

Virginia Department of Environmental Quality
Appendix 1d - 2024 List of Naturally Impaired Waters (Category 4C)
No TMDL Needed

Potomac and Shenandoah River Basins

Cause Group - Water Name		Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Priority
Impaired Use	Cause						
A02R-04-BEN - North Fork Catoctin Creek							
Aquatic Life	Benthic Macroinvertebrates Bioassessments	4C			2.54		
A31E-04-PH - Monroe Creek							
Aquatic Life	pH	4C	0.176				
B13R-03-BEN - Tunnel Hollow X-trib							
Aquatic Life	Benthic Macroinvertebrates Bioassessments	4C			0.58		
B18R-04-TEMP - Beaver Creek							
Aquatic Life	Temperature	4C			6.3		
B31R-03-BEN - Toms Branch							
Aquatic Life	Benthic Macroinvertebrates Bioassessments	4C			3.49		
B36R-01-BEN - Naked Creek							
Aquatic Life	Benthic Macroinvertebrates Bioassessments	4C			12.82		
B39R-04-BEN - Dry Run							
Aquatic Life	Benthic Macroinvertebrates Bioassessments	4C			5.52		
B49L-01-DO - Lake Laura							
Aquatic Life	Dissolved Oxygen	4C		46.25			

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James River Basin

Cause Group - Water Name								
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G08E-01-PH - Morris Creek								
Aquatic Life	pH	4C	0.394					
G12R-01-PH - Eley Swamp								
Aquatic Life	pH	4C			4.8			
H39R-02-DO - Tuckahoe Creek Watershed								
Aquatic Life	Dissolved Oxygen	4C			17.94			
I04R-01-TEMP - Falling Spring								
Aquatic Life	Temperature	4C			5.1			
I22R-03-BEN - Crawford Branch								
Aquatic Life	Benthic Macroinvertebrates Bioassessments	4C			1.87			
I23R-01-PH - Cove Branch								
Aquatic Life	pH	4C			6.04			
I38L-01-DO - Lexington Reservoir								
Aquatic Life	Dissolved Oxygen	4C		22.6				
J04R-02-BEN - Mountain Creek								
Aquatic Life	Benthic Macroinvertebrates Bioassessments	4C			2.18			
J17R-08-DO - Swift Creek								
Aquatic Life	Dissolved Oxygen	4C			3.78			

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Rappahannock River Basin

Cause Group - Water Name		Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Priority
Impaired Use	Cause						
E22R-07-DO - XGI - Occupacia Creek, UT							
Aquatic Life	Dissolved Oxygen	4C			1.96		
E22R-07-PH - XGI - Occupacia Creek, UT							
Aquatic Life	pH	4C			1.96		
E23E-03-PH - Hoskins Creek							
Aquatic Life	pH	4C	0.052				
E23R-03-PH - Mill Creek and Mussell Swamp							
Aquatic Life	pH	4C			10.4		

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Chowan River and Dismal Swamp Basins

Cause Group - Water Name		Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Priority
Impaired Use	Cause						
K20R-01-DO - White Oak Swamp							
Aquatic Life	Dissolved Oxygen	4C			2.21		
K20R-01-PH - White Oak Swamp							
Aquatic Life	pH	4C			2.21		
K36R-01-DO - Blackwater - Lower Middle							
Aquatic Life	Dissolved Oxygen	4C			11.21		
K36R-02-DO - Blackwater River - Lower Middle							
Aquatic Life	Dissolved Oxygen	4C			8.29		
K36R-03-DO - Washole Creek							
Aquatic Life	Dissolved Oxygen	4C			0.55		
K37R-01-PH - Buckhorn Creek							
Aquatic Life	pH	4C			1.52		

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Tennessee and Big Sandy River Basins

Cause Group - Water Name		Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Priority
Impaired Use	Cause						
O10R-08-BEN - Little Tumbling Creek							
Aquatic Life	Benthic Macroinvertebrates Bioassessments	4C			5.8		
P01L-03-DO - Lake Witten							
Aquatic Life	Dissolved Oxygen	4C		53.17			
P19R-02-BEN - Poor Valley Creek							
Aquatic Life	Benthic Macroinvertebrates Bioassessments	4C			2.82		

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Chesapeake Bay/Atlantic/Small Coastal Basins

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POCOH-DO-BAY - Pocomoke River System CBP segment POCOH (Pocomoke River)							
Aquatic Life	Dissolved Oxygen	4C	2.499				
Open-Water Aquatic Life	Dissolved Oxygen	4C	2.499				

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New River Basin

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N16L-01-DO - Claytor Lake - New River							
Aquatic Life	Dissolved Oxygen	4C		2077.47			
N16L-02-DO - Claytor Lake - Peak Creek							
Aquatic Life	Dissolved Oxygen	4C		216.87			

Multiple listings are due to the same impairments for different uses and/or different initial listing dates for adjacent waters.