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Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
A01R-01-BAC	Piney Run						
Recreation	Escherichia coli	4A			3.94	2006	L
A02R-01-BAC	Catoctin Creek						
Recreation	Escherichia coli	4A			7.49	2006	L
A02R-02-BAC	North Fork Catoctin Creek						
Recreation	Escherichia coli	4A			2.54	2004	L
	Escherichia coli	4A			3.43	2008	L
	Escherichia coli	4A			4.42	2010	L
A02R-03-BAC	South Fork Catoctin Creek						
Recreation	Escherichia coli	4A			11.67	1996	L
	Escherichia coli	4A			3.23	2002	L
	Escherichia coli	4A			3.59	2004	L
A02R-05-BAC	Milltown Creek						
Recreation	Escherichia coli	4A			3.90	2006	L
A02R-06-BAC	Unnamed tributary to Catoctin Creek						
Recreation	Escherichia coli	4A			4.35	2006	L
A03R-01-BAC	Limestone Branch						
Recreation	Escherichia coli	4A			4.92	2002	L
A03R-03-BAC	Unnamed tributary to Limestone Branch						
Recreation	Escherichia coli	4A			1.93	2006	L
A03R-04-BAC	Unnamed tributary to Limestone Branch						
Recreation	Escherichia coli	4A			5.14	2014	L
A04R-01-BAC	Goose Creek						
Recreation	Escherichia coli	4A			4.31	2004	L
A04R-02-BAC	Gap Run						
Recreation	Escherichia coli	4A			3.21	2004	L
A04R-03-BAC	Crooked Run						
Recreation	Escherichia coli	4A			1.85	2010	L
A04R-04-BAC	Bolling Branch						
Recreation	Escherichia coli	4A			3.64	2006	L
A04R-05-BAC	Unnamed tributary to Goose Creek						
Recreation	Escherichia coli	4A			5.91	2014	L
A05R-01-BAC	Cromwells Run						
Recreation	Escherichia coli	4A			6.76	2012	L
	Escherichia coli	4A			3.81	2016	L

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A05R-03-BAC	Goose Creek						
Recreation	Escherichia coli	4A			5.42	2006	L
	Escherichia coli	4A			3.27	2016	L
A05R-04-BAC	Panther Skin Creek						
Recreation	Escherichia coli	4A			5.27	2006	L
	Escherichia coli	4A			3.91	2012	L
A05R-05-BAC	Jeffries Branch						
Recreation	Escherichia coli	4A			6.19	2016	L
A06R-01-BAC	North Fork Goose Creek						
Recreation	Escherichia coli	4A			4.69	1998	L
	Escherichia coli	4A			2.96	2008	L
A06R-02-BAC	Crooked Run						
Recreation	Escherichia coli	4A			2.16	2014	L
A07R-01-BAC	Beaverdam Creek						
Recreation	Escherichia coli	4A			6.50	2006	L
A07R-02-BAC	North Fork Beaverdam Creek						
Recreation	Escherichia coli	4A			2.60	2006	L
	Escherichia coli	4A			3.15	2012	L
A07R-03-BAC	Beaverdam Creek						
Recreation	Escherichia coli	4A			1.26	2006	L
	Escherichia coli	4A			4.37	2012	L
A08R-01-BAC	Goose Creek						
Recreation	Escherichia coli	4A			4.81	2006	L
A08R-01-BEN	Goose Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.81	1998	L
A08R-02-BAC	Little River						
Recreation	Escherichia coli	4A			2.48	2006	L
	Escherichia coli	4A			10.77	2016	L
A08R-03-BAC	Sycolin Creek						
Recreation	Escherichia coli	4A			3.09	1998	L
	Fecal Coliform	4A			7.98	1998	L
A08R-04-BAC	South Fork Sycolin Creek						
Recreation	Escherichia coli	4A			3.76	2002	L
A08R-05-BAC	Tuscarora Creek						
Recreation	Escherichia coli	4A			3.89	2004	L

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A08R-07-BAC	Howsers Branch						
Recreation	Escherichia coli	4A			5.10	2008	L
A08R-08-BAC	Big Branch						
Recreation	Escherichia coli	4A			2.61	2014	L
A08R-09-BAC	Goose Creek						
Recreation	Escherichia coli	4A			2.54	2006	L
A10R-01-BAC	Sugarland Run						
Recreation	Escherichia coli	4A			4.88	2002	L
	Escherichia coli	4A			1.06	2006	L
A11R-01-BAC	Difficult Run						
Recreation	Escherichia coli	4A			3.17	2004	L
A11R-01-BEN	Difficult Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.17	1998	L
A11R-02-BAC	Mine Run						
Recreation	Escherichia coli	4A			1.02	2006	L
A11R-03-BAC	Difficult Run						
Recreation	Escherichia coli	4A			3.55	2006	L
	Escherichia coli	4A			2.82	2010	L
A11R-04-BAC	Snakeden Branch						
Recreation	Escherichia coli	4A			0.97	2006	L
A11R-05-BAC	Little Difficult Run						
Recreation	Escherichia coli	4A			1.75	2008	L
A11R-06-BAC	Wolftrap Creek						
Recreation	Escherichia coli	4A			2.72	2008	L
A11R-07-BAC	Captain Hickory Run						
Recreation	Escherichia coli	4A			3.27	2010	L
A12E-01-BAC	Four Mile Run						
Recreation	Escherichia coli	4A	0.050			1996	L
A12E-01-PCB	Potomac River Embayments (FOU downstream until POM)						
Fish Consumption	PCB in Fish Tissue	4A	17.489			2002	L
	PCB in Fish Tissue	4A	1.811			2004	L
	PCB in Fish Tissue	4A	3.919			2006	L
	PCB in Fish Tissue	4A	0.265			2008	L
	PCB in Fish Tissue	4A	0.633			2010	L
	PCB in Water Column	4A	0.529			2010	L
	PCB in Fish Tissue	4A	0.076			2016	L

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A12R-01-BAC	Four Mile Run						
Recreation	Escherichia coli	4A			7.96	1994	L
A12R-01-PCB	Pimmit Run						
Fish Consumption	PCB in Fish Tissue	4A			4.40	2006	L
A12R-02-BAC	Pimmit Run						
Recreation	Escherichia coli	4A			7.73	2010	L
A12R-03-BAC	Long Branch						
Recreation	Escherichia coli	4A			1.97	2012	L
A12R-04-BAC	Little Pimmit Run						
Recreation	Escherichia coli	4A			2.35	2012	L
A13R-02-BAC	Holmes Run						
Recreation	Escherichia coli	4A			3.58	2004	L
A13R-03-BAC	Hunting Creek						
Recreation	Escherichia coli	4A	0.529			1998	L
A13R-04-BAC	Holmes Run						
Recreation	Escherichia coli	4A			6.09	2012	L
A13R-05-BAC	Backlick Run						
Recreation	Escherichia coli	4A			6.68	2012	L
A13R-06-BAC	Tripps Run						
Recreation	Escherichia coli	4A			3.70	2012	L
A14R-01-PCB	Little Hunting Creek						
Fish Consumption	PCB in Water Column	4A			1.09	2010	L
A15R-01-BAC	Accotink Creek						
Recreation	Escherichia coli	4A			7.47	2004	L
A15R-02-BAC	Accotink Creek						
Recreation	Escherichia coli	4A			5.22	1998	L
A15R-03-BAC	Accotink Creek						
Recreation	Escherichia coli	4A			2.05	2002	L
A15R-06-BAC	Long Branch						
Recreation	Escherichia coli	4A			4.47	2008	L
A17R-01-BAC	Cedar Run						
Recreation	Escherichia coli	4A			15.09	1996	L
	Escherichia coli	4A			13.17	1998	L

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A17R-02-BAC	Licking Run						
Recreation	Escherichia coli	4A			6.40	1998	L
A17R-03-BAC	Licking Run						
Recreation	Escherichia coli	4A			7.01	2006	L
A17R-04-BAC	Turkey Run						
Recreation	Escherichia coli	4A			3.61	2006	L
A17R-05-BAC	Cedar Run						
Recreation	Escherichia coli	4A			2.49	2008	L
	Escherichia coli	4A			2.41	2012	L
A17R-06-BAC	Walnut Branch						
Recreation	Escherichia coli	4A			1.69	2008	L
A17R-07-BAC	Owl Run						
Recreation	Escherichia coli	4A			5.85	2014	L
A18R-01-BAC	Elk Run						
Recreation	Escherichia coli	4A			2.27	2008	L
A18R-02-BAC	Town Run						
Recreation	Escherichia coli	4A			2.51	2008	L
A18R-03-BAC	Slate Run						
Recreation	Escherichia coli	4A			6.97	2010	L
A19R-01-BAC	Broad Run						
Recreation	Escherichia coli	4A			7.59	2002	L
A19R-02-BAC	Broad Run						
Recreation	Escherichia coli	4A			1.54	2002	L
A19R-03-BAC	Kettle Run						
Recreation	Escherichia coli	4A			7.76	2002	L
A19R-04-BAC	South Run						
Recreation	Escherichia coli	4A			2.34	2012	L
A19R-04-BEN	South Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			2.34	1998	L
A19R-05-BAC	Broad Run						
Recreation	Escherichia coli	4A			1.16	2004	L
	Escherichia coli	4A			1.15	2006	L
A19R-06-BAC	Broad Run						
Recreation	Escherichia coli	4A			2.40	2006	L

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A19R-07-BAC	Trapp Branch						
Recreation	Escherichia coli	4A			1.78	2006	L
A19R-08-BAC	Kettle Run						
Recreation	Escherichia coli	4A			3.61	2006	L
	Escherichia coli	4A			2.45	2014	L
A19R-09-BAC	Broad Run						
Recreation	Escherichia coli	4A			4.17	2010	L
A19R-10-BAC	North Fork Broad Run						
Recreation	Escherichia coli	4A			3.66	2016	L
A20R-01-BAC	Occoquan River						
Recreation	Fecal Coliform	4A			1.63	2004	L
	Escherichia coli	4A			3.35	2006	L
A20R-02-BAC	Purcell Branch						
Recreation	Escherichia coli	4A			3.85	2006	L
A21R-03-BAC	Catharpin Creek						
Recreation	Escherichia coli	4A			6.80	2008	L
A21R-04-BAC	Youngs Branch						
Recreation	Escherichia coli	4A			6.05	2012	L
A21R-05-BAC	Bull Run						
Recreation	Escherichia coli	4A			4.02	2016	L
A22R-01-BAC	Cub Run						
Recreation	Escherichia coli	4A			6.89	2006	L
A22R-02-BAC	Elklick Run						
Recreation	Escherichia coli	4A			2.27	2006	L
A22R-03-BAC	Flatlick Branch						
Recreation	Escherichia coli	4A			3.22	2014	L
A22R-04-BAC	Big Rocky Run						
Recreation	Escherichia coli	4A			4.34	2014	L
A23R-01-BEN	Bull Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.86	1996	L
A23R-02-BAC	Popes Head Creek						
Recreation	Escherichia coli	4A			5.63	2004	L
A23R-02-BEN	Popes Head Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			5.63	1998	L

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Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
A23R-03-BAC	Little Rocky Run						
Recreation	Escherichia coli	4A			5.23	2008	L
A25R-01-PCB	Giles Run						
Fish Consumption	PCB in Water Column	4A			6.48	2010	L
A25R-02-PCB	Mills Branch						
Fish Consumption	PCB in Water Column	4A			1.72	2010	L
A26L-01-PCB	Lake Montclair						
Fish Consumption	PCB in Fish Tissue	4A		103.54		2010	L
A26R-02-BAC	Powells Creek						
Recreation	Escherichia coli	4A			5.37	2006	L
	Escherichia coli	4A			3.91	2014	L
A26R-03-BAC	Quantico Creek						
Recreation	Escherichia coli	4A			1.47	2004	L
A26R-04-BAC	North Branch Chopawamsic Creek						
Recreation	Escherichia coli	4A			7.26	2004	L
A26R-05-BAC	South Fork Quantico Creek						
Recreation	Escherichia coli	4A			4.82	2004	L
A26R-07-BAC	Unnamed tributary to Potomac River						
Recreation	Escherichia coli	4A			3.67	2010	L
A28R-01-BAC	Austin Run						
Recreation	Escherichia coli	4A			0.85	2004	L
	Escherichia coli	4A			0.69	2014	L
A29R-01-BAC	Accokeek Creek						
Recreation	Escherichia coli	4A			4.48	2002	L
A29R-02-BAC	Potomac Creek						
Recreation	Escherichia coli	4A			2.18	2004	L
	Escherichia coli	4A			1.91	2014	L
A29R-03-BAC	Potomac Run						
Recreation	Escherichia coli	4A			6.59	2006	L
A30E-01-BAC	Williams Creek						
Recreation	Enterococcus	4A	0.135			2010	L
A30E-01-PCB	Coan River, Monroe Creek, Upper Machodoc Creek						
Fish Consumption	PCB in Fish Tissue	4A	2.531			2004	L
	PCB in Fish Tissue	4A	3.453			2006	L

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A30E-03-SF	Upper Machodoc Creek						
Shellfishing	Fecal Coliform	4A	0.705			1998	L
	Fecal Coliform	4A	0.135			2012	L
A30E-06-SF	Deep Creek						
Shellfishing	Fecal Coliform	4A	0.030			2002	L
	Fecal Coliform	4A	0.038			2008	L
A30E-07-SF	Upper Machodoc Creek						
Shellfishing	Fecal Coliform	4A	0.049			2014	L
A31E-01-SF	Rosier Creek						
Shellfishing	Fecal Coliform	4A	0.206			1998	L
A31E-01-SF2	Rosier Creek						
Shellfishing	Fecal Coliform	4A	0.274			2006	L
A31E-02-SF	Goldman Creek						
Shellfishing	Fecal Coliform	4A	0.043			2014	L
A31E-03-SF	Monroe Creek						
Shellfishing	Fecal Coliform	4A	0.172			2014	L
A31E-06-BAC	Mattox Creek						
Recreation	Enterococcus	4A	0.706			2006	L
A31E-06-SF	Mattox Creek						
Shellfishing	Fecal Coliform	4A	0.340			1996	L
A31E-07-BAC	Popes Creek						
Recreation	Enterococcus	4A	0.576			2006	L
A31E-07-SF	Popes Creek						
Shellfishing	Fecal Coliform	4A	0.576			1998	L
A31R-03-BAC	Popes Creek Watershed						
Recreation	Escherichia coli	4A			29.88	2014	L
A32E-01-SF	Cold Harbor Creek						
Shellfishing	Fecal Coliform	4A	0.083			2004	L
A32E-02-SF	Currioman Creek						
Shellfishing	Fecal Coliform	4A	0.052			1998	L
A32E-04-SF	Nomini Creek, Peirce Creek						
Shellfishing	Fecal Coliform	4A	0.682			1998	L
A32E-04-SF2	Nomini Creek, Peirce Creek						
Shellfishing	Fecal Coliform	4A	0.347			2004	L

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A32E-05-SF	Buckner Creek - PARTIAL DELIST						
Shellfishing	Fecal Coliform	4A	0.109			1998	L
A32E-06-SF	North Prong Buckner Creek						
Shellfishing	Fecal Coliform	4A	0.023			1998	L
A32E-08-SF	Lower Machodoc Creek						
Shellfishing	Fecal Coliform	4A	0.457			1998	L
A32E-10-SF	Weatherall Creek						
Shellfishing	Fecal Coliform	4A	0.055			2016	L
A32E-11-SF	Cabin Point Creek						
Shellfishing	Fecal Coliform	4A	0.123			2008	L
A32E-12-SF	Glebe Creek and Aimes Creek						
Shellfishing	Fecal Coliform	4A	0.135			2008	L
A32E-13-SF	Currioman Creek						
Shellfishing	Fecal Coliform	4A	0.020			2008	L
A32E-14-SF	Poor Jack Creek						
Shellfishing	Fecal Coliform	4A	0.147			2008	L
A32E-15-SF	Davis Creek						
Shellfishing	Fecal Coliform	4A	0.026			2008	L
A32E-16-SF	Jules Creek						
Shellfishing	Fecal Coliform	4A	0.045			2008	L
A32E-17-SF	Matthews Cove						
Shellfishing	Fecal Coliform	4A	0.019			2008	L
A32E-19-SF	Barnes Creek						
Shellfishing	Fecal Coliform	4A	0.057			2008	L
A32E-21-SF	North Prong Buckner Creek						
Shellfishing	Fecal Coliform	4A	0.032			2008	L
A32R-02-BAC	Lee Creek						
Recreation	Escherichia coli	4A			1.35	2012	L
A32R-04-BAC	XCJ - Jones Branch, UT						
Recreation	Escherichia coli	4A			1.02	2012	L
A32R-05-BAC	Tavern Run						
Recreation	Escherichia coli	4A			3.27	2012	L
A32R-06-BAC	Nontidal Nomini Creek Tributaries						
Recreation	Escherichia coli	4A			9.13	2014	L

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A32R-08-BAC	Barnes Creek						
Recreation	Escherichia coli	4A			1.94	2014	L
A33E-01-SF	Gardner Creek						
Shellfishing	Fecal Coliform	4A	0.131			1998	L
A33E-02-BAC	Jackson Creek						
Recreation	Enterococcus	4A	0.137			2012	L
A33E-02-SF	Jackson Creek						
Shellfishing	Fecal Coliform	4A	0.137			1998	L
A33E-03-BAC	Bonum Creek						
Recreation	Enterococcus	4A	0.200			2012	L
A33E-03-SF	Bonum Creek						
Shellfishing	Fecal Coliform	4A	0.200			1998	L
A33E-07-BAC	Hampton Hall Branch						
Recreation	Enterococcus	4A	0.274			2012	L
A33E-07-SF	Hampton Hall Branch, Kinsale Branch						
Shellfishing	Fecal Coliform	4A	0.382			1998	L
	Fecal Coliform	4A	0.052			2016	L
A33E-09-SF	Mill Creek						
Shellfishing	Fecal Coliform	4A	0.119			1998	L
A33E-10-SF	Lodge Creek						
Shellfishing	Fecal Coliform	4A	0.147			1998	L
A33E-12-SF	Shannon Branch						
Shellfishing	Fecal Coliform	4A	0.036			2006	L
A33R-01-BAC	Mill Creek						
Recreation	Escherichia coli	4A			5.00	2010	L
A33R-03-BAC	Gardner Creek						
Recreation	Escherichia coli	4A			1.40	2012	L
A33R-06-BAC	XMA - Hampton Hall Creek, UT						
Recreation	Escherichia coli	4A			2.07	2014	L
A34E-01-SF	The Glebe						
Shellfishing	Fecal Coliform	4A	0.132			1998	L
A34E-01-SF2	The Glebe						
Shellfishing	Fecal Coliform	4A	0.045			2004	L

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A34E-02-SF	Killneck Creek						
Shellfishing	Fecal Coliform	4A	0.027			2014	L
A34E-04-SF	XFJ - Coan River, UT (Cellars Cove)						
Shellfishing	Fecal Coliform	4A	0.032			1998	L
A34E-05-BAC	Coan River						
Recreation	Enterococcus	4A	0.349			2012	L
A34E-05-SF	Headly Cove						
Shellfishing	Fecal Coliform	4A	0.026			1998	L
A34E-05-SF2	Mill Creek and the Coan River - PARTIAL DELIST						
Shellfishing	Fecal Coliform	4A	0.426			1998	L
A34E-07-SF	Cod Creek						
Shellfishing	Fecal Coliform	4A	0.049			1998	L
A34E-08-SF	Cod Creek, UT						
Shellfishing	Fecal Coliform	4A	0.054			1998	L
A34E-09-BAC	Presley Creek						
Recreation	Enterococcus	4A	0.332			2012	L
A34E-09-SF	Presley Creek						
Shellfishing	Fecal Coliform	4A	0.332			1998	L
A34E-11-SF	Cod Creek, Tributary to Little Wicomico River						
Shellfishing	Fecal Coliform	4A	0.012			2014	L
A34E-12-SF	Hull Creek						
Shellfishing	Fecal Coliform	4A	0.252			1998	L
A34E-13-SF	Rogers Creek - PARTIAL DELIST						
Shellfishing	Fecal Coliform	4A	0.035			1998	L
A34E-14-SF	Cubitt Creek						
Shellfishing	Fecal Coliform	4A	0.225			1998	L
A34E-15-SF	Cod Creek, Tributary to Little Wicomico River						
Shellfishing	Fecal Coliform	4A	0.078			1998	L
A34E-16-SF	Little Wicomico River						
Shellfishing	Fecal Coliform	4A	0.203			1998	L
A34E-16-SF2	Little Wicomico River						
Shellfishing	Fecal Coliform	4A	0.366			2004	L
A34E-17-SF	Bridge Creek						
Shellfishing	Fecal Coliform	4A	0.129			2006	L

