

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

James River Basin

Cause Group Code: H27R-04-BAC North Fork Rivanna River

Cause Location: North Fork Rivanna River from its confluence with the Lynch River downstream to its confluence with the Rivanna River. (Start Mile: 17.88 End Mile: 0.00 Total Impaired Size: 17.88 Miles)

Cause City/County: Albemarle County; Greene County

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-RRN002.19 (17 exceedances of 70 samples for e-coli in 2018, no new data 2022) and 2-RRN010.92 (2 exceedances of 12 samples for e-coli, no new data 2022). Initial Listing Date: 2006. This segment was lengthened in 2010, however, this segment is included in the EPA approved North Fork Rivanna River bacteria TMDL.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAV-H27R_RRN01A00 / Rivanna River North Fork / North Fork Rivanna River from its confluence with Preddy Creek downstream to its confluence with the Rivanna River.	4A	Escherichia coli (E. coli)	2006	L	6.56
VAV-H27R_RRN01B10 / Rivanna River North Fork / North Fork Rivanna River from the RWSA NF Rivanna River Public Water Intake downstream to its confluence with the Preddy Creek.	4A	Escherichia coli (E. coli)	2006	L	3.99
VAV-H27R_RRN02A00 / Rivanna River North Fork / North Fork Rivanna River from its confluence with Swift Run downstream to the RWSA-NF Rivanna River Public Water Intake.	4A	Escherichia coli (E. coli)	2010	L	3.82
VAV-H27R_RRN03A10 / Rivanna River North Fork / North Fork Rivanna River from its confluence with the Lynch River downstream to its confluence with Swift Run.	4A	Escherichia coli (E. coli)	2010	L	3.51

North Fork Rivanna River

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			17.88

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Wildlife Other than Waterfowl

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James River Basin

Cause Group Code: H27R-09-BEN North Fork Rivanna River

Cause Location: North Fork Rivanna River from its confluence with the Lynch River downstream to the RWSA - North Fork Rivanna River Public Water Intake. (Start Mile: 17.87 End Mile: 10.68 Total Impaired Size: 7.19 Miles)

Cause City/County: Albemarle County; Greene County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/5A

Cause Description: This segment is impaired due to exceedances of the General Standard for benthics at station: 2-RRN012.89 (Impaired for VSCI 2022 but shows some improvement) and 2-RRN-RRN06-RCA (Impaired for VSCI 2022). Additional benthic data collected at stations 2-RRN010.92 and 2-RRN015.61 in 2022, both have observed effects for benthic impairment. Initial Listing Date: 2016

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAV-H27R_RRN02A00 / Rivanna River North Fork / North Fork Rivanna River from its confluence with Swift Run downstream to the RWSA-NF Rivanna River Public Water Intake.	5A	Benthic Macroinvertebrates Bioassessments	2016	L	3.82
VAV-H27R_RRN03A10 / Rivanna River North Fork / North Fork Rivanna River from its confluence with the Lynch River downstream to its confluence with Swift Run.	5A	Benthic Macroinvertebrates Bioassessments	2016	L	3.51

North Fork Rivanna River

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			7.33

Sources: Agriculture; Non-Point Source