

Virginia Department of Environmental Quality
Appendix 4 - Fact Sheets for
Impaired (Category 4 or 5) Waters in 2022

James River Basin

Cause Group Code: **H28R-02-BAC** **Moore's Creek**

Cause Location: Moore's Creek from its confluence with the Ragged Mountain Dam receiving stream downstream to its confluence with the Rivanna River. (Start Mile: 6.86 End Mile: 0.00 Total Impaired Size: 6.86 Miles)

Cause City/County: Albemarle County; Charlottesville

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/4A

Cause Description: This segment is impaired due to exceedances of the e-coli bacteria WQS at station: 2-MS000.60 (2018 cycle- six E.coli WQS exceedances out of 12 samples, no new data 2022). Initial Listing Date: 2002. This assessment unit was included in the EPA approved Moore's Creek bacteria TMDL.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAV-H28R_MSC01A00 / Moore's Creek / Moore's Creek from its confluence with the Ragged Mountain Dam receiving stream downstream to the RSWA Moore's Creek STP bridge.	4A	Escherichia coli (E. coli)	2008	L	6.32
VAV-H28R_MSC01B12 / Moore's Creek / Moore's Creek from the RSWA Moore's Creek STP bridge downstream to its confluence with the Rivanna River.	4A	Escherichia coli (E. coli)	2008	L	0.54

Moore's Creek

Recreation

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			6.86

Sources: Agriculture; Livestock (Grazing or Feeding Operations); On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Sanitary Sewer Overflows (Collection System Failures); Sewage Discharges in Unsewered Areas; Unrestricted Cattle Access; Urban Runoff/Storm Sewers; Wastes from Pets; Wildlife Other than Waterfowl

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James River Basin

Cause Group Code: **H28R-02-BEN** **Moores Creek**

Cause Location: Moores Creek from its confluence with the Ragged Mountain Dam receiving stream downstream to the RWSA Moores Creek STP bridge. (Start Mile: 6.86 End Mile: 0.54 Total Impaired Size: 6.32 Miles)

Cause City/County: Albemarle County; Charlottesville

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/4A

Cause Description: This segment is impaired due to exceedances of the General Standard for Benthics at station: 2-MS000.60 (Impaired for VSCI). Initial Listing Date: 2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAV-H28R_MSC01A00 / Moores Creek / Moores Creek from its confluence with the Ragged Mountain Dam receiving stream downstream to the RWSA Moores Creek STP bridge.	4A	Benthic Macroinvertebrates Bioassessments	2008	L	6.32

Moores Creek

Aquatic Life

Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:

Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
		6.32

Sources: Impervious Surface/Parking Lot Runoff; Loss of Riparian Habitat; Municipal (Urbanized High Density Area); Post-development Erosion and Sedimentation; Urban Runoff/Storm Sewers