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A34E-18-SF	Bridge Creek						
Shellfishing	Fecal Coliform	4A	0.089			2006	L
A34E-21-SF	Kingscote Creek						
Shellfishing	Fecal Coliform	4A	0.009			2006	L
A34E-23-SF	Wrights Cove, UT						
Shellfishing	Fecal Coliform	4A	0.046			2014	L
A34E-24-BAC	Spring Cove						
Recreation	Enterococcus	4A	0.010			2010	L
A34E-29-SF	Ellyson Creek						
Shellfishing	Fecal Coliform	4A	0.098			2016	L
A34E-31-BAC	Little Wicomico River						
Recreation	Enterococcus	4A	0.569			2006	L
A34E-33-SF	Bridgemans Back Creek						
Shellfishing	Fecal Coliform	4A	0.055			2008	L
A34E-34-SF	Back Creek						
Shellfishing	Fecal Coliform	4A	0.038			2008	L
A34E-35-SF	Little Wicomico River, UT						
Shellfishing	Fecal Coliform	4A	0.024			2012	L
A34E-36-BAC	Hack Creek						
Recreation	Enterococcus	4A	0.224			2012	L
A34E-36-SF	Hack Creek						
Shellfishing	Fecal Coliform	4A	0.224			2008	L
A34R-04-BAC	Coan Mill Stream						
Recreation	Escherichia coli	4A			2.93	2012	L
B02R-01-BEN	West Strait Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			0.36	1996	L
	Benthic-Macroinvertebrate Bioassessments	4A			0.87	2004	L
B02R-01-DO	West Strait Creek						
Aquatic Life	Oxygen, Dissolved	4A			0.36	2010	L
B02R-02-BEN	Strait Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.29	2002	L
B06R-02-BAC	Hogue Creek						
Recreation	Fecal Coliform	4A			17.24	2002	L
	Escherichia coli	4A			17.24	2008	L

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Potomac and Shenandoah River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
B08R-01-BAC	Opequon Creek						
Recreation	Escherichia coli	4A			23.21	2004	L
B08R-01-BEN	Opequon Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			23.21	2010	L
B09R-01-BAC	Abrams Creek						
Recreation	Fecal Coliform	4A			11.18	1996	L
	Escherichia coli	4A			11.18	2008	L
B09R-01-BEN	Abrams Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			11.18	1996	L
B09R-02-BAC	Opequon Creek						
Recreation	Fecal Coliform	4A			9.04	1996	L
	Escherichia coli	4A			9.04	2008	L
B09R-02-BEN	Opequon Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			9.04	2004	L
B09R-03-BAC	Lick Run						
Recreation	Escherichia coli	4A			8.21	2006	L
B09R-04-BAC	Redbud Run						
Recreation	Fecal Coliform	4A			8.05	2004	L
	Escherichia coli	4A			8.05	2008	L
B09R-04-BEN	Redbud Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			8.05	2004	L
B10R-01-BEN	Cockran Spring Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			0.58	1996	L
B10R-02-BAC	Middle River						
Recreation	Escherichia coli	4A			17.05	2004	L
	Fecal Coliform	4A			6.86	2006	L
	Escherichia coli	4A			3.49	2008	L
	Escherichia coli	4A			3.37	2010	L
B10R-02-BEN	Middle River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			17.05	1998	L
B10R-03-BAC	Back Creek						
Recreation	Fecal Coliform	4A			9.40	2004	L
	Escherichia coli	4A			9.40	2008	L
B10R-04-BAC	Eidson Creek						
Recreation	Fecal Coliform	4A			8.84	2004	L
	Escherichia coli	4A			8.84	2008	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Potomac and Shenandoah River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
B12R-01-BAC	Lewis Creek						
Recreation	Escherichia coli	4A			10.06	2004	L
B12R-01-BEN	Lewis Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			10.06	1996	L
B13R-01-BAC	Moffett Creek						
Recreation	Fecal Coliform	4A			9.91	1996	L
	Escherichia coli	4A			9.91	2008	L
B13R-01-BEN	Moffett Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			9.91	1996	L
B13R-02-BAC	Elk Run						
Recreation	Fecal Coliform	4A			4.13	2004	L
	Escherichia coli	4A			4.13	2008	L
B14R-01-BAC	Christians Creek						
Recreation	Fecal Coliform	4A			32.95	1996	L
	Escherichia coli	4A			32.95	2004	L
B14R-01-BEN	Christians Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			32.95	2004	L
B14R-02-BAC	Folly Mills Creek						
Recreation	Fecal Coliform	4A			14.14	2004	L
	Escherichia coli	4A			14.14	2012	L
B14R-03-BAC	Long Meadow Run						
Recreation	Escherichia coli	4A			11.06	2006	L
B15R-01-BAC	Middle River						
Recreation	Fecal Coliform	4A			17.85	1996	L
	Escherichia coli	4A			17.85	2008	L
B15R-02-BAC	Polecat Draft						
Recreation	Fecal Coliform	4A			7.90	1996	L
	Escherichia coli	4A			7.90	2004	L
B17R-01-BAC	North River						
Recreation	Fecal Coliform	4A			21.37	1996	L
	Fecal Coliform	4A			3.48	2002	L
	Escherichia coli	4A			15.82	2004	L
	Escherichia coli	4A			7.08	2012	L
	Escherichia coli	4A			5.55	2012	L
	Escherichia coli	4A			3.48	2014	L
B17R-02-BAC	Thorny Branch						
Recreation	Fecal Coliform	4A			7.76	2004	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Potomac and Shenandoah River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
B18R-04-BAC	Beaver Creek						
Recreation	Fecal Coliform	4A			6.28	2002	L
	Escherichia coli	4A			3.63	2008	L
	Escherichia coli	4A			2.65	2008	L
B18R-05-BAC	Briery Branch						
Recreation	Fecal Coliform	4A			1.47	2004	L
	Escherichia coli	4A			1.47	2014	L
B19R-01-BAC	Mossy Creek						
Recreation	Fecal Coliform	4A			10.46	1996	L
	Escherichia coli	4A			10.46	2004	L
B19R-01-BEN	Mossy Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			10.46	1998	L
B21R-01-BAC	Dry River						
Recreation	Fecal Coliform	4A			6.55	1998	L
	Escherichia coli	4A			6.55	2004	L
B21R-02-BAC	Honey Run						
Recreation	Fecal Coliform	4A			4.25	2004	L
B22R-01-BAC	Muddy Creek						
Recreation	Fecal Coliform	4A			11.13	1996	L
	Escherichia coli	4A			11.13	2004	L
B22R-01-BEN	Muddy Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			11.13	1996	M
B23R-01-BEN	North River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			15.82	1998	L
B24R-01-BAC	Long Glade Creek						
Recreation	Fecal Coliform	4A			11.22	1998	L
	Escherichia coli	4A			11.22	2008	L
B25R-01-BAC	Cooks Creek						
Recreation	Fecal Coliform	4A			14.37	1996	L
	Escherichia coli	4A			14.37	2004	L
B25R-01-BEN	Cooks Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			6.63	1996	L
	Benthic-Macroinvertebrate Bioassessments	4A			7.74	1996	M
B25R-02-BAC	Silver Creek						
Recreation	Fecal Coliform	4A			0.20	2002	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Potomac and Shenandoah River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
B25R-03-BAC	Sunset Heights Branch						
Recreation	Fecal Coliform	4A			4.74	2004	L
B26R-01-BAC	Blacks Run						
Recreation	Fecal Coliform	4A			11.64	1996	L
	Escherichia coli	4A			11.64	2004	L
B26R-01-BEN	Blacks Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			11.64	1996	M
B27R-01-BAC	Pleasant Run						
Recreation	Fecal Coliform	4A			6.73	1996	L
	Escherichia coli	4A			6.73	2004	L
B27R-01-BEN	Pleasant Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			6.73	1996	M
B28R-01-BAC	Naked Creek						
Recreation	Fecal Coliform	4A			7.12	1996	L
	Escherichia coli	4A			7.12	2004	L
B28R-02-BAC	North Fork Naked Creek						
Recreation	Escherichia coli	4A			5.24	2012	L
B29R-01-BAC	Congers Creek/Duck Run/Mill Creek						
Recreation	Fecal Coliform	4A			9.11	1996	L
	Escherichia coli	4A			6.24	2004	L
	Fecal Coliform	4A			5.99	2004	L
B29R-01-BEN	Mill Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.46	1996	L
	Benthic-Macroinvertebrate Bioassessments	4A			2.78	1996	M
B30R-01-BAC	South River						
Recreation	Fecal Coliform	4A			12.42	1996	L
	Escherichia coli	4A			12.42	2008	L
B30R-03-BAC	Pine Run						
Recreation	Escherichia coli	4A			20.38	2006	L
B32R-01-BEN	South River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			7.44	1996	L
	Benthic-Macroinvertebrate Bioassessments	4A			11.55	2008	L
	Benthic-Macroinvertebrate Bioassessments	4A			10.30	2012	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Potomac and Shenandoah River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
B32R-02-BAC	South River						
Recreation	Fecal Coliform	4A			24.36	1996	L
	Escherichia coli	4A			14.37	2006	L
	Escherichia coli	4A			2.11	2010	L
	Escherichia coli	4A			18.22	2012	L
	Escherichia coli	4A			5.37	2014	L
B32R-02-HG	South River/South Fork Shenandoah River/North Fork Shenandoah River/Shenandoah River						
Fish Consumption	Mercury in Fish Tissue	4A			118.23	1998	L
	Mercury in Fish Tissue	4A			5.01	2002	L
	Mercury in Fish Tissue	4A			6.60	2006	L
	Mercury in Fish Tissue	4A			24.36	2008	L
B32R-05-BAC	Steele Run						
Recreation	Escherichia coli	4A			3.78	2016	L
B33R-01-BAC	South Fork Shenandoah River						
Recreation	Fecal Coliform	4A			16.44	2002	L
	Escherichia coli	4A			16.44	2008	L
B33R-01-BEN	South Fork Shenandoah River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			58.11	1998	L
B34R-01-BAC	Cub Run						
Recreation	Fecal Coliform	4A			14.89	1998	L
	Escherichia coli	4A			14.89	2004	L
B35R-02-BEN	Quail Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			5.12	1998	L
B38R-01-BAC	Mill Creek						
Recreation	Fecal Coliform	4A			7.06	1998	L
	Escherichia coli	4A			7.06	2008	L
B39R-01-BAC	Pass Run						
Recreation	Fecal Coliform	4A			9.47	2002	L
	Escherichia coli	4A			9.47	2004	L
B39R-02-BAC	Hawksbill Creek						
Recreation	Fecal Coliform	4A			12.53	2002	L
	Escherichia coli	4A			12.53	2004	L
	Escherichia coli	4A			7.35	2006	L
B39R-03-BAC	East Hawksbill Creek						
Recreation	Escherichia coli	4A			9.38	2006	L
B41R-01-BAC	Happy Creek						
Recreation	Fecal Coliform	4A			8.54	2004	L
	Escherichia coli	4A			8.54	2014	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Potomac and Shenandoah River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
B41R-02-PCB	South Fork Shenandoah River/North Fork Shenandoah River/Shenandoah River						
Fish Consumption	PCB in Fish Tissue	4A			45.64	1998	L
B41R-03-BEN	Happy Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			8.54	2008	L
B44R-01-BAC	Runions Creek						
Recreation	Escherichia coli	4A			14.80	2010	L
B45R-01-BAC	Long Meadow Run						
Recreation	Escherichia coli	4A			9.85	2008	L
B45R-02-BAC	Turley Creek						
Recreation	Fecal Coliform	4A			4.03	2002	L
	Escherichia coli	4A			4.03	2010	L
B45R-03-BAC	Holmans Creek						
Recreation	Fecal Coliform	4A			11.09	1996	L
	Escherichia coli	4A			11.09	2008	L
B45R-03-BEN	Holmans Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			11.09	1996	L
B45R-04-BAC	North Fork Shenandoah River						
Recreation	Fecal Coliform	4A			30.31	1996	L
	Escherichia coli	4A			23.79	2008	L
	Fecal Coliform	4A			1.98	2008	L
	Escherichia coli	4A			10.81	2012	L
B46R-01-BAC	Linville Creek						
Recreation	Fecal Coliform	4A			5.38	1996	L
	Fecal Coliform	4A			9.00	1996	L
	Escherichia coli	4A			5.38	2004	L
	Escherichia coli	4A			9.00	2004	L
B46R-01-BEN	Linville Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			5.38	1996	L
	Benthic-Macroinvertebrate Bioassessments	4A			9.00	1996	L
B47R-02-BAC	Mountain Run/Smith Creek/War Branch						
Recreation	Fecal Coliform	4A			35.63	1996	L
	Escherichia coli	4A			6.63	2006	L
	Escherichia coli	4A			33.51	2008	L
	Escherichia coli	4A			10.38	2012	L
B47R-03-BAC	Lacey Spring Branch						
Recreation	Escherichia coli	4A			0.59	2014	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Potomac and Shenandoah River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
B47R-03-BEN	Lacey Spring Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			0.59	1998	L
B47R-05-BEN	Smith Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			14.09	1998	L
	Benthic-Macroinvertebrate Bioassessments	4A			6.88	2004	L
	Benthic-Macroinvertebrate Bioassessments	4A			5.44	2006	L
B47R-06-BAC	Dry Fork						
Recreation	Fecal Coliform	4A			10.85	2004	L
	Escherichia coli	4A			10.85	2012	L
B48R-01-BAC	Mill Creek						
Recreation	Fecal Coliform	4A			15.65	2002	L
	Escherichia coli	4A			4.54	2012	L
B49R-01-BAC	Stony Creek						
Recreation	Fecal Coliform	4A			1.27	1998	L
	Fecal Coliform	4A			4.58	2002	L
	Fecal Coliform	4A			4.68	2004	L
	Fecal Coliform	4A			3.43	2006	L
	Escherichia coli	4A			10.53	2008	L
	Escherichia coli	4A			3.43	2012	L
B49R-08-BAC	Orkney Springs Run						
Recreation	Escherichia coli	4A			2.19	2012	L
B49R-09-BAC	Stony Creek						
Recreation	Escherichia coli	4A			3.50	2014	L
B50R-02-BAC	Narrow Passage Creek						
Recreation	Fecal Coliform	4A			11.61	2002	L
	Escherichia coli	4A			11.61	2008	L
B50R-04-BAC	North Fork Shenandoah River						
Recreation	Escherichia coli	4A			12.31	2012	L
B50R-05-BAC	Spring Hollow						
Recreation	Escherichia coli	4A			6.39	2012	L
B52R-02-BEN	Orndorff Spring Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			0.23	1998	L
B55R-01-BAC	Manassas Run						
Recreation	Fecal Coliform	4A			15.09	2004	L
	Escherichia coli	4A			15.09	2014	L
B55R-02-BAC	Borden Marsh Run						
Recreation	Escherichia coli	4A			15.68	2006	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Potomac and Shenandoah River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
B55R-03-BAC	Willow Brook						
Recreation	Escherichia coli	4A			4.09	2006	L
B56R-01-BAC	Crooked Run						
Recreation	Fecal Coliform	4A			9.22	2002	L
	Escherichia coli	4A			9.22	2008	L
B56R-02-BAC	Stephens Run						
Recreation	Escherichia coli	4A			0.99	2010	L
B56R-03-BAC	West Run						
Recreation	Escherichia coli	4A			8.08	2010	L
B57R-01-BAC	Page Brook Run/Spout Run						
Recreation	Fecal Coliform	4A			4.12	1998	L
	Escherichia coli	4A			10.97	2004	L
	Fecal Coliform	4A			10.97	2004	L
	Escherichia coli	4A			4.12	2010	L
B57R-01-BEN	Spout Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.12	1998	L
B57R-02-BAC	Long Branch						
Recreation	Fecal Coliform	4A			3.87	2004	L
	Escherichia coli	4A			3.87	2008	L
B57R-04-BAC	Roseville Run						
Recreation	Escherichia coli	4A			6.39	2010	L
CB5MH-DO-BAY	Chesapeake Bay segment CB5MH						
Aquatic Life	Oxygen, Dissolved	4A	1.532			2016	L
Deep-Water Aquatic Life	Oxygen, Dissolved	4A	1.532			2016	L
CB5MH-SAV-BAY	Chesapeake Bay segment CB5MH						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	2.708			2006	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	2.708			2006	L

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Potomac and Shenandoah River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
POTMH-DO-BAY	Potomac Mesohaline Embayments						
Aquatic Life	Oxygen, Dissolved	4A	0.176			2002	L
	Oxygen, Dissolved	4A	1.954			2006	L
	Oxygen, Dissolved	4A	0.038			2008	L
	Oxygen, Dissolved	4A	29.687			2014	L
	Oxygen, Dissolved	4A	0.135			2014	L
Deep-Water Aquatic Life	Oxygen, Dissolved	4A	0.448			2006	L
	Oxygen, Dissolved	4A	4.644			2014	L
Open-Water Aquatic Life	Oxygen, Dissolved	4A	0.176			2002	L
	Oxygen, Dissolved	4A	1.954			2006	L
	Oxygen, Dissolved	4A	0.038			2008	L
	Oxygen, Dissolved	4A	0.135			2014	L
	Oxygen, Dissolved	4A	29.687			2014	L
POTMH-SAV-BAY	Potomac Mesohaline Embayments						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	31.989			2006	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	31.989			2006	L
POTOH-DO-BAY	Potomac Oligohaline Embayments						
Aquatic Life	Oxygen, Dissolved	4A	0.923			2006	L
	Oxygen, Dissolved	4A	3.389			2006	L
	Oxygen, Dissolved	4A	3.012			2016	L
	Oxygen, Dissolved	4A	0.449			2016	L
Open-Water Aquatic Life	Oxygen, Dissolved	4A	3.389			2006	L
	Oxygen, Dissolved	4A	0.923			2006	L
	Oxygen, Dissolved	4A	3.012			2016	L
	Oxygen, Dissolved	4A	0.449			2016	L
POTTF-DO-BAY	Potomac Tidal Fresh Embayments						
Aquatic Life	Oxygen, Dissolved	4A	16.783			2014	L
	Oxygen, Dissolved	4A	0.076			2016	L
Open-Water Aquatic Life	Oxygen, Dissolved	4A	16.783			2014	L
	Oxygen, Dissolved	4A	0.076			2016	L

VA DEQ is transitioning from Fecal Coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreation Use.

