 6" of clean straw. -T. Brodbeck.

11/25/2023 – Dewatering structure inspected and found to be functioning as designed. Water has not overflowed the structure and the intake filter, filtration bag, dewatering structure, straw bales and CFS all functioning. Work being done adjacent to wetland area. No impacts to biological conditions in resource. - T. Brodbeck

11/26/2023 - Staging and lowering pipeline into trench. Water discharge from dewatering structure was mostly clear, and controls installed properly. - T. Brodbeck

11/27-30/2023- Backfilled upland subsoil adjacent to wetland. No direct impact to wetland area. - T. Brodbeck

12/01/2023 - Topsoiled wetland area and applied seed and straw for stabilization. Topo survey was completed on-site to confirm pre-construction elevations. - T Brodbeck

12/02/2023 - Resource restoration completed. Installed P1 fencing along border of wetland & upland buffer zone; Reseeded wetland & upland buffer zone. Cover wetlands & upland buffer zone with clean straw. Secondary dewatering structure constructed for additional work activities in the area. - T. Brodbeck.

12/03/2023 - Timber mats will remain in place as travel lane for construction traffic to adjacent wetlands and uplands. -T. Brodbeck

12/06/2023 – Post-construction auditor assessment completed. No impacts to biological conditions or unauthorized discharges were observed. – T. Brodbeck

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>	<b>Troy Brodbeck</b> <hr style="width: 80%; margin: 0 auto;"/> <i>Print Name</i>	 <hr style="width: 80%; margin: 0 auto;"/> <i>Signature</i>	<b>12/06/2023</b> <hr style="width: 80%; margin: 0 auto;"/> <i>Date</i>
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## Required Photos



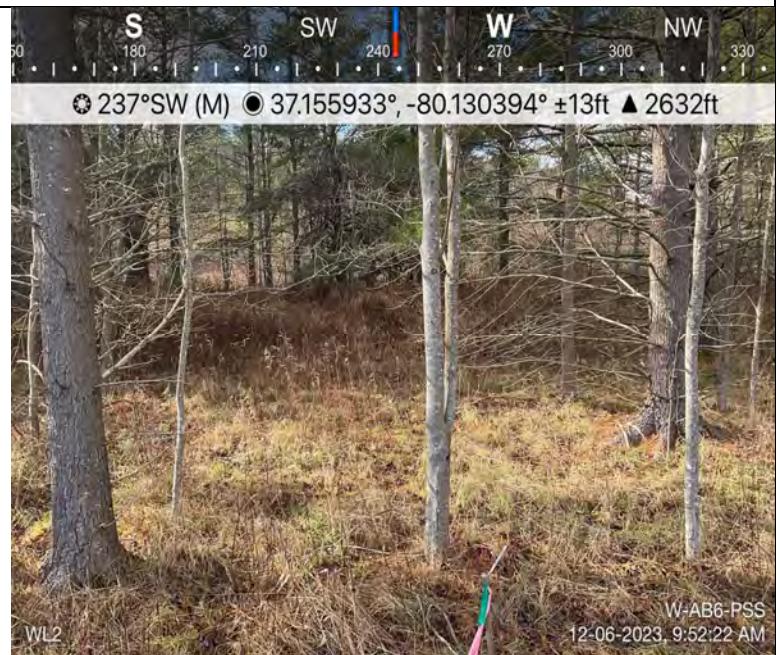
**Photo Description:** View of permitted resource impact area during pre-construction assessment.



**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:** Second dewatering structure installed on site.



**Photo Description:** Survey team on-site providing pre-construction data for restoration.



**Photo Description:** Seeding and stabilization of impact area during restoration.



**Photo Description:** Topsoil and subsoil berms across from trenching area. Stockpiles stabilized.