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

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
APPTF-SAV-BAY	Appomattox River						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	2.708			2006	L
	Aquatic Plants (Macrophytes)	4A	0.032			2014	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	2.708			2006	L
	Aquatic Plants (Macrophytes)	4A	0.032			2014	L
EBEMH-DO-BAY	Eastern Branch, Elizabeth River and Indian River						
Aquatic Life	Oxygen, Dissolved	4A	2.292			2006	L
Open-Water Aquatic Life	Oxygen, Dissolved	4A	2.292			2006	L
ELIPH-DO-BAY	Chesapeake Bay segment ELIPH (Elizabeth River Mainstem)						
Aquatic Life	Oxygen, Dissolved	4A	8.112			2006	L
Open-Water Aquatic Life	Oxygen, Dissolved	4A	8.112			2006	L
G01E-01-BAC	James River						
Recreation	Escherichia coli	4A	1.484			1996	L
	Escherichia coli	4A	4.605			2006	L
	Escherichia coli	4A	0.078			2008	L
G01E-02-CHLA	James River						
Aquatic Life	Chlorophyll-a	4A	5.534			2008	L
Open-Water Aquatic Life	Chlorophyll-a	4A	5.534			2008	L
G01R-01-BAC	Goode Creek						
Recreation	Escherichia coli	4A			1.21	2006	L
G01R-02-BAC	Almond Creek						
Recreation	Escherichia coli	4A			2.10	2006	L
G01R-04-BAC	Falling Creek						
Recreation	Escherichia coli	4A			16.97	2006	L
G01R-05-BAC	Kingsland Creek						
Recreation	Escherichia coli	4A			8.54	2006	L
G01R-06-BAC	Gillies Creek						
Recreation	Escherichia coli	4A			5.88	2008	L
G01R-08-BAC	XSZ - James River, UT (aka No Name Creek)						
Recreation	Escherichia coli	4A			2.22	2008	L
G01R-10-BAC	Pocoshock Creek						
Recreation	Escherichia coli	4A			8.70	2008	L
G01R-11-BAC	Broad Rock Creek						
Recreation	Escherichia coli	4A			3.12	2006	L
G01R-13-BAC	XYA - Almond Creek, UT						
Recreation	Escherichia coli	4A			1.14	2008	L

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Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
G01R-14-BAC	Cornelius Creek						
Recreation	Escherichia coli	4A			7.22	2008	L
G01R-15-BAC	Proctors Creek						
Recreation	Escherichia coli	4A			8.26	2008	L
G01R-16-BAC	Horners Run						
Recreation	Escherichia coli	4A			2.43	2008	L
G01R-17-BAC	Falling Creek, UT						
Recreation	Escherichia coli	4A			2.32	2008	L
G01R-18-BAC	Licking Creek						
Recreation	Escherichia coli	4A			3.24	2008	L
G01R-19-BAC	Stony Run						
Recreation	Escherichia coli	4A			3.16	2008	L
G01R-20-BAC	Reedy Creek						
Recreation	Escherichia coli	4A			3.42	2012	L
G01R-21-BAC	Great Branch						
Recreation	Escherichia coli	4A			4.38	2016	L
G02E-02-CHLA	James River						
Aquatic Life	Chlorophyll-a	4A	25.824			2008	L
Open-Water Aquatic Life	Chlorophyll-a	4A	0.633			2008	L
G02R-01-BAC	Fourmile Creek						
Recreation	Escherichia coli	4A			37.00	2006	L
	Escherichia coli	4A			9.91	2006	L
G02R-05-BAC	Crewes Channel						
Recreation	Escherichia coli	4A			3.24	2008	L
G02R-07-BAC	Western Run						
Recreation	Escherichia coli	4A			1.84	2006	L
G02R-08-BAC	Turkey Island Creek						
Recreation	Escherichia coli	4A			8.85	2014	L
G03E-01-BAC	Bailey Creek (tidal), Cattail Creek (tidal)						
Recreation	Escherichia coli	4A	0.114			1994	L
G03E-04-BAC	James River						
Recreation	Escherichia coli	4A	10.194			2006	L
G03R-02-BAC	Bailey Creek						
Recreation	Escherichia coli	4A			6.47	2008	L

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Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
G03R-04-BAC	West Run						
Recreation	Escherichia coli	4A			1.86	2010	L
G03R-07-BAC	Walls Run						
Recreation	Escherichia coli	4A			5.85	2006	L
G03R-08-BAC	Cattail Creek						
Recreation	Escherichia coli	4A			1.67	2008	L
G03R-09-BAC	Southerly Run						
Recreation	Escherichia coli	4A			2.84	2008	L
G03R-10-BAC	Powell Creek, UT						
Recreation	Escherichia coli	4A			1.72	2008	L
G03R-11-BAC	Courthouse Creek						
Recreation	Escherichia coli	4A			4.39	2014	L
G04R-02-BAC	Upper Chippokes Creek						
Recreation	Escherichia coli	4A			5.61	2008	L
G04R-04-BAC	XBB - Upper Chippokes Creek, UT						
Recreation	Escherichia coli	4A			7.09	2014	L
G04R-05-BAC	Flowerdew Hundred Creek						
Recreation	Escherichia coli	4A			3.68	2016	L
G05R-01-BEN	Chickahominy River, UT - Unnamed Tributary						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			1.17	1996	L
	pH	4A			1.17	2006	L
G05R-02-BAC	Upham Brook Watershed						
Recreation	Escherichia coli	4A			65.30	2006	L
G05R-03-BAC	Chickahominy River						
Recreation	Escherichia coli	4A			14.25	2012	L
	Escherichia coli	4A			2.30	2014	L
G05R-04-BEN	Chickahominy River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			7.08	2010	L
G05R-05-BAC	Stony Run						
Recreation	Escherichia coli	4A			0.21	2010	L
G05R-12-BAC	Upper Stony Run and Tributaries						
Recreation	Escherichia coli	4A			39.87	2012	L
G05R-13-BEN	Allens Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.32	2016	L

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G06R-03-BAC	White Oak Swamp						
Recreation	Escherichia coli	4A			6.68	2006	L
G06R-12-BAC	Beaverdam Creek						
Recreation	Escherichia coli	4A			7.64	2006	L
G06R-13-BAC	Boatswain Creek						
Recreation	Escherichia coli	4A			3.75	2006	L
G06R-14-BAC	Chickahominy River						
Recreation	Escherichia coli	4A			7.45	2008	L
G06R-15-BAC	Chickahominy River						
Recreation	Escherichia coli	4A			11.78	2016	L
G07R-01-BAC	Collins Run						
Recreation	Escherichia coli	4A			4.49	2010	L
G07R-04-BAC	Schiminoe Creek						
Recreation	Escherichia coli	4A			6.22	2012	L
G07R-08-BAC	Chickahominy River						
Recreation	Escherichia coli	4A			11.03	2016	L
G08E-01-BAC	Morris Creek						
Recreation	Enterococcus	4A	0.394			2010	L
G10E-01-BAC	Powhatan Creek/Sandy Bay						
Recreation	Enterococcus	4A	0.204			1998	L
G10E-03-BAC	Mill Creek						
Recreation	Enterococcus	4A	0.075			1998	L
G10E-04-CHLA	James River (Mesohaline and Polyhaline)						
Aquatic Life	Chlorophyll-a	4A	123.068			2008	L
	Chlorophyll-a	4A	0.404			2008	L
	Chlorophyll-a	4A	0.156			2010	L
	Chlorophyll-a	4A	0.060			2016	L
Open-Water Aquatic Life	Chlorophyll-a	4A	0.404			2008	L
	Chlorophyll-a	4A	123.068			2008	L
	Chlorophyll-a	4A	0.156			2010	L
	Chlorophyll-a	4A	0.060			2016	L
G11E-01-BAC	Warwick River - Middle Tidal Portion						
Recreation	Enterococcus	4A	0.075			2008	L
G11E-01-SF	Chuckatuck Creek System						
Shellfishing	Fecal Coliform	4A	0.560			1998	L

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G11E-03-BAC	Deep Creek - Lower						
Recreation	Enterococcus	4A	0.100			2006	L
G11E-05-BAC	Pagan River - Upstream of Chalmers Point						
Recreation	Enterococcus	4A	0.300			1998	L
G11E-06-BAC	Lawnes Creek (Tributary to James River)						
Recreation	Enterococcus	4A	0.291			2010	L
G11E-06-SF	Lawnes Creek						
Shellfishing	Fecal Coliform	4A	0.291			1998	L
G11E-10-SF	Pagan River - Middle						
Shellfishing	Fecal Coliform	4A	1.394			2008	L
G11E-16-SF	Pagan River, Cypress & Jones Creeks & Brewers Creeks						
Shellfishing	Fecal Coliform	4A	0.263			1998	L
G11E-16-SF2	Pagan River - Upstream of Chalmers Point						
Shellfishing	Fecal Coliform	4A	0.300			2008	L
G11E-17-SF	Ballard Creek & Bay, James River - Ballard Swamp Area and Kings Creek & Bay - James River South Shore Tributary						
Shellfishing	Fecal Coliform	4A	0.056			1998	L
G11E-20-SF	Jones Creek - Tributary to Pagan River						
Shellfishing	Fecal Coliform	4A	0.102			2008	L
G11E-22-BAC	Pagan River - Middle						
Recreation	Enterococcus	4A	0.246			2014	L
G11R-01-BAC	Baptist Run						
Recreation	Fecal Coliform	4A			3.15	2004	L
G13E-12-BAC	Bennett Creek, Tributary to Nansemond River						
Recreation	Enterococcus	4A	0.542			2004	L
G13E-12-SF	Bennett, Bleakhorn and Knotts Creek						
Shellfishing	Fecal Coliform	4A	0.677			1998	L
G13E-13-BAC	Nansemond River - Upper						
Recreation	Enterococcus	4A	0.310			1994	L
G13E-13-SF	Burnetts Mill Creek - Tributary to Upper Nansemond R.						
Shellfishing	Fecal Coliform	4A	3.352			1994	L
	Fecal Coliform	4A	0.278			1998	L
G13E-14-SF	Nansemond River Mainstem - Upper, at mouth of Knotts Creek						
Shellfishing	Fecal Coliform	4A	0.467			2010	L

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G13E-15-BAC	Knotts Creek - Tributary to E. shore Nansemond R.						
Recreation	Enterococcus	4A	0.122			2014	L
G13E-16-BAC	Nansemond River - Upper Middle						
Recreation	Enterococcus	4A	0.209			2014	L
G13E-17-BAC	Nansemond River - Lower Middle						
Recreation	Enterococcus	4A	2.833			2014	L
G13E-18-BAC	Western Branch - Tributary to Nansemond R.						
Recreation	Enterococcus	4A	0.106			2014	L
G15E-02-02-BAC	Elizabeth River Upper Mainstem, Eastern Branch, Broad Creek, Southern Branch and Paradise Creek Recreation Impairment						
Recreation	Enterococcus	4A	0.916			1998	L
	Enterococcus	4A	0.053			2006	L
G15E-02-03-BAC	Southern Branch, Elizabeth R. - Middle						
Recreation	Enterococcus	4A	1.074			2016	L
G15E-02-05-BAC	Indian River, tributary of Eastern Branch, Elizabeth River						
Recreation	Enterococcus	4A	0.268			2002	L
G15E-02-06-BAC	Eastern Branch, Elizabeth R. - Lower						
Recreation	Enterococcus	4A	1.015			2006	L
G15E-04-02-BAC	Western Branch, Elizabeth R. - Lower						
Recreation	Enterococcus	4A	1.457			2006	L
G15E-05-02-BAC	Lafayette River - Upper & Knitting Mill Creek						
Recreation	Enterococcus	4A	0.027			2002	L
G15E-06-03-BAC	Hoffler Creek						
Recreation	Enterococcus	4A	0.053			2008	L
H01R-01-BAC	Reed Creek						
Recreation	Escherichia coli	4A			8.83	2004	L
H02R-01-BAC	Pedlar River						
Recreation	Escherichia coli	4A			9.52	2006	H
	Escherichia coli	4A			1.33	2014	H
	Escherichia coli	4A			5.53	2016	H
H02R-02-BAC	Pedlar River, Upper						
Recreation	Escherichia coli	4A			8.94	2016	L
H03R-01-BAC	Blackwater Creek						
Recreation	Escherichia coli	4A			10.54	2006	H

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H03R-02-BAC	Fishing Creek						
Recreation	Escherichia coli	4A			6.32	2008	H
H03R-03-BAC	Ivy Creek						
Recreation	Escherichia coli	4A			21.44	2008	H
H03R-04-BAC	James River						
Recreation	Escherichia coli	4A			10.74	2008	H
	Escherichia coli	4A			8.25	2014	H
H03R-05-BAC	Burton Creek						
Recreation	Escherichia coli	4A			3.47	2006	H
H03R-06-BAC	Judith Creek						
Recreation	Escherichia coli	4A			11.08	2006	H
H03R-07-BAC	Tomahawk Creek						
Recreation	Escherichia coli	4A			6.06	2006	H
H03R-08-BAC	Williams Run						
Recreation	Escherichia coli	4A			6.49	2006	H
H03R-09-BAC	Dreaming Creek						
Recreation	Escherichia coli	4A			5.04	2008	H
H03R-10-BAC	Burton Creek, Unnamed Tributary						
Recreation	Escherichia coli	4A			3.46	2008	H
H04R-01-BAC	Graham Creek						
Recreation	Fecal Coliform	4A			5.59	2002	H
H04R-02-BAC	Harris Creek						
Recreation	Escherichia coli	4A			8.33	2008	H
H05R-04-BAC	Opossum Creek						
Recreation	Escherichia coli	4A			3.17	2010	H
H05R-05-BAC	Stonewall Creek						
Recreation	Escherichia coli	4A			9.39	2008	L
H06R-01-BAC	Wreck Island Creek						
Recreation	Escherichia coli	4A			9.77	2008	L
	Escherichia coli	4A			9.77	2010	L
H06R-01-BEN	Phelps Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			2.21	2010	L
H06R-02-BAC	North Creek						
Recreation	Escherichia coli	4A			5.87	2010	L

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H07R-01-BAC	Bent Creek						
Recreation	Escherichia coli	4A			13.82	2008	L
H09R-01-BEN	Montebello Spring Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			0.13	1998	L
H09R-02-BAC	Hat Creek						
Recreation	Fecal Coliform	4A			9.51	2004	L
	Escherichia coli	4A			9.51	2010	L
H09R-03-BAC	Tye River						
Recreation	Escherichia coli	4A			8.40	2006	L
	Escherichia coli	4A			8.24	2008	L
H10R-01-BAC	Piney River						
Recreation	Escherichia coli	4A			6.89	2008	L
	Escherichia coli	4A			6.50	2010	L
H11R-01-BAC	Buffalo River						
Recreation	Escherichia coli	4A			3.66	2006	L
	Escherichia coli	4A			9.85	2010	L
	Escherichia coli	4A			4.26	2014	L
H11R-01-BEN	Long Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.59	2008	L
H11R-02-BAC	Mill Creek						
Recreation	Escherichia coli	4A			4.15	2008	L
H11R-02-BEN	Buffalo River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			2.09	2008	L
H12R-01-BAC	Rutledge Creek						
Recreation	Escherichia coli	4A			3.32	2012	L
H12R-03-BAC	Buffalo River						
Recreation	Escherichia coli	4A			2.34	2008	L
	Escherichia coli	4A			5.46	2008	L
H12R-04-BAC	Turner Creek						
Recreation	Escherichia coli	4A			4.49	2008	L
H12R-05-BAC	Rutledge Creek						
Recreation	Escherichia coli	4A			4.16	2014	L
H13R-01-BAC	Rucker Run						
Recreation	Fecal Coliform	4A			18.35	2004	L
	Escherichia coli	4A			18.35	2012	L

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H13R-02-BAC	Bobs Creek						
Recreation	Escherichia coli	4A			4.34	2014	L
H15R-01-BAC	South Fork Rockfish River						
Recreation	Fecal Coliform	4A			11.55	2004	L
	Escherichia coli	4A			11.55	2008	L
H15R-02-BAC	North Fork Rockfish River						
Recreation	Escherichia coli	4A			7.18	2006	L
H15R-03-BAC	Taylor Creek						
Recreation	Escherichia coli	4A			4.99	2012	L
H15R-04-BAC	Goodwin Creek						
Recreation	Escherichia coli	4A			2.55	2016	L
H16R-01-BAC	Rockfish River						
Recreation	Escherichia coli	4A			5.77	2006	L
H17R-01-BAC	Totier Creek						
Recreation	Fecal Coliform	4A			10.31	2002	L
	Escherichia coli	4A			9.60	2008	L
H17R-03-BAC	Ballinger Creek						
Recreation	Escherichia coli	4A			10.08	2008	L
H18R-01-BAC	North Fork Hardware River						
Recreation	Fecal Coliform	4A			11.34	2004	H
	Escherichia coli	4A			11.34	2008	H
H18R-02-BAC	South Branch North Fork Hardware River & Tributaries						
Recreation	Escherichia coli	4A			24.01	2008	H
	Escherichia coli	4A			1.76	2012	H
H19R-01-BAC	Hardware River						
Recreation	Fecal Coliform	4A			23.24	2002	H
	Escherichia coli	4A			23.24	2008	H
H20R-01-BAC	Bear Garden Creek						
Recreation	Escherichia coli	4A			9.58	2010	L
H20R-02-BEN	North Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.32	2008	L
H21R-01-BAC	Horsepen Creek						
Recreation	Escherichia coli	4A			5.86	2016	L
H21R-03-BAC	North River						
Recreation	Escherichia coli	4A			5.43	2008	L

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H21R-04-BAC	Slate River						
Recreation	Escherichia coli	4A			6.69	2008	L
	Escherichia coli	4A			6.25	2012	L
H21R-06-BAC	Grease Creek						
Recreation	Escherichia coli	4A			10.73	2008	L
H22R-01-BAC	Slate River						
Recreation	Escherichia coli	4A			9.04	2008	L
	Escherichia coli	4A			7.15	2012	L
H22R-02-BAC	Muddy Creek						
Recreation	Escherichia coli	4A			6.76	2008	L
H22R-03-BAC	Turpin Creek						
Recreation	Escherichia coli	4A			7.30	2008	L
H22R-04-BAC	Hunts Creek						
Recreation	Escherichia coli	4A			11.48	2014	L
H23R-03-BAC	Mechums River						
Recreation	Escherichia coli	4A			11.18	2006	L
	Escherichia coli	4A			15.16	2012	L
H27R-03-BAC	Preddy Creek						
Recreation	Escherichia coli	4A			7.48	2006	L
	Escherichia coli	4A			6.24	2010	L
H27R-04-BAC	North Fork Rivanna River						
Recreation	Escherichia coli	4A			10.54	2006	L
	Escherichia coli	4A			7.33	2010	L
H28R-01-BEN	Rivanna River/Moores Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			5.48	1996	L
	Benthic-Macroinvertebrate Bioassessments	4A			5.91	2006	L
	Benthic-Macroinvertebrate Bioassessments	4A			0.54	2008	L
H28R-02-BAC	Moores Creek						
Recreation	Fecal Coliform	4A			6.86	2002	L
	Escherichia coli	4A			6.86	2008	L
H28R-03-BAC	Meadow Creek						
Recreation	Fecal Coliform	4A			4.98	2002	L
	Escherichia coli	4A			4.98	2008	L
H28R-06-BAC	Rivanna River						
Recreation	Escherichia coli	4A			5.48	2006	L

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H33R-01-BAC	Solomons Creek						
Recreation	Escherichia coli	4A			4.05	2010	L
H33R-03-BAC	Sallee Creek						
Recreation	Escherichia coli	4A			7.08	2014	L
H33R-04-BAC	XAQ - Deep Creek, UT						
Recreation	Escherichia coli	4A			3.18	2016	L
H33R-05-BAC	Davis Creek						
Recreation	Escherichia coli	4A			7.68	2012	L
H33R-06-BAC	James River						
Recreation	Escherichia coli	4A			23.08	2016	L
H34R-01-BAC	Byrd Creek						
Recreation	Escherichia coli	4A			19.36	2008	L
H34R-03-BAC	Venable Creek						
Recreation	Escherichia coli	4A			8.06	2008	L
H34R-04-BAC	Phils Creek						
Recreation	Escherichia coli	4A			6.69	2008	L
H34R-05-BAC	Mill Creek						
Recreation	Escherichia coli	4A			5.99	2008	L
H35R-01-BAC	Willis River						
Recreation	Fecal Coliform	4A			12.25	2004	L
	Escherichia coli	4A			10.34	2012	L
	Escherichia coli	4A			12.25	2016	L
H35R-02-BAC	Willis River, Unnamed Tributary						
Recreation	Fecal Coliform	4A			1.68	2004	L
H35R-03-BAC	Little Willis River						
Recreation	Escherichia coli	4A			6.13	2008	L
H35R-04-BAC	Whispering Creek						
Recreation	Escherichia coli	4A			13.46	2014	L
H36R-01-BAC	Willis River						
Recreation	Escherichia coli	4A			12.97	2006	L
	Escherichia coli	4A			4.83	2006	L
	Escherichia coli	4A			15.20	2010	L
H36R-02-BAC	Randolph Creek						
Recreation	Escherichia coli	4A			11.80	2006	L

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H36R-04-BAC	Hatcher Creek						
Recreation	Escherichia coli	4A			10.18	2010	L
H36R-05-BAC	Reynolds Creek						
Recreation	Escherichia coli	4A			6.84	2012	L
H37R-01-BAC	Big Lickinghole, Little Lickinghole, & White Hall Creeks						
Recreation	Escherichia coli	4A			22.53	2008	L
H37R-02-BAC	Tarred Rat Creek						
Recreation	Escherichia coli	4A			3.30	2008	L
H38R-01-BAC	Little Creek						
Recreation	Escherichia coli	4A			0.65	2012	L
H38R-02-BAC	Mohawk Creek						
Recreation	Escherichia coli	4A			4.69	2012	L
H38R-03-BAC	Beaverdam Creek						
Recreation	Escherichia coli	4A			8.74	2008	L
H38R-05-BAC	XVV - UT to XNH (James River, UT)						
Recreation	Fecal Coliform	4A			0.41	2004	L
H38R-06-BAC	Courthouse Creek						
Recreation	Escherichia coli	4A			10.33	2006	L
H39R-02-BAC	Tuckahoe Creek and Major Tributaries						
Recreation	Escherichia coli	4A			10.18	2002	L
	Fecal Coliform	4A			5.05	2004	L
	Escherichia coli	4A			7.70	2006	L
	Escherichia coli	4A			1.49	2012	L
	Escherichia coli	4A			8.97	2014	L
H39R-04-BAC	Rattlesnake Creek						
Recreation	Escherichia coli	4A			2.23	2010	L
H39R-06-BAC	Reedy Creek						
Recreation	Escherichia coli	4A			3.80	2006	L
H39R-07-BAC	XZE - James River, UT						
Recreation	Escherichia coli	4A			1.30	2010	L
H39R-08-BAC	James River						
Recreation	Escherichia coli	4A			3.88	2006	L
H39R-10-BAC	Bernards Creek						
Recreation	Escherichia coli	4A			8.12	2008	L

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James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
H39R-12-BAC	Salles Creek						
Recreation	Escherichia coli	4A			1.96	2010	L
H39R-13-BAC	Genito Creek						
Recreation	Escherichia coli	4A			6.81	2008	L
H39R-14-BAC	Jones Creek						
Recreation	Escherichia coli	4A			8.19	2012	L
H39R-18-BAC	XHP - Tuckahoe Creek, UT						
Recreation	Escherichia coli	4A			1.73	2006	L
H39R-20-BAC	Norwood Creek						
Recreation	Escherichia coli	4A			6.36	2012	L
H39R-21-BAC	XAB - Salles Creek, UT						
Recreation	Escherichia coli	4A			0.10	2012	L
H39R-22-BAC	Manchester Canal						
Recreation	Escherichia coli	4A			0.85	2012	L
H39R-23-BAC	Michauk Creek						
Recreation	Escherichia coli	4A			4.48	2012	L
H39R-25-BAC	XCK - Reedy Creek, UT (aka Crooked Branch)						
Recreation	Escherichia coli	4A			1.25	2014	L
H39R-29-BAC	XBH - Reedy Creek, UT						
Recreation	Escherichia coli	4A			0.11	2016	L
I09R-01-BEN	Jackson River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			14.73	1996	L
I14R-01-BEN	Pheasanty Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			0.41	1998	L
I26R-01-BAC	Looney Creek Drainage						
Recreation	Escherichia coli	4A			2.66	1998	L
I26R-02-BAC	Ellis Run and Mill Creek						
Recreation	Escherichia coli	4A			10.58	2004	L
I28R-01-BAC	Cedar Creek						
Recreation	Fecal Coliform	4A			12.10	2002	L
	Escherichia coli	4A			12.10	2010	L
I32R-01-BEN	Wallace Mill Stream						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			0.91	1998	L

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James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
I32R-02-BEN	Little Calfpasture River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			0.80	1996	L
I34R-01-BAC	Hays Creek/Moffatts Creek						
Recreation	Fecal Coliform	4A			11.94	1998	L
	Fecal Coliform	4A			8.85	2004	L
	Escherichia coli	4A			20.79	2008	L
I34R-03-BAC	Walker Creek						
Recreation	Escherichia coli	4A			8.79	2006	L
I34R-04-BAC	Otts Creek						
Recreation	Escherichia coli	4A			5.39	2006	L
I38R-01-BAC	Buffalo Creek						
Recreation	Fecal Coliform	4A			3.96	2004	L
	Fecal Coliform	4A			12.13	2006	L
	Escherichia coli	4A			3.96	2008	L
	Escherichia coli	4A			12.13	2010	L
I38R-02-BAC	Colliers Creek						
Recreation	Fecal Coliform	4A			15.11	2006	L
	Escherichia coli	4A			15.11	2010	L
I38R-02-BEN	Colliers Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			15.11	2010	L
I38R-03-BAC	South Fork Buffalo Creek						
Recreation	Escherichia coli	4A			14.47	2010	L
I38R-04-BAC	North Fork Buffalo Creek						
Recreation	Escherichia coli	4A			7.57	2012	L
J01R-01-BAC	Appomattox River						
Recreation	Fecal Coliform	4A			4.72	2004	L
	Escherichia coli	4A			39.00	2006	L
	Escherichia coli	4A			35.55	2006	L
	Escherichia coli	4A			12.09	2006	L
	Escherichia coli	4A			6.55	2014	L
J01R-02-BAC	Horsepen Creek						
Recreation	Escherichia coli	4A			4.00	2010	L
J01R-03-BAC	Suanee Creek						
Recreation	Escherichia coli	4A			6.31	2006	L
J01R-04-BAC	Vaughans Creek						
Recreation	Escherichia coli	4A			4.31	2006	L
	Escherichia coli	4A			8.60	2010	L

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James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
J01R-05-BAC	Gross Creek						
Recreation	Escherichia coli	4A			1.91	2008	L
J01R-06-BAC	Gross Creek, UT						
Recreation	Escherichia coli	4A			0.64	2008	L
J01R-07-BAC	Plum Creek						
Recreation	Escherichia coli	4A			3.75	2008	L
J01R-08-BAC	South Fork Appomattox River						
Recreation	Escherichia coli	4A			5.79	2010	L
J01R-09-BAC	Crane Creek						
Recreation	Escherichia coli	4A			5.18	2010	L
J01R-10-BAC	Fishpond Creek						
Recreation	Escherichia coli	4A			9.49	2010	L
J01R-11-BAC	Rough Creek						
Recreation	Escherichia coli	4A			6.50	2010	L
J01R-12-BAC	Ducker Creek						
Recreation	Escherichia coli	4A			5.74	2012	L
J01R-13-BAC	Appomattox River						
Recreation	Escherichia coli	4A			7.90	2014	L
J02R-01-BAC	Spring Creek						
Recreation	Escherichia coli	4A			7.86	2006	L
J02R-02-BAC	Buffalo Creek						
Recreation	Escherichia coli	4A			11.03	2006	L
	Escherichia coli	4A			5.22	2014	L
J03R-01-BAC	Little Sandy Creek						
Recreation	Escherichia coli	4A			3.27	2006	L
J03R-05-BAC	Sandy River						
Recreation	Escherichia coli	4A			3.43	2008	L
J04R-01-BAC	Bush River						
Recreation	Escherichia coli	4A			4.40	2006	L
	Escherichia coli	4A			0.80	2008	L
J04R-02-BAC	Bush River, Upper						
Recreation	Escherichia coli	4A			11.48	2016	L
J05R-01-BAC	Briery Creek						
Recreation	Escherichia coli	4A			10.48	2006	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
J05R-02-BAC	Tanyard Branch						
Recreation	Escherichia coli	4A			0.46	2006	L
J06R-01-BAC	Angola Creek						
Recreation	Escherichia coli	4A			6.97	2006	L
J06R-03-BAC	Horsepen Creek						
Recreation	Escherichia coli	4A			3.99	2006	L
J06R-04-BAC	Saylers Creek						
Recreation	Escherichia coli	4A			5.13	2004	L
J06R-05-BAC	Big Guinea Creek						
Recreation	Escherichia coli	4A			8.72	2006	L
J06R-06-BAC	Little Saylers Creek						
Recreation	Escherichia coli	4A			6.78	2006	L
J06R-07-BAC	Stock Creek						
Recreation	Escherichia coli	4A			8.69	2006	L
J06R-08-BAC	Green Creek						
Recreation	Escherichia coli	4A			5.14	2008	L
J06R-09-BAC	Sandy Creek						
Recreation	Escherichia coli	4A			8.29	2016	L
J07R-02-BAC	Rocky Ford Creek(NESTED)						
Recreation	Escherichia coli	4A			5.72	2008	L
J07R-03-BAC	Butterwood Creek(NESTED)						
Recreation	Escherichia coli	4A			5.62	2010	L
J08R-01-BAC	Flat Creek						
Recreation	Escherichia coli	4A			4.09	2006	L
J08R-02-BAC	Flat Creek						
Recreation	Escherichia coli	4A			29.89	2008	L
J09R-01-BAC	Nibbs Creek						
Recreation	Escherichia coli	4A			5.46	2006	L
J09R-02-BAC	Nibbs Creek(NESTED)						
Recreation	Escherichia coli	4A			0.63	2010	L
J09R-03-BAC	Nibbs Creek						
Recreation	Escherichia coli	4A			5.86	2012	L
J10R-03-BAC	Smacks Creek						
Recreation	Escherichia coli	4A			9.06	2010	L

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James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
J11R-03-BAC	Bland Creek(NESTED)						
Recreation	Escherichia coli	4A			6.51	2012	L
J11R-04-BAC	Cellar Creek(NESTED)						
Recreation	Escherichia coli	4A			10.96	2010	L
	Escherichia coli	4A			2.70	2016	L
J11R-05-BAC	Woody Creek(NESTED)						
Recreation	Escherichia coli	4A			7.97	2010	L
J11R-06-BAC	Lees Creek(NESTED)						
Recreation	Escherichia coli	4A			3.31	2010	L
J11R-07-BAC	UT to Winningham Creek(easternmost)(NESTED)						
Recreation	Escherichia coli	4A			2.16	2010	L
J11R-08-BAC	Beaverpond Creek(NESTED)						
Recreation	Escherichia coli	4A			6.47	2012	L
J11R-09-BAC	Sweathouse Creek(NESTED)						
Recreation	Escherichia coli	4A			11.41	2012	L
J11R-10-BAC	Winningham Creek(NESTED)						
Recreation	Escherichia coli	4A			5.93	2012	L
J11R-11-BAC	UT to Winningham Creek(West)(NESTED)						
Recreation	Escherichia coli	4A			2.07	2012	L
J11R-12-BAC	Deep Creek(NESTED)						
Recreation	Escherichia coli	4A			1.65	2010	L
J11R-13-BAC	Rocky Run						
Recreation	Escherichia coli	4A			3.42	2012	L
J11R-14-BAC	West Creek(NESTED)						
Recreation	Escherichia coli	4A			7.36	2006	L
J12R-01-BAC	Winticomack Creek(NESTED)						
Recreation	Escherichia coli	4A			4.07	2010	L
J12R-08-BAC	Appomattox River						
Recreation	Escherichia coli	4A			8.77	2008	L
J14R-03-BAC	Whipponock Creek(NESTED)						
Recreation	Escherichia coli	4A			6.82	2010	L
J15E-01-BAC	Appomattox River						
Recreation	Escherichia coli	4A	0.113			1998	L
	Escherichia coli	4A	2.064			2008	L
	Escherichia coli	4A	0.507			2016	L

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James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
J15R-02-BAC	Oldtown Creek(NESTED)						
Recreation	Fecal Coliform	4A			4.22	2006	L
J15R-03-BAC	Harrison Creek(NESTED)						
Recreation	Escherichia coli	4A			3.22	2006	L
J15R-04-BAC	Poor Creek(NESTED)						
Recreation	Fecal Coliform	4A			3.13	2004	L
J15R-06-BAC	Lieutenant Run(NESTED)						
Recreation	Escherichia coli	4A			3.50	2008	L
J15R-07-BAC	Ashton Creek(NESTED)						
Recreation	Escherichia coli	4A			7.80	2006	L
J15R-09-BAC	Cattail Run						
Recreation	Escherichia coli	4A			4.26	2012	L
J16R-01-BAC	Swift Creek						
Recreation	Escherichia coli	4A			1.80	2006	L
J17E-01-BAC	Swift Creek						
Recreation	Escherichia coli	4A	0.087			2006	L
J17L-02-BAC	Lakeview Reservoir (NESTED)						
Recreation	Escherichia coli	4A		43.50		2016	L
J17R-04-BAC	Swift Creek						
Recreation	Escherichia coli	4A			5.12	2006	L
J17R-12-BAC	Licking Creek(NESTED)						
Recreation	Escherichia coli	4A			0.46	2010	L
JMSMH-SAV-BAY	Chesapeake Bay segment JMSMH						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	106.784			2006	L
	Aquatic Plants (Macrophytes)	4A	11.726			2014	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	106.784			2006	L
	Aquatic Plants (Macrophytes)	4A	11.726			2014	L
JMSTFL-SAV-BAY	James River Tidal Freshwater (Lower) Estuary						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	29.026			2006	L
	Aquatic Plants (Macrophytes)	4A	0.042			2008	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	29.026			2006	L
	Aquatic Plants (Macrophytes)	4A	0.042			2008	L

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James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
JMSTFU-SAV-BAY	James River Tidal Freshwater (Upper) Estuary						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	7.746			2006	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	7.746			2006	L
LAFMH-DO-BAY	Chesapeake Bay segment LAFMH (Lafayette River)						
Aquatic Life	Oxygen, Dissolved	4A	2.174			2006	L
Open-Water Aquatic Life	Oxygen, Dissolved	4A	2.174			2006	L
SBEMH-DO-BAY	Chesapeake Bay segment SBEMH (Southern Branch, Elizabeth River)						
Aquatic Life	Oxygen, Dissolved	4A	3.205			2006	L
Deep-Water Aquatic Life	Oxygen, Dissolved	4A	2.443			2006	L
Open-Water Aquatic Life	Oxygen, Dissolved	4A	3.205			2006	L
WBEMH-DO-BAY	Chesapeake Bay segment WBEMH (Western Branch, Elizabeth River)						
Aquatic Life	Oxygen, Dissolved	4A	2.814			2006	L
Open-Water Aquatic Life	Oxygen, Dissolved	4A	2.814			2006	L

VA DEQ is transitioning from Fecal Coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreation Use.

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

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Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
CRRMH-DO-BAY	Corrotoman River Mesohaline Estuary (CRRMH)						
Aquatic Life	Oxygen, Dissolved	4A	3.769			1998	L
	Oxygen, Dissolved	4A	5.434			2006	L
Open-Water Aquatic Life	Oxygen, Dissolved	4A	3.769			1998	L
	Oxygen, Dissolved	4A	5.434			2006	L
CRRMH-SAV-BAY	Corrotoman River Mesohaline Estuary (CRRMH)						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	9.203			2012	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	9.203			2012	L
E01R-01-BAC	Thumb Run						
Recreation	Escherichia coli	4A			7.67	2010	L
E01R-02-BAC	Thumb Run, West Branch						
Recreation	Escherichia coli	4A			12.08	2002	L
E01R-03-BAC	Rappahannock River						
Recreation	Escherichia coli	4A			2.27	2002	L
E01R-04-BAC	Thumb Run, East Branch						
Recreation	Escherichia coli	4A			6.59	2004	L
E01R-05-BAC	Fiery Run						
Recreation	Escherichia coli	4A			9.38	2010	L
E01R-06-BAC	Jordan River						
Recreation	Escherichia coli	4A			7.05	2012	L
E01R-07-BAC	Buck Run						
Recreation	Escherichia coli	4A			9.76	2016	L
E02R-01-BAC	Carter Run						
Recreation	Escherichia coli	4A			3.62	1998	L
	Escherichia coli	4A			8.76	2006	L
E02R-02-BAC	Great Run						
Recreation	Escherichia coli	4A			16.65	2004	L
E02R-03-BAC	Rappahannock River						
Recreation	Escherichia coli	4A			7.04	2006	L
E02R-04-BAC	Barrows Run						
Recreation	Escherichia coli	4A			4.52	2006	L
E02R-05-BAC	South Run						
Recreation	Escherichia coli	4A			4.09	2006	L
E02R-06-BAC	Carter Run						
Recreation	Escherichia coli	4A			1.63	2006	L

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Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
E02R-07-BAC	Glascock Run						
Recreation	Escherichia coli	4A			3.81	2012	L
E02R-08-BAC	Rappahannock River						
Recreation	Escherichia coli	4A			1.42	2016	L
E03R-01-BAC	Hughes River						
Recreation	Escherichia coli	4A			3.84	2004	L
E03R-02-BAC	Popham Run						
Recreation	Escherichia coli	4A			2.21	2012	L
E04R-01-BAC	Hazel River						
Recreation	Escherichia coli	4A			5.77	2002	L
	Escherichia coli	4A			10.12	2006	L
	Fecal Coliform	4A			0.83	2006	L
	Escherichia coli	4A			3.63	2016	L
E04R-02-BAC	Blackwater Creek						
Recreation	Escherichia coli	4A			8.97	2010	L
E05R-01-BAC	Rush River						
Recreation	Escherichia coli	4A			5.86	2002	L
E05R-02-BAC	Thornton River						
Recreation	Escherichia coli	4A			3.45	2006	L
E05R-03-BAC	Big Branch						
Recreation	Escherichia coli	4A			3.04	2010	L
E05R-04-BAC	Rush River						
Recreation	Escherichia coli	4A			3.35	2014	L
E06R-01-BAC	Thornton River						
Recreation	Escherichia coli	4A			5.52	2006	L
E06R-02-BAC	Battle Run						
Recreation	Escherichia coli	4A			2.23	2008	L
E06R-03-BAC	Unnamed tributary to Thornton River						
Recreation	Escherichia coli	4A			5.02	2012	L
E07R-01-BAC	Muddy Run						
Recreation	Escherichia coli	4A			6.09	1996	L
	Escherichia coli	4A			8.25	2002	L
E07R-02-BAC	Hazel River						
Recreation	Escherichia coli	4A			3.36	2006	L

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Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
E08R-01-BAC	Marsh Run						
Recreation	Escherichia coli	4A			2.32	1996	L
	Escherichia coli	4A			6.01	2012	L
E08R-02-BAC	Browns Run						
Recreation	Escherichia coli	4A			2.54	2002	L
E08R-03-BAC	Craig Run						
Recreation	Escherichia coli	4A			3.72	2004	L
E08R-04-BAC	Rappahannock River						
Recreation	Escherichia coli	4A			2.11	2004	L
E08R-05-BAC	Rappahannock River						
Recreation	Escherichia coli	4A			2.85	2006	L
E08R-06-BAC	Tinpot Run						
Recreation	Escherichia coli	4A			1.28	2008	L
E08R-07-BAC	Marsh Run						
Recreation	Escherichia coli	4A			3.87	2008	L
E09R-01-BAC	Mountain Run						
Recreation	Escherichia coli	4A			7.58	1996	L
E09R-02-BAC	Mountain Run						
Recreation	Escherichia coli	4A			6.65	2010	L
	Escherichia coli	4A			4.63	2016	L
E09R-03-BAC	Mountain Run						
Recreation	Escherichia coli	4A			1.63	2006	L
E09R-04-BAC	Jonas Run						
Recreation	Escherichia coli	4A			3.78	2008	L
E09R-05-BAC	Flat Run						
Recreation	Escherichia coli	4A			6.23	2014	L
E10R-01-BAC	Deep Run						
Recreation	Escherichia coli	4A			4.93	1996	L
	Fecal Coliform	4A			3.02	2006	L
	Escherichia coli	4A			3.75	2014	L
E10R-03-BAC	Alcotti Run						
Recreation	Escherichia coli	4A			5.16	2012	L
E11R-01-BAC	Garth Run						
Recreation	Escherichia coli	4A			1.61	2014	L

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Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
E12R-02-BAC	Rippin Run						
Recreation	Escherichia coli	4A			0.60	2012	L
E13R-01-BAC	Blue Run						
Recreation	Escherichia coli	4A			4.34	2002	L
	Escherichia coli	4A			8.38	2006	L
E13R-02-BAC	Rapidan River						
Recreation	Escherichia coli	4A			7.63	2002	L
E13R-04-BAC	Unnamed tributary to the Rapidan River						
Recreation	Escherichia coli	4A			2.67	2004	L
E13R-05-BAC	Beautiful Run						
Recreation	Escherichia coli	4A			1.18	2006	L
	Escherichia coli	4A			2.50	2012	L
	Escherichia coli	4A			8.45	2016	L
E13R-06-BAC	Rapidan River						
Recreation	Escherichia coli	4A			4.33	2006	L
E13R-07-BAC	Unnamed tributary to Rapidan River						
Recreation	Escherichia coli	4A			3.11	2006	L
E13R-08-BAC	Marsh Run						
Recreation	Escherichia coli	4A			5.64	2014	L
E13R-09-BAC	Poplar Run						
Recreation	Escherichia coli	4A			4.14	2014	L
E14R-02-BAC	Finks Run						
Recreation	Escherichia coli	4A			3.16	2006	L
E14R-03-BAC	White Oak Run						
Recreation	Escherichia coli	4A			3.19	2006	L
E14R-04-BAC	Leathers Run						
Recreation	Escherichia coli	4A			2.17	2006	L
E15R-01-BAC	Little Dark Run						
Recreation	Escherichia coli	4A			2.11	1998	L
	Escherichia coli	4A			2.42	2008	L
E15R-02-BAC	Robinson River						
Recreation	Escherichia coli	4A			5.31	2004	L
E15R-03-BAC	Deep Run						
Recreation	Escherichia coli	4A			2.47	2008	L

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Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
E15R-04-BAC	Crooked Run						
Recreation	Escherichia coli	4A			7.89	2008	L
E15R-05-BAC	Great Run						
Recreation	Escherichia coli	4A			9.31	2008	L
E15R-06-BAC	Dark Run						
Recreation	Escherichia coli	4A			8.59	2010	L
E16R-01-BAC	Cedar Run						
Recreation	Escherichia coli	4A			3.53	2006	L
E16R-02-BAC	Rapidan River						
Recreation	Escherichia coli	4A			4.66	2006	L
E16R-03-BAC	Rapidan River						
Recreation	Escherichia coli	4A			3.39	2008	L
E17R-01-BAC	Mine Run						
Recreation	Escherichia coli	4A			10.50	2002	L
E17R-02-BAC	Mountain Run						
Recreation	Escherichia coli	4A			10.10	2002	L
	Escherichia coli	4A			7.46	2006	L
E17R-03-BAC	Black Walnut Run						
Recreation	Escherichia coli	4A			6.48	2006	L
E17R-04-BAC	Sumerduck Run						
Recreation	Escherichia coli	4A			6.20	2014	L
E17R-05-BAC	Potato Run						
Recreation	Escherichia coli	4A			6.83	2014	L
E18R-02-BAC	Wilderness Run						
Recreation	Escherichia coli	4A			5.56	2008	L
E18R-03-BAC	Rapidan River						
Recreation	Escherichia coli	4A			3.51	2008	L
E18R-04-BAC	Hazel Run						
Recreation	Escherichia coli	4A			4.06	2012	L
E20E-01-BAC	Rappahannock River						
Recreation	Escherichia coli	4A	0.443			2002	L
	Escherichia coli	4A	0.188			2006	L
E20R-01-BAC	Claiborne Run						
Recreation	Escherichia coli	4A			4.52	2004	L

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Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
E20R-02-BAC	Hazel Run						
Recreation	Escherichia coli	4A			4.72	2004	L
E20R-03-BAC	Massaponax Creek						
Recreation	Escherichia coli	4A			5.19	2004	L
	Escherichia coli	4A			1.67	2010	L
E20R-04-BAC	Massaponax Creek						
Recreation	Escherichia coli	4A			2.17	2008	L
E20R-05-BAC	Unnamed Tributary to Hazel Run						
Recreation	Escherichia coli	4A			1.53	2014	L
E20R-06-BAC	Unnamed tributary to Hazel Run						
Recreation	Escherichia coli	4A			2.23	2014	L
E20R-07-BAC	Little Falls Run						
Recreation	Escherichia coli	4A			4.92	2016	L
E21R-01-BAC	Muddy Creek						
Recreation	Escherichia coli	4A			3.58	2008	L
E21R-02-BAC	Ware Creek						
Recreation	Escherichia coli	4A			4.50	2010	L
E21R-05-BAC	Mount Creek						
Recreation	Escherichia coli	4A			4.46	2008	L
E21R-06-BAC	Lambs Creek						
Recreation	Escherichia coli	4A			0.54	2008	L
E21R-12-BAC	White Oak Run						
Recreation	Escherichia coli	4A			6.51	2014	L
E22E-04-BAC	Occupacia Creek						
Recreation	Enterococcus	4A	0.668			2014	L
E22E-06-BAC	Rappahannock River						
Recreation	Enterococcus	4A	6.958			2014	L
E22E-07-BAC	Rappahannock River						
Recreation	Enterococcus	4A	2.003			2014	L
E22R-01-BAC	Occupacia Creek						
Recreation	Escherichia coli	4A			2.34	2006	L
E22R-02-BAC	Farmers Hall Creek						
Recreation	Fecal Coliform	4A			4.00	2004	L

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Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
E23E-01-SF	Upper Rappahannock River, Little Carter Creek, Jugs Creek						
Shellfishing	Fecal Coliform	4A	7.703			1998	L
	Fecal Coliform	4A	0.046			2006	L
E23E-02-BAC	Cat Point Creek						
Recreation	Enterococcus	4A	1.280			2010	L
E23E-03-BAC	Hoskins Creek						
Recreation	Enterococcus	4A	0.084			2006	L
E23E-03-BAC2	Hoskins Creek, Church Swamp						
Recreation	Enterococcus	4A	0.016			2006	L
	Enterococcus	4A	0.052			2006	L
	Enterococcus	4A	0.002			2008	L
E23E-05-BAC	Little Carter Creek & Jugs Creek						
Recreation	Enterococcus	4A	0.419			2012	L
E23E-06-BAC	Piscataway Creek						
Recreation	Enterococcus	4A	0.589			2016	L
E23R-04-BAC	Hoskins Creek						
Recreation	Escherichia coli	4A			13.16	2014	L
E23R-06-BAC	Cat Point Creek and Tributaries						
Recreation	Escherichia coli	4A			5.33	2010	L
	Escherichia coli	4A			3.58	2012	L
	Escherichia coli	4A			109.40	2014	L
E23R-08-BAC	Muddy Run						
Recreation	Escherichia coli	4A			4.65	2014	L
E23R-19-BAC	Clarks Run						
Recreation	Escherichia coli	4A			3.82	2014	L
E23R-21-BAC	Piscataway Creek						
Recreation	Escherichia coli	4A			3.17	2014	L
E24E-01-SF	Richardson Creek						
Shellfishing	Fecal Coliform	4A	0.174			1998	L
E24E-02-BAC	Totuskey Creek						
Recreation	Enterococcus	4A	1.068			2006	L
E24R-01-BAC	Bookers Mill Stream						
Recreation	Escherichia coli	4A			6.53	2012	L
E24R-02-BAC	Totuskey Creek						
Recreation	Escherichia coli	4A			8.04	2006	L

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Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
E24R-03-BAC	Muddy Gut						
Recreation	Escherichia coli	4A			2.63	2008	L
E24R-04-BAC	Little Totuskey Creek						
Recreation	Escherichia coli	4A			1.90	2012	L
E24R-06-BAC	Richardson Creek and Tributaries						
Recreation	Escherichia coli	4A			17.21	2012	L
E24R-07-BAC	Totuskey Creek Tributaries						
Recreation	Escherichia coli	4A			75.27	2012	L
E24R-09-BAC	Marshy Swamp						
Recreation	Escherichia coli	4A			9.53	2012	L
E25E-01-BAC	Lagrange Creek						
Recreation	Enterococcus	4A	0.590			2012	L
E25E-01-SF	Lagrange Creek						
Shellfishing	Fecal Coliform	4A	0.590			1998	L
E25E-02-BAC	Robinson Creek						
Recreation	Fecal Coliform	4A	0.165			1998	L
E25E-02-SF	Robinson Creek						
Shellfishing	Fecal Coliform	4A	0.165			1998	L
E25E-04-SF	Harry George Creek						
Shellfishing	Fecal Coliform	4A	0.095			2016	L
E25E-05-BAC	Farnham Creek						
Recreation	Enterococcus	4A	0.427			2010	L
E25E-05-SF	Farnham Creek						
Shellfishing	Fecal Coliform	4A	0.360			1998	L
E25E-06-SF	Lagrange Creek						
Shellfishing	Fecal Coliform	4A	0.048			2016	L
E25E-07-SF	Parrotts Creek						
Shellfishing	Fecal Coliform	4A	0.153			1998	L
E25E-09-SF	Weeks Creek						
Shellfishing	Fecal Coliform	4A	0.123			2014	L
E25E-10-SF	Deep Creek						
Shellfishing	Fecal Coliform	4A	0.049			1998	L
E25E-10-SF2	Deep Creek						
Shellfishing	Fecal Coliform	4A	0.074			2002	L

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Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
E25E-11-SF	Lancaster Creek						
Shellfishing	Fecal Coliform	4A	0.270			1998	L
E25E-11-SF2	Lancaster Creek						
Shellfishing	Fecal Coliform	4A	0.196			2002	L
E25E-12-SF	Morattico Creek						
Shellfishing	Fecal Coliform	4A	0.138			2002	L
E25E-13-SF	Mulberry Creek						
Shellfishing	Fecal Coliform	4A	0.136			1998	L
E25E-14-SF	Beach Creek						
Shellfishing	Fecal Coliform	4A	0.083			2016	L
E25E-15-BAC	Greenvale Creek						
Recreation	Enterococcus	4A	0.087			2012	L
E25E-15-SF	Greenvale Creek						
Shellfishing	Fecal Coliform	4A	0.087			1998	L
E25E-22-SF	Robinson Creek						
Shellfishing	Fecal Coliform	4A	0.039			2006	L
E25E-27-SF	Parrotts Creek						
Shellfishing	Fecal Coliform	4A	0.031			2008	L
E25E-28-SF	Paynes Creek						
Shellfishing	Fecal Coliform	4A	0.049			2008	L
E25E-29-SF	Greenvale Creek						
Shellfishing	Fecal Coliform	4A	0.012			2012	L
E25E-30-BAC	Town Bridge Swamp						
Recreation	Enterococcus	4A	0.002			2012	L
E25R-01-BAC	Laton Swamp						
Recreation	Escherichia coli	4A			4.86	2014	L
E25R-03-BAC	Nickleberry Swamp						
Recreation	Escherichia coli	4A			1.86	2012	L
E25R-04-BAC	South Branch Lagrange Creek						
Recreation	Escherichia coli	4A			0.40	2012	L
E26E-01-SF	Meachim Creek						
Shellfishing	Fecal Coliform	4A	0.075			1998	L
E26E-02-SF	Meachim Creek						
Shellfishing	Fecal Coliform	4A	0.027			1998	L

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Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
E26E-03-SF	Taylor Creek						
Shellfishing	Fecal Coliform	4A	0.078			2012	L
E26E-05-SF	Myer Creek						
Shellfishing	Fecal Coliform	4A	0.055			1998	L
E26E-06-SF	Ewells Prong						
Shellfishing	Fecal Coliform	4A	0.034			1998	L
E26E-08-SF	Senior Creek						
Shellfishing	Fecal Coliform	4A	0.070			1998	L
E26E-09-SF	Western Branch Corrotoman River						
Shellfishing	Fecal Coliform	4A	0.503			1998	L
	Fecal Coliform	4A	0.009			2002	L
E26E-10-SF	Bush Park Creek						
Shellfishing	Fecal Coliform	4A	0.103			1998	L
E26E-11-SF	Mill Creek						
Shellfishing	Fecal Coliform	4A	0.111			1998	L
E26E-12-SF	Sturgeon Creek						
Shellfishing	Fecal Coliform	4A	0.066			1998	L
E26E-13-BAC	Locklies Creek						
Recreation	Enterococcus	4A	0.101			2012	L
E26E-13-SF	Locklies Creek						
Shellfishing	Fecal Coliform	4A	0.073			1998	L
E26E-14-SF	Hills Creek						
Shellfishing	Fecal Coliform	4A	0.061			1998	L
E26E-15-SF	Bells Creek						
Shellfishing	Fecal Coliform	4A	0.055			1998	L
E26E-16-SF	Eastern Branch Corrotoman River						
Shellfishing	Fecal Coliform	4A	0.388			1998	L
E26E-17-SF	Eastern Branch Carter Creek						
Shellfishing	Fecal Coliform	4A	0.084			1998	L
E26E-20-SF	Mosquito Creek						
Shellfishing	Fecal Coliform	4A	0.023			2016	L
E26E-26-BAC	Little Branch						
Recreation	Enterococcus	4A	0.114			2006	L

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Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
E26E-27-BAC	Belwood Swamp						
Recreation	Enterococcus	4A	0.009			2012	L
E26E-28-BAC	Western Branch Corrotoman River						
Recreation	Enterococcus	4A	0.389			2012	L
E26E-30-SF	Carter Cove						
Shellfishing	Fecal Coliform	4A	0.039			2002	L
E26E-33-SF	Whitehouse Creek						
Shellfishing	Fecal Coliform	4A	0.050			2002	L
E26E-35-SF	Davis Creek						
Shellfishing	Fecal Coliform	4A	0.029			2002	L
E26E-39-SF	Roane Cove of Locklies Creek						
Shellfishing	Fecal Coliform	4A	0.034			2014	L
E26E-42-SF	Hunting Creek						
Shellfishing	Fecal Coliform	4A	0.020			2008	L
E26E-46-SF	Eastern Branch Carter Creek						
Shellfishing	Fecal Coliform	4A	0.031			2002	L
E26E-48-SF	Taylor Creek						
Shellfishing	Fecal Coliform	4A	0.024			2008	L
E26E-49-SF	Moran Creek						
Shellfishing	Fecal Coliform	4A	0.049			2008	L
E26E-51-SF	Eastern Branch Corrotoman River, UT						
Shellfishing	Fecal Coliform	4A	0.010			2008	L
E26E-53-SF	John Creek						
Shellfishing	Fecal Coliform	4A	0.036			2008	L
E26E-54-SF	Lowrey Creek						
Shellfishing	Fecal Coliform	4A	0.028			2008	L
E26R-01-BAC	Belwood Swamp and Tributaries						
Recreation	Escherichia coli	4A			24.54	2012	L
E26R-04-BAC	Browns Creek						
Recreation	Escherichia coli	4A			2.58	2008	L
E26R-05-BAC	Little Branch						
Recreation	Escherichia coli	4A			0.63	2014	L

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Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
RPPMH-DO-BAY	Rappahannock River						
Aquatic Life	Oxygen, Dissolved	4D	19.284			1998	L
	Oxygen, Dissolved	4A	75.146			1998	L
Deep-Channel Seasonal Refuge	Oxygen, Dissolved	4A	75.146			1998	L
Deep-Water Aquatic Life	Oxygen, Dissolved	4D	82.465			1998	L
Open-Water Aquatic Life	Oxygen, Dissolved	4D	94.430			1998	L
RPPMH-SAV-BAY	Rappahannock River						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	0.504			2006	L
	Aquatic Plants (Macrophytes)	4A	0.020			2010	L
	Aquatic Plants (Macrophytes)	4A	123.051			2014	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	0.504			2006	L
	Aquatic Plants (Macrophytes)	4A	0.020			2010	L
	Aquatic Plants (Macrophytes)	4A	123.051			2014	L

VA DEQ is transitioning from Fecal Coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreation Use.

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

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Roanoke and Yadkin River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
L01R-01-BAC	Roanoke River, South Fork and Goose Creek						
Recreation	Escherichia coli	4A			2.30	2012	L
	Escherichia coli	4A			11.04	2012	L
	Escherichia coli	4A			3.00	2016	L
	Escherichia coli	4A			3.27	2016	L
L01R-01-BEN	Smith Creek, UT (XMV)						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			1.61	2010	L
L02R-01-BAC	Roanoke River, North Fork						
Recreation	Escherichia coli	4A			6.93	2006	L
	Escherichia coli	4A			9.16	2012	L
L02R-02-BAC	Wilson Creek and Wilson Creek, UT						
Recreation	Escherichia coli	4A			6.99	2004	L
L02R-03-BAC	Bradshaw Creek						
Recreation	Escherichia coli	4A			10.36	2010	L
L04R-01-BAC	Roanoke River and Smith Mountain Lake						
Recreation	Escherichia coli	4A			14.29	2006	L
	Escherichia coli	4A		165.29	15.27	2006	L
L04R-01-BEN	Roanoke River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.34	1996	L
	Benthic-Macroinvertebrate Bioassessments	4A			1.47	1996	L
L04R-02-BAC	Mud Lick Creek						
Recreation	Escherichia coli	4A			7.61	2006	L
L04R-02-BEN	Mud Lick Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			7.61	2008	L
L04R-04-BAC	Ore Branch						
Recreation	Escherichia coli	4A			2.55	2006	L
L04R-04-BEN	Ore Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			2.55	2014	L
L04R-05-BAC	Mason Creek						
Recreation	Escherichia coli	4A			7.72	2006	L
L04R-05-BEN	Mason Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			7.72	2008	L
L04R-06-BAC	Peters Creek						
Recreation	Escherichia coli	4A			7.20	2006	L
L04R-06-BEN	Barnhardt Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			5.31	2012	L

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Roanoke and Yadkin River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
L04R-07-BAC	Murray Run						
Recreation	Fecal Coliform	4A			3.57	2004	L
L04R-07-BEN	Murray Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.57	2012	L
L04R-08-BEN	Gish Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			2.40	2014	L
L04R-09-BEN	Peters Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			7.20	2016	L
L05R-01-BAC	Tinker Creek						
Recreation	Escherichia coli	4A			19.58	2006	L
L05R-02-BAC	Carvin Creek						
Recreation	Escherichia coli	4A			1.83	2004	L
	Escherichia coli	4A			3.62	2006	L
L05R-03-BAC	Glade Creek						
Recreation	Escherichia coli	4A			12.95	2006	L
L05R-04-BAC	Lick Run						
Recreation	Escherichia coli	4A			9.64	2004	L
L05R-05-BAC	Laymantown Creek						
Recreation	Escherichia coli	4A			2.11	2006	L
L07R-01-BAC	Beaverdam Creek						
Recreation	Escherichia coli	4A			4.98	2006	L
L08R-01-BAC	Green Creek						
Recreation	Escherichia coli	4A			4.09	2008	L
L08R-02-BAC	Blackwater River, South Fork						
Recreation	Escherichia coli	4A			6.20	2004	L
L08R-03-BAC	Blackwater River, North Fork						
Recreation	Escherichia coli	4A			3.21	2004	L
	Escherichia coli	4A			9.23	2006	L
L08R-03-BEN	Blackwater River, North Fork						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.21	1996	L
L08R-04-BAC	Blackwater River (Upper)						
Recreation	Escherichia coli	4A			28.26	2004	L
L08R-04-BEN	Blackwater River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			5.61	1996	L

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Roanoke and Yadkin River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
L08R-05-BAC	Little Creek and Little Creek, UT (XKF)						
Recreation	Escherichia coli	4A			7.85	2004	L
	Escherichia coli	4A			1.04	2006	L
L08R-06-BAC	Teels Creek						
Recreation	Escherichia coli	4A			4.76	2004	L
L08R-07-BAC	Buck Run						
Recreation	Escherichia coli	4A			3.77	2014	L
L09R-01-BAC	Maggodee Creek						
Recreation	Escherichia coli	4A			15.16	2004	L
	Escherichia coli	4A			0.99	2006	L
	Escherichia coli	4A			4.43	2012	L
L09R-02-BAC	Mollie Branch						
Recreation	Escherichia coli	4A			0.91	2004	L
	Escherichia coli	4A			1.83	2006	L
L10R-01-BAC	Blackwater River (Lower), Foul Ground Creek and Smith Mountain Lake (Blackwater Riverine)						
Recreation	Fecal Coliform	4A			4.19	2004	L
	Escherichia coli	4A			3.02	2004	L
	Escherichia coli	4A		114.22	8.19	2006	L
L11R-01-BAC	Gills Creek						
Recreation	Escherichia coli	4A		197.42	9.24	2004	L
	Escherichia coli	4A			11.22	2010	L
L12L-01-PCB	Roanoke River, Tinker Creek and Peters Creek.						
Fish Consumption	PCB in Fish Tissue	4A			28.61	2002	L
	PCB in Fish Tissue	4A			2.58	2004	L
	PCB in Fish Tissue	4A			5.37	2006	L
	PCB in Water Column	4A			12.11	2010	L
Public Water Supply	PCB in Water Column	4A			1.63	2010	L
Wildlife	PCB in Water Column	4A			12.11	2010	L
L12L-02-PCB	Roanoke River, Blackwater River and Smith Mountain Lake.						
Fish Consumption	PCB in Fish Tissue	4A		2,710.00	3.16	2002	L
	PCB in Fish Tissue	4A		17,104.24	11.21	2006	L
	PCB in Water Column	4A			3.16	2010	L
Public Water Supply	PCB in Water Column	4A			3.16	2010	L
Wildlife	PCB in Water Column	4A			3.16	2010	L
L13L-02-BAC	Leesville Lake (Pigg River)						
Recreation	Escherichia coli	4A		158.36		2006	L
L13R-01-BAC	Old Womans Creek						
Recreation	Escherichia coli	4A			4.90	2006	L

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Roanoke and Yadkin River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
L14R-01-BAC	Pigg River and Doe Run						
Recreation	Fecal Coliform	4A			5.68	2006	L
	Escherichia coli	4A			23.89	2006	L
	Escherichia coli	4A			10.92	2008	L
	Escherichia coli	4A			1.94	2016	L
	Escherichia coli	4A			1.01	2016	L
L14R-02-BAC	Storey Creek						
Recreation	Escherichia coli	4A			11.86	2006	L
L15R-01-BAC	Big Chestnut Creek						
Recreation	Escherichia coli	4A			12.43	2006	L
	Escherichia coli	4A			6.77	2016	L
L17R-01-BAC	Snow Creek and Turkeycock Creek						
Recreation	Escherichia coli	4A			10.95	2006	L
	Escherichia coli	4A			6.46	2008	L
	Escherichia coli	4A			6.49	2012	L
L17R-02-BAC	Poplar Branch						
Recreation	Escherichia coli	4A			2.53	2016	L
L18R-01-BAC	Pigg River						
Recreation	Escherichia coli	4A			13.36	2006	L
	Escherichia coli	4A			15.59	2006	L
L18R-02-BAC	Harpen Creek						
Recreation	Escherichia coli	4A			5.35	2006	L
L18R-03-BAC	Tomahawk Creek						
Recreation	Escherichia coli	4A			4.58	2006	L
L18R-04-BAC	Fryingpan Creek						
Recreation	Escherichia coli	4A			2.56	2016	L
L19R-01-BAC	Roanoke (Staunton) River						
Recreation	Escherichia coli	4A			3.82	2006	L
	Escherichia coli	4A			39.35	2006	L
	Escherichia coli	4A			3.15	2008	L
L19R-01-PCB	Roanoke (Staunton) River, Cub Creek						
Fish Consumption	PCB in Fish Tissue	4A			24.54	1998	L
	PCB in Fish Tissue	4A			63.17	2002	L
	PCB in Fish Tissue	4A			14.38	2008	L
	PCB in Water Column	4A			73.72	2010	L
Public Water Supply	PCB in Water Column	4A			73.72	2010	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Roanoke and Yadkin River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
L19R-02-BAC	Lynch Creek						
Recreation	Escherichia coli	4A			3.53	2008	L
	Escherichia coli	4A			0.37	2010	L
L20R-01-BAC	Goose Creek						
Recreation	Escherichia coli	4A			6.93	2006	L
L21R-01-BAC	Goose Creek						
Recreation	Escherichia coli	4A			7.24	2008	L
L21R-02-BAC	Wolf Creek						
Recreation	Escherichia coli	4A			7.13	2008	L
L21R-03-BAC	Bore Auger Creek						
Recreation	Escherichia coli	4A			9.56	2012	L
L21R-04-BAC	Stony Fork						
Recreation	Escherichia coli	4A			13.17	2012	L
L22R-01-BAC	Goose Creek						
Recreation	Escherichia coli	4A			11.11	2012	L
L22R-02-BAC	Mill Creek						
Recreation	Escherichia coli	4A			5.26	2010	L
L22R-03-BAC	Hunting Creek						
Recreation	Escherichia coli	4A			2.63	2010	L
L22R-04-BAC	Carter Mill Creek						
Recreation	Escherichia coli	4A			7.26	2012	L
L23R-01-BAC	Big Otter River and Sheeps Creek						
Recreation	Escherichia coli	4A			9.62	2006	L
	Escherichia coli	4A			8.13	2010	L
L23R-02-BAC	Stony Creek						
Recreation	Escherichia coli	4A			4.37	2010	L
L25R-01-BAC	Big Otter River, Elk Creek and North Otter Creek						
Recreation	Fecal Coliform	4A			7.33	2004	L
	Escherichia coli	4A			4.49	2008	L
	Escherichia coli	4A			20.35	2008	L
	Escherichia coli	4A			6.80	2010	L
L26R-01-BAC	Little Otter River and Machine Creek						
Recreation	Escherichia coli	4A			7.44	2008	L
	Escherichia coli	4A			31.78	2010	L
L26R-01-PCB	Little Otter River						
Fish Consumption	PCB in Fish Tissue	4A			14.61	2002	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Roanoke and Yadkin River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
L26R-02-BAC	Johns Creek						
Recreation	Escherichia coli	4A			2.24	2014	L
L26R-03-BAC	Wells Creek						
Recreation	Escherichia coli	4A			3.93	2014	L
L27R-01-BAC	Big Otter River and Falling Creek						
Recreation	Fecal Coliform	4A			5.92	2004	L
	Escherichia coli	4A			5.37	2010	L
L27R-01-BEN	Buffalo Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			8.53	2008	L
L27R-02-BAC	Buffalo Creek						
Recreation	Escherichia coli	4A			8.53	2006	L
L28R-01-BAC	Big Otter River						
Recreation	Escherichia coli	4A			9.45	2010	L
	Escherichia coli	4A			4.56	2016	L
L30R-01-BAC	Buffalo Creek						
Recreation	Escherichia coli	4A			10.23	2008	L
L30R-02-BAC	Childrey Creek						
Recreation	Escherichia coli	4A			14.53	2006	L
L30R-03-BAC	Straightstone Creek						
Recreation	Escherichia coli	4A			8.75	2006	L
L30R-04-BAC	Whipping Creek						
Recreation	Escherichia coli	4A			13.90	2006	L
L30R-05-BAC	Little Straightstone Creek						
Recreation	Escherichia coli	4A			7.57	2006	L
L32R-01-BAC	Falling River						
Recreation	Escherichia coli	4A			18.17	2006	L
L33R-01-BAC	Button Creek						
Recreation	Escherichia coli	4A			7.86	2006	L
L33R-02-BAC	South Fork Falling River						
Recreation	Escherichia coli	4A			16.78	2006	L
L34R-01-BAC	Falling River						
Recreation	Escherichia coli	4A			7.36	2006	L
	Escherichia coli	4A			2.85	2006	L
	Escherichia coli	4A			7.64	2006	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Roanoke and Yadkin River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
L34R-02-BAC	Little Falling River						
Recreation	Escherichia coli	4A			9.71	2006	L
	Escherichia coli	4A			4.41	2012	L
	Escherichia coli	4A			1.81	2014	L
L34R-03-BAC	Suck Creek						
Recreation	Escherichia coli	4A			8.49	2006	L
L34R-04-BAC	Entry Creek						
Recreation	Escherichia coli	4A			4.73	2008	L
L34R-05-BAC	Hickory Creek						
Recreation	Escherichia coli	4A			2.76	2010	L
L34R-06-BAC	Dog Creek						
Recreation	Escherichia coli	4A			2.66	2010	L
L35R-01-BAC	Mollys Creek						
Recreation	Escherichia coli	4A			17.58	2006	L
L36R-01-BAC	Turnip Creek						
Recreation	Escherichia coli	4A			17.13	2006	L
	Escherichia coli	4A			2.61	2006	L
L36R-03-BAC	Buckskin Creek						
Recreation	Escherichia coli	4A			7.65	2008	L
L36R-04-BAC	Armistead Branch						
Recreation	Escherichia coli	4A			3.20	2010	L
	Escherichia coli	4A			1.92	2014	L
L37R-01-BAC	Cub Creek						
Recreation	Escherichia coli	4A			8.80	2006	L
	Escherichia coli	4A			5.58	2008	L
L37R-02-BAC	Louse Creek						
Recreation	Escherichia coli	4A			8.70	2006	L
L37R-03-BAC	Big Cub Creek						
Recreation	Escherichia coli	4A			33.68	2006	L
L37R-05-BAC	Terrys Creek						
Recreation	Escherichia coli	4A			7.14	2008	L
L38R-02-BAC	Black Walnut Creek						
Recreation	Escherichia coli	4A			6.39	2014	L
L38R-03-BAC	Hunting Creek						
Recreation	Escherichia coli	4A			3.24	2014	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Roanoke and Yadkin River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
L39R-01-BAC	Ash Camp Creek						
Recreation	Fecal Coliform	4A			8.18	2004	L
L39R-01-BEN	Ash Camp Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			8.18	1998	L
L39R-02-BAC	Twittys Creek						
Recreation	Escherichia coli	4A			14.79	2012	L
L39R-02-BEN	Twittys Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			14.79	1998	L
L39R-03-BAC	Horsepen Creek						
Recreation	Escherichia coli	4A			1.86	2012	L
L39R-04-BAC	Wards Fork Creek						
Recreation	Escherichia coli	4A			5.30	2008	L
L39R-05-BAC	Roanoke Creek						
Recreation	Escherichia coli	4A			2.65	2006	L
	Escherichia coli	4A			7.85	2010	L
L39R-06-BAC	Middle Branch Wards Fork Creek						
Recreation	Escherichia coli	4A			7.39	2008	L
L40R-01-BAC	Berles Creek						
Recreation	Escherichia coli	4A			2.28	2006	L
L40R-04-BAC	Sandy Creek						
Recreation	Escherichia coli	4A			5.41	2012	L
L40R-05-BAC	Unnamed Tributary to Buffalo Creek						
Recreation	Escherichia coli	4A			1.49	2002	L
L40R-06-BAC	Buffalo Creek						
Recreation	Escherichia coli	4A			2.35	2006	L
L40R-07-BAC	Cargills Creek						
Recreation	Escherichia coli	4A			4.27	2008	L
L41R-01-BAC	Difficult Creek						
Recreation	Escherichia coli	4A			7.00	2008	L
L42R-01-BAC	Little Dan River						
Recreation	Escherichia coli	4A			7.26	2008	L
L42R-02-BAC	Dan River						
Recreation	Escherichia coli	4A			8.45	2012	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Roanoke and Yadkin River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
L42R-03-BAC	Elk Creek						
Recreation	Escherichia coli	4A			7.78	2012	L
L42R-04-BAC	Peters Creek						
Recreation	Escherichia coli	4A			5.96	2012	L
L42R-05-BAC	Dan River						
Recreation	Escherichia coli	4A			15.47	2014	L
L43R-01-BAC	South Mayo River						
Recreation	Escherichia coli	4A			16.80	2008	L
	Escherichia coli	4A			20.67	2010	L
L43R-02-BAC	Russell Creek						
Recreation	Escherichia coli	4A			8.51	2012	L
L44R-01-BAC	Spoon Creek						
Recreation	Escherichia coli	4A			8.17	2006	L
L46R-01-BAC	North Mayo River						
Recreation	Fecal Coliform	4A			12.58	2004	L
	Escherichia coli	4A			10.34	2008	L
L47R-01-BAC	Horse Pasture Creek						
Recreation	Escherichia coli	4A			7.44	2006	L
L48R-01-BAC	Mayo River						
Recreation	Escherichia coli	4A			4.28	2016	L
L50R-01-BAC	Smith River and Sycamore Creek						
Recreation	Escherichia coli	4A			15.63	2012	L
L51R-01-BAC	Goblintown Creek						
Recreation	Escherichia coli	4A			6.80	2014	L
L51R-02-BAC	Shooting Creek						
Recreation	Escherichia coli	4A			7.32	2014	L
L51R-03-BAC	Nicholas Creek						
Recreation	Escherichia coli	4A			5.40	2016	L
L51R-04-BAC	Rennet Bag Creek						
Recreation	Escherichia coli	4A			11.54	2016	L
L52R-01-BAC	Smith River						
Recreation	Escherichia coli	4A			3.31	2006	L
	Escherichia coli	4A			6.99	2008	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Roanoke and Yadkin River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
L52R-02-BAC	Blackberry Creek and Blackberry, UTs						
Recreation	Escherichia coli	4A			6.69	2004	L
	Escherichia coli	4A			8.80	2004	L
L52R-03-BAC	Town Creek						
Recreation	Escherichia coli	4A			1.88	2012	L
L53L-01-BAC	Martinsville (Beaver Creek) Reservoir						
Recreation	Escherichia coli	4A		182.28		2010	L
L53R-01-BEN	Smith River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.74	2008	L
	Benthic-Macroinvertebrate Bioassessments	4A			2.25	2014	L
L53R-02-BAC	Jordan Creek						
Recreation	Escherichia coli	4A			6.00	2006	L
L53R-03-BAC	Beaver Creek						
Recreation	Escherichia coli	4A			5.30	2006	L
	Escherichia coli	4A			6.97	2016	L
L53R-04-BAC	Reed Creek						
Recreation	Escherichia coli	4A			4.13	2008	L
L53R-05-BAC	Daniels Creek						
Recreation	Escherichia coli	4A			3.99	2016	L
L53R-06-BAC	Jones Creek, UT (XMP)						
Recreation	Escherichia coli	4A			2.00	2016	L
L54R-01-BAC	Smith River						
Recreation	Escherichia coli	4A			10.06	2008	L
	Escherichia coli	4A			6.30	2008	L
	Escherichia coli	4A			3.65	2008	L
L54R-01-BEN	Smith River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			10.06	1998	L
	Benthic-Macroinvertebrate Bioassessments	4A			3.65	2004	L
L54R-02-BAC	Mulberry Creek						
Recreation	Escherichia coli	4A			2.60	2016	L
L54R-03-BAC	Machine Branch						
Recreation	Escherichia coli	4A			0.68	2016	L
L55R-01-BAC	Marrowbone Creek						
Recreation	Escherichia coli	4A			4.47	2008	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Roanoke and Yadkin River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
L56R-01-BAC	Leatherwood Creek and Headwater Tributaries						
Recreation	Escherichia coli	4A			25.33	2006	L
	Escherichia coli	4A			8.45	2008	L
L56R-02-BAC	West Fork Leatherwood Creek						
Recreation	Escherichia coli	4A			23.45	2012	L
L57R-01-BAC	Dan River						
Recreation	Escherichia coli	4A			7.36	2006	L
L57R-04-BAC	Cascade Creek						
Recreation	Escherichia coli	4A			11.81	2006	L
L58R-01-BAC	Sandy River						
Recreation	Escherichia coli	4A			7.22	2010	L
L58R-02-BAC	Tanyard Creek						
Recreation	Escherichia coli	4A			2.85	2006	L
L58R-04-BAC	Sandy River						
Recreation	Escherichia coli	4A			10.78	2006	L
L58R-05-BAC	Sugartree Creek						
Recreation	Escherichia coli	4A			6.96	2008	L
L58R-06-BAC	Stewart Creek						
Recreation	Escherichia coli	4A			7.34	2008	L
L59R-01-BAC	Sandy Creek						
Recreation	Escherichia coli	4A			9.48	2008	L
L60R-01-BAC	Dan River						
Recreation	Escherichia coli	4A			35.10	1998	L
	Escherichia coli	4A			1.83	2004	L
L60R-02-BAC	Pumpkin Creek						
Recreation	Escherichia coli	4A			4.28	2006	L
L60R-03-BAC	Cane Creek						
Recreation	Escherichia coli	4A			12.25	2008	L
L61R-01-BAC	Fall Creek						
Recreation	Escherichia coli	4A			11.97	2008	L
L61R-02-BAC	Lawless Creek						
Recreation	Escherichia coli	4A			4.71	2014	L
L62R-03-BAC	Double Creek						
Recreation	Escherichia coli	4A			8.88	2008	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Roanoke and Yadkin River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
L62R-04-BAC	Byrds Branch						
Recreation	Escherichia coli	4A			3.76	2008	L
L62R-05-BAC	Big Toby Creek						
Recreation	Escherichia coli	4A			7.56	2008	L
L62R-06-BAC	Powells Creek						
Recreation	Escherichia coli	4A			4.63	2008	L
L62R-08-BAC	Sandy Creek						
Recreation	Escherichia coli	4A			9.41	2012	L
L62R-09-BAC	Winns Creek						
Recreation	Escherichia coli	4A			7.11	2016	L
L62R-10-BAC	Sandy Creek, Unnamed Tributary						
Recreation	Escherichia coli	4A			2.29	2016	L
L63R-01-BAC	Birch Creek						
Recreation	Escherichia coli	4A			20.15	2004	L
L63R-02-BAC	Unnamed Tributary to Birch Creek						
Recreation	Escherichia coli	4A			5.35	2006	L
L63R-03-BAC	Germy Creek						
Recreation	Escherichia coli	4A			5.36	2014	L
L64R-01-BAC	Lawsons Creek						
Recreation	Escherichia coli	4A			8.26	2008	L
	Escherichia coli	4A			7.27	2012	L
L64R-02-BAC	Miry Creek						
Recreation	Escherichia coli	4A			1.11	2006	L
L64R-06-BAC	Stokes Creek						
Recreation	Escherichia coli	4A			6.35	2014	L
L65R-01-BAC	Banister River						
Recreation	Escherichia coli	4A			6.79	2008	L
	Escherichia coli	4A			5.09	2010	L
L65R-02-BAC	Bearskin Creek						
Recreation	Escherichia coli	4A			9.57	2006	L
L65R-03-BAC	White Oak Creek						
Recreation	Escherichia coli	4A			6.36	2010	L
L66R-01-BAC	Cherrystone Creek						
Recreation	Escherichia coli	4A			5.96	2008	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Roanoke and Yadkin River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
L66R-02-BAC	Little Cherrystone Creek						
Recreation	Escherichia coli	4A			4.83	2008	L
L66R-03-BAC	Pole Bridge Branch						
Recreation	Escherichia coli	4A			5.01	2010	L
L67R-01-BAC	Banister River						
Recreation	Escherichia coli	4A			13.09	2004	L
	Escherichia coli	4A			9.30	2012	L
	Escherichia coli	4A			16.87	2016	L
L67R-02-BAC	Allen Creek						
Recreation	Escherichia coli	4A			6.02	2008	L
L67R-04-BAC	Bradley Creek						
Recreation	Escherichia coli	4A			6.46	2014	L
L67R-05-BAC	Bye Creek						
Recreation	Escherichia coli	4A			7.29	2014	L
L68R-01-BAC	Whitehorn Creek						
Recreation	Escherichia coli	4A			15.10	2006	L
	Escherichia coli	4A			0.78	2006	L
L69R-01-BAC	Stinking River						
Recreation	Escherichia coli	4A			14.15	2008	L
L70R-01-BAC	Sandy Creek						
Recreation	Escherichia coli	4A			5.89	2010	L
	Escherichia coli	4A			14.56	2014	L
L71R-04-BAC	Banister River						
Recreation	Escherichia coli	4A			2.33	2008	L
	Escherichia coli	4A			9.64	2012	L
L71R-05-BAC	Polecat Creek						
Recreation	Escherichia coli	4A			9.70	2010	L
L71R-06-BAC	Winn Creek						
Recreation	Escherichia coli	4A			7.09	2008	L
L71R-07-BAC	Gibson Creek						
Recreation	Escherichia coli	4A			5.38	2014	L
L73R-01-BAC	Aarons Creek						
Recreation	Escherichia coli	4A			9.40	2016	L
L73R-02-BAC	North Fork Aarons Creek						
Recreation	Escherichia coli	4A			9.75	2012	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Roanoke and Yadkin River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
L73R-03-BAC	Peter Creek						
Recreation	Escherichia coli	4A			6.61	2016	L
L74R-01-BAC	Hyco River						
Recreation	Escherichia coli	4A			17.48	2006	L
	Escherichia coli	4A			6.12	2008	L
L74R-03-BAC	Coleman Creek						
Recreation	Escherichia coli	4A			8.48	2008	L
L74R-03-BEN	Coleman Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			8.48	2008	L
L74R-04-BAC	Big Bluewing Creek						
Recreation	Escherichia coli	4A			11.23	2008	L
L74R-06-BAC	Mayo Creek						
Recreation	Escherichia coli	4A			4.93	2016	L
L74R-07-BAC	Powells Creek						
Recreation	Escherichia coli	4A			4.65	2016	L
L75R-03-BAC	Beech Creek						
Recreation	Escherichia coli	4A			4.69	2008	L
L79R-01-BAC	Flat Creek						
Recreation	Escherichia coli	4A			6.23	2006	L
	Escherichia coli	4A			1.69	2006	L
	Escherichia coli	4A			1.41	2016	L
L79R-01-BEN	Flat Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			7.64	1996	L
	Benthic-Macroinvertebrate Bioassessments	4A			1.69	2008	L
L80R-01-BAC	Great Creek						
Recreation	Escherichia coli	4A			6.68	2006	L
L80R-02-BAC	Hagood Creek						
Recreation	Escherichia coli	4A			6.80	2008	L
L80R-03-BAC	Long Branch						
Recreation	Escherichia coli	4A			2.08	2008	L

VA DEQ is transitioning from Fecal Coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreation Use.

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

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Chowan River and Dismal Swamp Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
K01R-01-BAC	Middle Meherrin River						
Recreation	Escherichia coli	4A			7.15	2010	L
	Escherichia coli	4A			11.25	2014	L
K01R-02-BAC	South Meherrin River						
Recreation	Escherichia coli	4A			7.10	2006	L
K02R-01-BAC	North Meherrin River						
Recreation	Escherichia coli	4A			7.54	2006	L
K02R-02-BAC	Big Juniper Creek						
Recreation	Escherichia coli	4A			6.68	2006	L
K02R-04-BAC	Reedy Creek						
Recreation	Escherichia coli	4A			10.40	2008	L
K02R-05-BAC	Ledbetter Creek						
Recreation	Escherichia coli	4A			9.08	2010	L
K02R-06-BAC	Couches Creek						
Recreation	Escherichia coli	4A			7.37	2014	L
K03R-01-BAC	Flat Rock Creek						
Recreation	Escherichia coli	4A			5.63	2006	L
	Escherichia coli	4A			10.36	2010	L
K03R-03-BAC	Broad Branch						
Recreation	Escherichia coli	4A			3.53	2006	L
K03R-04-BAC	Meherrin River						
Recreation	Escherichia coli	4A			3.17	2008	L
	Escherichia coli	4A			8.26	2012	L
K03R-05-BAC	Flat Rock Creek, UT						
Recreation	Escherichia coli	4A			3.44	2008	L
K04R-01-BAC	Stony Creek						
Recreation	Escherichia coli	4A			14.24	2010	L
K04R-02-BAC	Shining Creek						
Recreation	Escherichia coli	4A			7.74	2010	L
K04R-03-BAC	Taylors Creek						
Recreation	Escherichia coli	4A			10.35	2010	L
K04R-04-BAC	Meherrin River						
Recreation	Escherichia coli	4A			6.95	2010	L
K05R-01-BAC	Genito Creek						
Recreation	Escherichia coli	4A			8.13	2006	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Chowan River and Dismal Swamp Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
K05R-02-BAC	Meherrin River						
Recreation	Escherichia coli	4A			26.20	2006	L
K05R-03-BAC	Briery Branch						
Recreation	Escherichia coli	4A			4.01	2010	L
K05R-04-BAC	Hicks Creek						
Recreation	Escherichia coli	4A			7.37	2010	L
K05R-07-BAC	Evans Creek						
Recreation	Escherichia coli	4A			11.72	2010	L
K05R-08-BAC	Totaro Creek						
Recreation	Escherichia coli	4A			5.33	2010	L
K05R-09-BAC	Allen Creek						
Recreation	Escherichia coli	4A			6.96	2016	L
K06R-02-BAC	Great Creek						
Recreation	Escherichia coli	4A			8.62	2006	L
	Escherichia coli	4A			2.82	2008	L
K06R-03-BAC	Stevens Branch						
Recreation	Escherichia coli	4A			4.30	2010	L
K06R-04-BAC	Tea Branch						
Recreation	Escherichia coli	4A			3.24	2010	L
K06R-05-BAC	Great Creek, UT (XHQ)						
Recreation	Escherichia coli	4A			2.12	2010	L
K07R-02-BAC	Roses Creek						
Recreation	Escherichia coli	4A			9.85	2006	L
K07R-03-BAC	Rocky Run						
Recreation	Escherichia coli	4A			21.27	2010	L
K07R-04-BAC	Roses Creek						
Recreation	Escherichia coli	4A			1.95	2010	L
K08R-02-BAC	Robinson Creek						
Recreation	Escherichia coli	4A			6.07	2010	L
K10R-02-BAC	Fontaine Creek (Fountains Creek)						
Recreation	Escherichia coli	4A			0.56	2010	L
K10R-03-BAC	Quarrel Creek (Nested)						
Recreation	Escherichia coli	4A			3.34	2016	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Chowan River and Dismal Swamp Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
K11R-03-BAC	Cattail Creek						
Recreation	Escherichia coli	4A			5.33	2010	L
K12R-01-BAC	Fontaine Creek						
Recreation	Escherichia coli	4A			14.48	2006	L
K13R-01-BAC	Tarrara Creek						
Recreation	Escherichia coli	4A			14.49	2008	L
K14R-01-BAC	Nottoway River						
Recreation	Escherichia coli	4A			4.19	2006	L
	Escherichia coli	4A			13.35	2006	L
K14R-02-BAC	Big Hounds Creek						
Recreation	Escherichia coli	4A			10.34	2006	L
K15R-01-BAC	Little Nottoway River						
Recreation	Escherichia coli	4A			9.97	2006	L
K15R-02-BAC	Carys Creek						
Recreation	Escherichia coli	4A			6.34	2006	L
K15R-03-BAC	Lazaretto Creek						
Recreation	Escherichia coli	4A			4.97	2010	L
K15R-05-BAC	Whetstone Creek						
Recreation	Escherichia coli	4A			8.41	2014	L
K16R-01-BEN	Unnamed Tributary to Hurricane Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			1.07	1994	L
	Benthic-Macroinvertebrate Bioassessments	4A			2.10	2008	L
K16R-02-BAC	Beaver Pond Creek						
Recreation	Escherichia coli	4A			7.43	2004	L
K23R-03-BAC	Nebletts Mill Run, UT (XDV)						
Recreation	Escherichia coli	4A			1.78	2006	L
K25R-02-BAC	Raccoon Creek						
Recreation	Escherichia coli	4A			19.90	2008	L
K26R-02-BAC	Three Creek						
Recreation	Escherichia coli	4A			5.43	2006	L
K26R-04-BAC	Maclins Creek						
Recreation	Escherichia coli	4A			8.80	2012	L
K27R-02-BAC	Three Creek - Lower & Upper						
Recreation	Escherichia coli	4A			10.67	2002	L
	Escherichia coli	4A			9.17	2006	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Chowan River and Dismal Swamp Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
K28R-01-BAC	Mill Swamp						
Recreation	Escherichia coli	4A			10.49	2006	L
K29R-01-BAC	Seacorrie, German, XDW and XDX						
Recreation	Escherichia coli	4A			10.54	2006	L
	Escherichia coli	4A			2.62	2010	L
K29R-04-BAC	XGS - Assamoosick Swamp, UT						
Recreation	Escherichia coli	4A			2.36	2010	L
K30R-01-BAC	Darden Mill Run						
Recreation	Escherichia coli	4A			10.72	2006	L
K31R-01-BAC	Blackwater Swamp, Warwick Swamp						
Recreation	Escherichia coli	4A			22.90	2006	L
	Escherichia coli	4A			13.21	2008	L
K31R-02-BAC	Second Swamp						
Recreation	Escherichia coli	4A			9.52	2010	L
K31R-04-BAC	Warwick Swamp						
Recreation	Escherichia coli	4A			3.02	2010	L
K31R-05-BAC	North Fork Blackwater Swamp						
Recreation	Escherichia coli	4A			6.11	2010	L
K31R-08-BAC	XHO - Warwick Swamp, UT						
Recreation	Escherichia coli	4A			2.42	2012	L
K31R-09-BAC	XGX - Warwick Swamp, UT						
Recreation	Escherichia coli	4A			2.22	2012	L
K32R-01-BAC	Blackwater River						
Recreation	Escherichia coli	4A			23.94	2006	L
	Escherichia coli	4A			2.32	2008	L
K32R-02-BAC	Spring Branch						
Recreation	Escherichia coli	4A			4.15	2012	L
K32R-02-BEN	Spring Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.15	1998	L
K32R-02-PH	Spring Branch						
Aquatic Life	pH	4A			4.15	2008	L
K32R-04-BAC	Otterdam Swamp						
Recreation	Escherichia coli	4A			5.86	2006	L
	Escherichia coli	4A			7.44	2016	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Chowan River and Dismal Swamp Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
K32R-05-BAC	Coppahaunk Swamp, UT - XDT						
Recreation	Escherichia coli	4A			0.91	2006	L
K32R-07-BAC	Cypress Swamp Tributaries						
Recreation	Escherichia coli	4A			143.62	2006	L
K32R-08-BAC	Cypress Swamp						
Recreation	Escherichia coli	4A			17.06	2006	L
K32R-11-BAC	XDR - UT to Otterdam Swamp						
Recreation	Escherichia coli	4A			2.61	2010	L
K32R-15-BAC	Spring Branch, UT (XAW)						
Recreation	Escherichia coli	4A			1.07	2010	L
K32R-16-BAC	Spring Branch, UT (XAL)						
Recreation	Escherichia coli	4A			0.72	2012	L
K34R-01-BAC	Mill Swamp						
Recreation	Escherichia coli	4A			8.44	2010	L
K34R-02-BAC	Rattlesnake Swamp						
Recreation	Escherichia coli	4A			6.42	2010	L
K40R-01-DO	Unnamed tributary to Northwest River						
Aquatic Life	Oxygen, Dissolved	4A			4.06	2002	L
K40R-02-DO	Northwest River (Upper, Middle, Lower & Mouth)						
Aquatic Life	Oxygen, Dissolved	4A			15.71	1998	L
	Oxygen, Dissolved	4A			0.70	2010	L
K40R-06-DO	Indian Creek tributary to Northwest River						
Aquatic Life	Oxygen, Dissolved	4A			3.46	2002	L
K41R-01-DO	Pocaty River						
Aquatic Life	Oxygen, Dissolved	4A			7.43	2002	L
K41R-02-BAC	Milldam Creek - Lower						
Recreation	Escherichia coli	4A			2.54	1998	M
K41R-03-DO	Albemarle Canal & North Landing River - Middle						
Aquatic Life	Oxygen, Dissolved	4A			8.55	2002	L
	Oxygen, Dissolved	4A			2.15	2006	L
K41R-04-BAC	North Landing River - Middle						
Recreation	Escherichia coli	4A			1.38	2008	L
K41R-05-BAC	West Neck Creek - Middle						
Recreation	Escherichia coli	4A			2.74	2002	M

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Chowan River and Dismal Swamp Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
K41R-09-BAC	Pocaty River						
Recreation	Escherichia coli	4A			7.43	2012	L
K42E-01-BAC	Nawney Creek - Upper						
Recreation	Enterococcus	4A	0.016			2004	M
K42E-02-BAC	Nawney Creek - Lower						
Recreation	Enterococcus	4A	0.017			2006	M
K42E-04-BAC	Muddy Creek						
Recreation	Enterococcus	4A	0.026			2004	L
K42E-05-BAC	Beggars Bridge Creek						
Recreation	Enterococcus	4A	0.042			2004	L
K42E-06-BAC	Ashville Bridge Creek - Lower						
Recreation	Enterococcus	4A	0.016			2006	L
K42E-06-DO	Ashville Bridge Creek - Lower						
Aquatic Life	Oxygen, Dissolved	4A	0.016			2006	L
K42E-10-BAC	Hell Point Creek - Upper						
Recreation	Enterococcus	4A	0.030			2006	L

VA DEQ is transitioning from Fecal Coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreation Use.

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

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Tennessee and Big Sandy River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
O03R-01-BAC	Middle Fork Holston River						
Recreation	Fecal Coliform	4A			24.09	2002	M
	Escherichia coli	4A			12.59	2004	M
	Fecal Coliform	4A			3.80	2006	M
	Escherichia coli	4A			3.87	2006	M
	Escherichia coli	4A			0.88	2008	M
	Escherichia coli	4A			10.65	2010	M
	Escherichia coli	4A			3.42	2010	M
	Escherichia coli	4A			4.25	2014	M
O03R-01-BEN	Middle Fork Holston River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.42	2010	M
O04R-01-BAC	Hungry Mother Creek						
Recreation	Escherichia coli	4A			4.83	2006	M
O04R-03-BAC	Laurel Springs Creek						
Recreation	Escherichia coli	4A			2.12	2006	M
O04R-04-BAC	Walker Creek						
Recreation	Escherichia coli	4A			13.52	2006	M
O04R-05-BAC	Sulphur Spring Branch and Tributaries						
Recreation	Escherichia coli	4A			11.28	2012	M
O05R-01-BAC	Three Creeks						
Recreation	Escherichia coli	4A			0.49	1996	H
	Fecal Coliform	4A			18.92	2002	H
	Fecal Coliform	4A			1.54	2002	H
	Escherichia coli	4A			10.76	2006	H
O05R-01-BEN	Three Creeks						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			26.07	2004	H
	Benthic-Macroinvertebrate Bioassessments	4A			0.49	2004	H
	Sedimentation/Siltation	4A			23.75	2010	H
O05R-02-BAC	Greenway Creek						
Recreation	Escherichia coli	4A			5.02	2008	H
O05R-02-BEN	Greenway Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			5.02	2010	H
O05R-05-BEN	Middle Fork Holston River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.80	2006	L
	Benthic-Macroinvertebrate Bioassessments	4A			9.19	2008	L

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Tennessee and Big Sandy River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
O06R-01-BAC	Wolf Creek						
Recreation	Fecal Coliform	4A			6.26	2004	M
	Fecal Coliform	4A			0.41	2006	M
	Escherichia coli	4A			3.33	2008	M
	Escherichia coli	4A			3.34	2010	M
	Escherichia coli	4A			2.36	2010	M
	Escherichia coli	4A			2.66	2016	M
O06R-01-BEN	Wolf Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.33	2002	M
	Benthic-Macroinvertebrate Bioassessments	4A			3.34	2006	M
	Sedimentation/Siltation	4A			3.34	2012	M
O06R-04-BAC	Town Creek						
Recreation	Escherichia coli	4A			4.75	2012	L
O07R-01-BAC	Beaver Creek and Tributaries						
Recreation	Fecal Coliform	4A			2.29	2004	M
	Escherichia coli	4A			5.09	2006	M
	Escherichia coli	4A			7.77	2006	M
	Escherichia coli	4A			7.27	2006	M
	Escherichia coli	4A			2.90	2006	M
O07R-01-BEN	Beaver Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			15.04	1998	M
	Sedimentation/Siltation	4A			15.04	2010	M
O09R-01-BAC	Lick Creek						
Recreation	Escherichia coli	4A			5.73	2006	L
O09R-03-BAC	North Fork Holston River						
Recreation	Fecal Coliform	4A			12.23	2006	L
	Escherichia coli	4A			13.77	2010	L
	Escherichia coli	4A			12.23	2010	L
	Escherichia coli	4A			12.58	2014	L
O10R-01-BAC	North Fork Holston River						
Recreation	Fecal Coliform	4A			5.32	2004	L
	Escherichia coli	4A			18.75	2006	L
	Fecal Coliform	4A			1.83	2006	L
	Escherichia coli	4A			1.83	2008	L
O10R-01-HG	North Fork Holston River						
Fish Consumption	Mercury in Fish Tissue	4A			81.99	1994	L

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Tennessee and Big Sandy River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
O10R-05-BAC	North Fork Holston River Tributaries						
Recreation	Fecal Coliform	4A			2.65	2004	L
	Fecal Coliform	4A			15.36	2006	L
	Escherichia coli	4A			8.88	2006	L
	Escherichia coli	4A			6.48	2010	L
	Escherichia coli	4A			11.71	2010	L
	Escherichia coli	4A			2.65	2010	L
O11R-03-BEN	North Fork Holston River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.92	2006	L
O11R-03-CHLR	North Fork Holston						
Aquatic Life	Chloride	4A			4.92	1996	L
O11R-04-BAC	Logan Creek						
Recreation	Escherichia coli	4A			5.42	2006	L
O11R-05-BAC	Toole Creek						
Recreation	Escherichia coli	4A			5.85	2006	L
O11R-08-BAC	Brumley Creek						
Recreation	Escherichia coli	4A			4.17	2008	L
O11R-09-BAC	East Fork Wolf Creek						
Recreation	Escherichia coli	4A			3.47	2012	L
O11R-11-BAC	Finley Creek						
Recreation	Escherichia coli	4A			1.90	2012	L
O11R-12-BAC	West Fork Wolf Creek						
Recreation	Escherichia coli	4A			3.16	2012	L
O12R-02-BAC	Abrams Creek						
Recreation	Escherichia coli	4A			11.77	2006	L
O12R-03-BAC	Cove Creek						
Recreation	Escherichia coli	4A			13.36	2006	L
O12R-04-BAC	Little Moccasin Creek						
Recreation	Escherichia coli	4A			5.02	2006	L
O12R-06-BAC	Smith Creek and Gaspard Creek						
Recreation	Escherichia coli	4A			8.12	2006	L
	Escherichia coli	4A			1.37	2016	L
O13R-03-BAC	North Fork Holston River Tributaries						
Recreation	Escherichia coli	4A			8.73	2008	L
	Escherichia coli	4A			15.89	2010	L

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Tennessee and Big Sandy River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
O14R-01-BAC	Big Moccasin Creek						
Recreation	Escherichia coli	4A			28.48	2008	L
	Escherichia coli	4A			8.24	2010	L
	Escherichia coli	4A			2.87	2012	L
P01R-01-BAC	Clinch River and Cavitts Creek						
Recreation	Fecal Coliform	4A			6.14	2004	L
	Fecal Coliform	4A			6.11	2006	L
	Escherichia coli	4A			12.25	2010	L
P01R-01-BEN	Clinch River and Cavitts Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			6.14	2002	L
	Sedimentation/Siltation	4A			6.14	2010	L
	Benthic-Macroinvertebrate Bioassessments	4A			2.40	2016	L
P01R-02-BAC	Plum Creek and North Fork Clinch River						
Recreation	Fecal Coliform	4A			2.88	2004	L
	Escherichia coli	4A			2.88	2010	L
	Escherichia coli	4A			2.61	2010	L
P01R-03-BAC	South Fork Clinch River and Cavitts Creek						
Recreation	Escherichia coli	4A			6.57	2010	M
P02R-02-BAC	Indian Creek						
Recreation	Fecal Coliform	4A			9.07	2004	L
	Escherichia coli	4A			9.07	2008	L
	Escherichia coli	4A			4.57	2012	L
	Escherichia coli	4A			4.61	2014	L
P03R-01-BAC	Clinch River Tributaries						
Recreation	Escherichia coli	4A			3.05	2006	L
	Escherichia coli	4A			7.40	2010	L
P03R-02-BAC	Clinch River						
Recreation	Fecal Coliform	4A			5.55	2002	L
	Escherichia coli	4A			3.01	2004	L
	Escherichia coli	4A			5.55	2010	L
P04R-01-BAC	Lewis Creek and Hess Creek						
Recreation	Fecal Coliform	4A			4.98	2006	L
	Escherichia coli	4A			4.98	2010	L
	Escherichia coli	4A			4.49	2010	L
P04R-01-BEN	Lewis Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.98	2002	L
	Sedimentation/Siltation	4A			4.98	2010	L

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Tennessee and Big Sandy River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
P04R-02-BAC	Swords Creek						
Recreation	Escherichia coli	4A			2.91	2010	L
P05R-01-BAC	Indian Creek						
Recreation	Fecal Coliform	4A			4.10	2004	L
	Escherichia coli	4A			4.10	2010	L
P05R-04-BAC	Little River						
Recreation	Fecal Coliform	4A			5.25	2004	L
	Fecal Coliform	4A			4.12	2008	L
	Escherichia coli	4A			5.25	2010	L
	Escherichia coli	4A			4.12	2012	L
P05R-05-BAC	Maiden Spring Creek						
Recreation	Fecal Coliform	4A			16.21	2004	L
	Escherichia coli	4A			9.51	2010	L
	Escherichia coli	4A			6.70	2016	L
P05R-07-BEN	Laurel Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.41	2012	L
P06R-01-BAC	Big Cedar Creek and Tributaries						
Recreation	Fecal Coliform	4A			1.10	2004	L
	Escherichia coli	4A			7.49	2006	L
	Escherichia coli	4A			10.42	2006	L
	Fecal Coliform	4A			4.20	2006	L
	Escherichia coli	4A			1.10	2008	L
	Escherichia coli	4A			12.06	2012	L
P06R-02-BAC	Little Cedar Creek						
Recreation	Escherichia coli	4A			2.19	2012	M
P07R-01-BAC	Clinch River and Tributaries						
Recreation	Escherichia coli	4A			28.05	2006	M
	Escherichia coli	4A			3.40	2012	M
P07R-01-BEN	Clinch River Tributaries						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.40	2010	L
P08R-01-BAC	Dumps Creek						
Recreation	Escherichia coli	4A			3.54	2006	L
P09R-01-BAC	Clinch River						
Recreation	Fecal Coliform	4A			5.99	2004	M
	Escherichia coli	4A			5.99	2012	M
	Escherichia coli	4A			15.73	2014	M
P09R-03-BAC	Staunton Creek & Fall Creek						
Recreation	Escherichia coli	4A			12.74	2006	L

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Tennessee and Big Sandy River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
P09R-05-BAC	Russell Creek						
Recreation	Escherichia coli	4A			5.23	2008	L
P09R-06-BAC	Bull Run						
Recreation	Escherichia coli	4A			3.99	2012	M
P10R-01-BAC	Lick Creek and Tributaries						
Recreation	Fecal Coliform	4A			9.61	2002	L
	Fecal Coliform	4A			4.18	2004	L
	Escherichia coli	4A			9.61	2006	L
	Escherichia coli	4A			2.49	2012	L
P10R-01-BEN	Lick Creek and Tributaries						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			9.61	2002	L
	Benthic-Macroinvertebrate Bioassessments	4A			4.18	2004	L
	Benthic-Macroinvertebrate Bioassessments	4A			5.52	2004	L
	Sedimentation/Siltation	4A			9.61	2010	L
P11R-01-BEN	Guest River and Tributaries						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			31.43	2006	L
	Sedimentation/Siltation	4A			28.34	2010	L
	Sedimentation/Siltation	4A			3.09	2012	L
	Benthic-Macroinvertebrate Bioassessments	4A			11.80	2014	L
P11R-03-BAC	Guest River and Bear Creek						
Recreation	Fecal Coliform	4A			4.15	2002	M
	Escherichia coli	4A			4.15	2004	M
	Escherichia coli	4A			3.09	2006	M
	Escherichia coli	4A			1.94	2010	M
	Escherichia coli	4A			28.34	2012	M
	Escherichia coli	4A			5.06	2014	M
P11R-05-BAC	Crab Orchard Creek						
Recreation	Escherichia coli	4A			2.75	2006	L
P11R-06-BAC	Little Tom's Creek						
Recreation	Fecal Coliform	4A			4.79	2004	L
	Escherichia coli	4A			4.79	2006	L
P11R-08-BAC	Toms Creek						
Recreation	Escherichia coli	4A			12.60	2006	L
P13R-03-BAC	Clinch River, Cove Creek and Stock Creek						
Recreation	Escherichia coli	4A			9.63	2008	M
	Escherichia coli	4A			11.91	2008	M
	Escherichia coli	4A			13.55	2014	M

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Tennessee and Big Sandy River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
P14R-01-BAC	Copper Creek, Moll Creek and Valley Creek						
Recreation	Escherichia coli	4A			18.36	2008	M
	Escherichia coli	4A			40.41	2014	M
P15R-00-BAC	North Fork Clinch River						
Recreation	Fecal Coliform	4A			5.73	2002	L
	Escherichia coli	4A			11.40	2008	M
	Escherichia coli	4A			5.73	2010	M
	Escherichia coli	4A			2.46	2014	M
P16R-01-BAC	Blackwater Creek						
Recreation	Fecal Coliform	4A			2.09	2004	L
	Escherichia coli	4A			2.09	2008	L
	Escherichia coli	4A			1.93	2016	L
P17R-01-BAC	Callahan Creek						
Recreation	Fecal Coliform	4A			3.63	2004	L
	Escherichia coli	4A			3.63	2006	L
P17R-01-BEN	Callahan Creek and Tributaries						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			1.68	2002	L
	Sedimentation/Siltation	4A			1.68	2010	L
	Total Dissolved Solids	4A			1.68	2010	L
	Total Dissolved Solids	4A			3.63	2012	L
	Sedimentation/Siltation	4A			3.63	2012	L
	Benthic-Macroinvertebrate Bioassessments	4A			3.63	2012	L
	Benthic-Macroinvertebrate Bioassessments	4A			14.29	2014	L
	Benthic-Macroinvertebrate Bioassessments	4A			0.58	2016	L
P17R-02-BAC	Powell River						
Recreation	Escherichia coli	4A			2.71	2006	L
	Fecal Coliform	4A			5.46	2006	L
	Escherichia coli	4A			1.00	2008	L
	Escherichia coli	4A			5.46	2010	L
P17R-02-BEN	Powell River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			2.71	2002	L
	Benthic-Macroinvertebrate Bioassessments	4A			6.70	2010	L
	Benthic-Macroinvertebrate Bioassessments	4A			10.59	2014	L
P17R-03-BEN	Black Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.11	2002	L
	Alkalinity, Carbonate as CaCO3	4A			3.11	2010	L
P17R-07-BEN	Pigeon Creek and Looney Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.42	2012	H
	Benthic-Macroinvertebrate Bioassessments	4A			8.54	2014	H

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Tennessee and Big Sandy River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
P17R-09-BEN	Roaring Fork and Potcamp Fork						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			5.04	2010	H
	Benthic-Macroinvertebrate Bioassessments	4A			21.73	2014	H
P17R-11-BEN	Powell River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			5.46	2014	L
P18R-01-BAC	South Fork Powell River						
Recreation	Fecal Coliform	4A			6.45	2004	L
	Escherichia coli	4A			6.45	2012	L
P18R-01-BEN	South Fork Powell River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			5.80	2004	L
	Sedimentation/Siltation	4A			5.80	2012	L
P18R-02-BAC	Butcher Fork						
Recreation	Fecal Coliform	4A			4.96	2004	L
	Escherichia coli	4A			4.96	2012	L
P18R-03-BAC	South Fork Powell River						
Recreation	Escherichia coli	4A			5.80	2010	L
P19R-01-BAC	Mud Creek						
Recreation	Escherichia coli	4A			1.81	2010	M
P19R-01-BEN	Powell River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			6.62	2004	L
	Sedimentation/Siltation	4A			6.62	2012	L
P20R-00-BEN	Straight Creek and Tributaries						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			28.10	1996	L
P20R-01-BAC	North Fork Powell River						
Recreation	Escherichia coli	4A			6.05	2004	L
P20R-01-BEN	North Fork Powell River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			6.05	1994	L
	Sedimentation/Siltation	4A			6.05	2012	L
	Benthic-Macroinvertebrate Bioassessments	4A			8.23	2014	L
P20R-02-BAC	Straight Creek and Tributaries						
Recreation	Escherichia coli	4A			6.81	2002	L
	Escherichia coli	4A			3.33	2016	L
P20R-03-BAC	Reeds Creek						
Recreation	Escherichia coli	4A			1.35	2012	M

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Tennessee and Big Sandy River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
P21R-03-BEN	Powell River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			6.46	2008	L
	Benthic-Macroinvertebrate Bioassessments	4A			12.74	2012	L
P21R-06-BAC	Station Creek						
Recreation	Escherichia coli	4A			2.31	2012	M
P22R-01-BAC	Wallen Creek						
Recreation	Escherichia coli	4A			42.90	2012	M
P23R-01-BEN	Powell River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			8.47	2002	L
Q03R-01-BEN	Pawpaw Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.23	1994	L
Q03R-02-BAC	Knox Creek						
Recreation	Escherichia coli	4A			9.53	2002	L
	Fecal Coliform	4A			7.75	2002	L
	Fecal Coliform	4A			8.70	2004	L
	Escherichia coli	4A			7.75	2006	L
	Escherichia coli	4A			8.70	2010	L
Q03R-02-BEN	Knox Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			17.28	1996	L
Q04R-01-BAC	Levisa Fork and Tributaries						
Recreation	Fecal Coliform	4A			9.36	2002	L
	Fecal Coliform	4A			7.89	2004	L
	Fecal Coliform	4A			8.26	2004	L
	Escherichia coli	4A			2.68	2006	L
	Escherichia coli	4A			4.72	2008	L
	Escherichia coli	4A			9.36	2008	L
	Escherichia coli	4A			7.89	2010	L
	Escherichia coli	4A			8.26	2010	L
Q04R-01-BEN	Levisa Fork and Slate Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			2.68	2002	L
	Benthic-Macroinvertebrate Bioassessments	4A			8.26	2002	L
	Benthic-Macroinvertebrate Bioassessments	4A			13.31	2004	L
	Benthic-Macroinvertebrate Bioassessments	4A			6.31	2006	L
	Benthic-Macroinvertebrate Bioassessments	4A			3.03	2014	L
Q04R-01-PCB	Levisa Fork and Garden Creek						
Fish Consumption	PCB in Fish Tissue	4A			1.84	2004	L
	PCB in Fish Tissue	4A			8.26	2006	L
	PCB in Fish Tissue	4A			17.66	2006	L
	PCB in Fish Tissue	4A			3.94	2006	L

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Tennessee and Big Sandy River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
Q04R-02-BAC	Garden Creek						
Recreation	Fecal Coliform	4A			1.84	2002	L
	Escherichia coli	4A			7.85	2008	L
	Escherichia coli	4A			10.39	2008	L
Q04R-02-BEN	Garden Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			1.84	1998	L
	Benthic-Macroinvertebrate Bioassessments	4A			6.01	2008	L
	Benthic-Macroinvertebrate Bioassessments	4A			10.39	2008	L
	Total Dissolved Solids	4A			6.01	2010	L
Q05R-00-BEN	Dismal Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			9.14	2016	L
Q05R-01-BAC	Dismal Creek						
Recreation	Escherichia coli	4A			12.44	2010	M
Q08R-01-BAC	Bull Creek, Poplar Creek, and Home Creek						
Recreation	Escherichia coli	4A			31.67	2008	M
	Escherichia coli	4A			4.79	2014	M
Q08R-01-BEN	Bull Creek and Tributaries						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			28.45	1998	L
Q08R-02-BEN	Home Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.79	2010	M
	Benthic-Macroinvertebrate Bioassessments	4A			0.80	2014	M
Q08R-05-BAC	Conaway Creek						
Recreation	Escherichia coli	4A			2.62	2016	L
Q08R-05-BEN	Conaway Creek and Tributaries						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			9.61	2014	M
Q12R-01-BEN	Russell Prater Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			11.72	1996	L
	Sedimentation/Siltation	4A			11.72	2010	L
	Total Dissolved Solids	4A			11.72	2010	L
Q13R-01-BEN	South Fork Pound River and Tributaries						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.59	2002	L
	Benthic-Macroinvertebrate Bioassessments	4A			1.70	2002	L
	Benthic-Macroinvertebrate Bioassessments	4A			2.21	2004	L
	Benthic-Macroinvertebrate Bioassessments	4A			3.44	2004	L
	Benthic-Macroinvertebrate Bioassessments	4A			2.77	2014	L
Q13R-02-BEN	North Fork Pound River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			1.29	2002	L

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Tennessee and Big Sandy River Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
Q13R-08-BEN	North Fork Pound River Tributaries						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			10.25	2010	H
Q13R-09-BEN	North Fork Pound River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.29	2010	H

VA DEQ is transitioning from Fecal Coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreation Use.

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

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Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
C01E-01-SF	Great Wicomico River						
Shellfishing	Fecal Coliform	4A	0.382			1998	L
C01E-01-SF2	Great Wicomico River / Blackwells Creek						
Shellfishing	Fecal Coliform	4A	0.125			2004	L
C01E-02-SF	Balls Creek						
Shellfishing	Fecal Coliform	4A	0.064			1998	L
C01E-02-SF2	Balls Creek						
Shellfishing	Fecal Coliform	4A	0.113			2002	L
C01E-03-SF	Tipers Creek						
Shellfishing	Fecal Coliform	4A	0.083			1998	L
C01E-03-SF2	Tipers Creek						
Shellfishing	Fecal Coliform	4A	0.039			2002	L
C01E-05-SF	Whays Creek						
Shellfishing	Fecal Coliform	4A	0.041			1998	L
C01E-06-SF	Warehouse Creek						
Shellfishing	Fecal Coliform	4A	0.069			1998	L
C01E-06-SF2	Warehouse Creek						
Shellfishing	Fecal Coliform	4A	0.008			2006	L
C01E-07-SF	Horn Harbor						
Shellfishing	Fecal Coliform	4A	0.071			2002	L
C01E-08-BAC	Cockrell Creek						
Recreation	Enterococcus	4A	0.470			2008	L
C01E-09-SF	Prentice Creek						
Shellfishing	Fecal Coliform	4A	0.015			1998	L
C01E-09-SF2	Prentice Creek						
Shellfishing	Fecal Coliform	4A	0.014			2010	L
C01E-11-SF	Little Taskmakers Creek						
Shellfishing	Fecal Coliform	4A	0.049			2008	L
C01E-12-BAC	Mill Creek						
Recreation	Enterococcus	4A	0.241			2010	L
C01E-12-SF	Mill Creek						
Shellfishing	Fecal Coliform	4A	0.241			1998	L
C01E-12-SF2	Mill Creek						
Shellfishing	Fecal Coliform	4A	0.135			2004	L

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Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
C01E-14-SF	Gaskin Pond						
Shellfishing	Fecal Coliform	4A	0.115			2010	L
C01E-15-SF	Dividing Creek, Lawrence Creek, Natty Point Cove						
Shellfishing	Fecal Coliform	4A	0.201			1998	L
	Fecal Coliform	4A	0.009			2014	L
C01E-16-SF	Great Wicomico River, UT						
Shellfishing	Fecal Coliform	4A	0.033			2016	L
C01E-18-SF	Gougher Creek						
Shellfishing	Fecal Coliform	4A	0.036			2016	L
C01E-19-SF	XEU - Prentice Creek, UT						
Shellfishing	Fecal Coliform	4A	0.011			1998	L
C01E-20-SF	Lees Cove						
Shellfishing	Fecal Coliform	4A	0.015			2002	L
C01E-21-SF	XDL - Chesapeake Bay, UT (Big Fleets Pond)						
Shellfishing	Fecal Coliform	4A	0.018			2002	L
C01E-22-SF	Indian Creek & Pitman Cove						
Shellfishing	Fecal Coliform	4A	0.182			1998	L
C01E-23-SF	Towles Creek						
Shellfishing	Fecal Coliform	4A	0.027			2014	L
C01E-24-SF	Dymer Creek						
Shellfishing	Fecal Coliform	4A	0.177			1998	L
C01E-25-SF	Bailey Prong						
Shellfishing	Fecal Coliform	4A	0.052			2016	L
C01E-26-SF	Johnson Creek						
Shellfishing	Fecal Coliform	4A	0.029			2014	L
C01E-27-BAC	Tabbs Creek						
Recreation	Enterococcus	4A	0.095			2012	L
C01E-27-SF	Tabbs Creek						
Shellfishing	Fecal Coliform	4A	0.111			1998	L
C01E-28-SF	Antipoison Creek						
Shellfishing	Fecal Coliform	4A	0.042			1998	L
C01E-29-BAC	Indian Creek						
Recreation	Enterococcus	4A	0.239			2014	L

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Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
C01E-30-SF	Dymer Creek, UT						
Shellfishing	Fecal Coliform	4A	0.018			2016	L
C01E-31-SF	Jarvis Creek						
Shellfishing	Fecal Coliform	4A	0.026			2010	L
C01E-33-SF	Betts Mill Creek						
Shellfishing	Fecal Coliform	4A	0.082			2004	L
C01E-37-SF	Harveys Creek						
Shellfishing	Fecal Coliform	4A	0.045			2008	L
C01E-38-SF	Cranes Creek						
Shellfishing	Fecal Coliform	4A	0.019			2008	L
C01E-40-SF	Coles Creek						
Shellfishing	Fecal Coliform	4A	0.019			2008	L
C01E-42-SF	Jarvis Creek						
Shellfishing	Fecal Coliform	4A	0.016			2016	L
C01E-48-SF	Chases Cove						
Shellfishing	Fecal Coliform	4A	0.023			2006	L
C01E-50-SF	Antipoison Creek, UT						
Shellfishing	Fecal Coliform	4A	0.013			2006	L
C01E-51-SF	Antipoison Creek, UT						
Shellfishing	Fecal Coliform	4A	0.004			2006	L
C01E-53-SF	Owens Pond						
Shellfishing	Fecal Coliform	4A	0.037			2012	L
C01E-54-SF	Owens Pond						
Shellfishing	Fecal Coliform	4A	0.073			2012	L
C01E-55-BAC	Head River Branch						
Recreation	Enterococcus	4A	0.020			2012	L
C01E-56-SF	Penny Creek						
Shellfishing	Fecal Coliform	4A	0.009			2012	L
C01E-58-SF	XEV - Mill Creek, UT						
Shellfishing	Fecal Coliform	4A	0.007			2012	L
C01E-59-BAC	Dividing Creek and XDB - Dividing Creek, UT						
Recreation	Enterococcus	4A	0.068			2012	L
C01E-60-SF	Lees Cove						
Shellfishing	Fecal Coliform	4A	0.010			2012	L

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Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
C01E-64-BAC	Bush Mill Stream						
Recreation	Enterococcus	4A	0.095			2012	L
C02R-01-BAC	Dragon Swamp						
Recreation	Escherichia coli	4A			12.37	2014	L
C02R-04-BAC	Exol Swamp						
Recreation	Escherichia coli	4A			11.34	2016	L
C03E-01-BAC	Harpers Creek						
Recreation	Enterococcus	4A	0.062			2010	L
C03E-02-SF	Piankatank River/Harpers Creek						
Shellfishing	Fecal Coliform	4A	2.165			1998	L
C03E-03-SF	Frenchs Creek						
Shellfishing	Fecal Coliform	4A	0.010			2002	L
C03E-04-BAC	Ferry Creek						
Recreation	Enterococcus	4A	0.084			2010	L
C03E-04-SF	Ferry Creek						
Shellfishing	Fecal Coliform	4A	0.084			2014	L
C03E-05-SF	Wilton Creek						
Shellfishing	Fecal Coliform	4A	0.134			1998	L
C03E-06-SF	Healy Creek						
Shellfishing	Fecal Coliform	4A	0.071			1998	L
C03E-07-SF	Moore Creek						
Shellfishing	Fecal Coliform	4A	0.069			2002	L
C03E-08-SF	Jackson Creek						
Shellfishing	Fecal Coliform	4A	0.019			1998	L
C03E-08-SF2	Jackson Creek						
Shellfishing	Fecal Coliform	4A	0.002			2006	L
C03E-09-SF	Piankatank River, UT						
Shellfishing	Fecal Coliform	4A	0.007			2016	L
C03E-11-SF	Jackson Creek						
Shellfishing	Fecal Coliform	4A	0.013			2014	L
C03E-12-SF	Cobbs Creek						
Shellfishing	Fecal Coliform	4A	0.086			2014	L
C03E-13-SF	Jackson Creek, UT						
Shellfishing	Fecal Coliform	4A	0.033			2014	L

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Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
C03E-15-SF	Dancing Creek						
Shellfishing	Fecal Coliform	4A	0.034			2008	L
C03E-18-SF	Cores Creek						
Shellfishing	Fecal Coliform	4A	0.018			2014	L
C03E-19-SF	Porpoise Cove						
Shellfishing	Fecal Coliform	4A	0.011			2008	L
C03E-20-SF	Piankatank River						
Shellfishing	Fecal Coliform	4A	0.401			2014	L
C03E-21-SF	Piankatank River, UT						
Shellfishing	Fecal Coliform	4A	0.003			2016	L
C03E-22-SF	Jackson Creek, UT						
Shellfishing	Fecal Coliform	4A	0.011			2016	L
C04E-01-SF	Queens Creek						
Shellfishing	Fecal Coliform	4A	0.123			1998	L
C04E-01-SF2	Queens Creek, UT						
Shellfishing	Fecal Coliform	4A	0.019			2002	L
C04E-04-SF	Put In Creek						
Shellfishing	Fecal Coliform	4A	0.021			2016	L
C04E-05-SF	Stutts Creek and Morris Creek						
Shellfishing	Fecal Coliform	4A	0.111			1998	L
C04E-05-SF2	Stutts Creek and Morris Creek						
Shellfishing	Fecal Coliform	4A	0.054			2002	L
C04E-07-SF	Billups Creek						
Shellfishing	Fecal Coliform	4A	0.029			1998	L
C04E-08-SF	North River						
Shellfishing	Fecal Coliform	4A	0.317			1998	L
	Fecal Coliform	4A	0.025			2010	L
C04E-08-SF2	North River						
Shellfishing	Fecal Coliform	4A	0.135			2002	L
C04E-09-SF	Elmington Creek						
Shellfishing	Fecal Coliform	4A	0.023			2014	L
C04E-09-SF2	Elmington Creek						
Shellfishing	Fecal Coliform	4A	0.009			2014	L

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Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
C04E-10-SF	Back Creek						
Shellfishing	Fecal Coliform	4A	0.071			1998	L
C04E-11-SF	Greenmansion Cove						
Shellfishing	Fecal Coliform	4A	0.027			2014	L
C04E-12-SF	Davis Creek						
Shellfishing	Fecal Coliform	4A	0.037			2002	L
C04E-13-SF	East River						
Shellfishing	Fecal Coliform	4A	0.198			1998	L
C04E-14-SF	Put In Creek						
Shellfishing	Fecal Coliform	4A	0.079			1998	L
C04E-15-SF	Davis Creek						
Shellfishing	Fecal Coliform	4A	0.006			2012	L
C04E-16-SF	XFA - North River, UT						
Shellfishing	Fecal Coliform	4A	0.020			2014	L
C04E-18-SF	Horn Harbor						
Shellfishing	Fecal Coliform	4A	0.036			1998	L
C04E-19-SF	Doctors Creek						
Shellfishing	Fecal Coliform	4A	0.005			1998	L
C04E-21-SF	Piankatank River, UT - aka Kibble Pond						
Shellfishing	Fecal Coliform	4A	0.016			2016	L
C04E-23-SF	Put In Creek, UT						
Shellfishing	Fecal Coliform	4A	0.005			2016	L
C04E-24-SF	Oakland Creek						
Shellfishing	Fecal Coliform	4A	0.030			2016	L
C04E-25-SF	Winder Creek						
Shellfishing	Fecal Coliform	4A	0.025			2002	L
C04E-28-SF	Barn Creek						
Shellfishing	Fecal Coliform	4A	0.020			2008	L
C04E-29-SF	Miles Creek						
Shellfishing	Fecal Coliform	4A	0.030			2016	L
C04E-30-SF	Lanes Creek, UT						
Shellfishing	Fecal Coliform	4A	0.002			2008	L
C04E-42-SF	Weston Creek						
Shellfishing	Fecal Coliform	4A	0.025			2008	L

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Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
C04E-44-SF	East River, UT						
Shellfishing	Fecal Coliform	4A	0.014			2014	L
C04E-47-SF	Belleville Creek						
Shellfishing	Fecal Coliform	4A	0.037			2008	L
C04E-48-SF	Woodas Creek						
Shellfishing	Fecal Coliform	4A	0.040			2008	L
C04E-49-SF	East River						
Shellfishing	Fecal Coliform	4A	0.101			2008	L
C04E-52-SF	Lanes Creek						
Shellfishing	Fecal Coliform	4A	0.020			2012	L
C04E-54-SF	Davis Creek						
Shellfishing	Fecal Coliform	4A	0.009			2012	L
C04E-55-SF	Raymond Creek						
Shellfishing	Fecal Coliform	4A	0.026			2012	L
C04R-01-BAC	East River						
Recreation	Escherichia coli	4A			0.59	2012	L
C04R-02-BAC	Burke Mill Stream						
Recreation	Enterococcus	4A	0.025			2012	L
C05E-01-SF	Ware River / Fox Mill Run						
Shellfishing	Fecal Coliform	4A	0.342			1998	L
C05E-01-SF2	Ware River						
Shellfishing	Fecal Coliform	4A	0.410			2002	L
C05E-02-SF	Wilson Creek						
Shellfishing	Fecal Coliform	4A	0.033			1998	L
C05E-02-SF2	Wilson Creek						
Shellfishing	Fecal Coliform	4A	0.162			2002	L
C05R-01-BAC	Fox Mill Run						
Recreation	Escherichia coli	4A			6.96	2010	L
C05R-03-BAC	Crany Creek						
Recreation	Escherichia coli	4A			3.90	2010	L
C05R-04-BAC	XEG - Fox Mill Run, UT						
Recreation	Escherichia coli	4A			1.71	2012	L

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C06E-01-BAC	Northwest Branch Severn River						
Recreation	Enterococcus	4A	0.092			2010	L
	Enterococcus	4A	0.644			2016	L
C06E-01-SF	Northwest Branch Severn River						
Shellfishing	Fecal Coliform	4A	0.094			2016	L
C06E-02-SF	Northwest Branch Severn River, UT						
Shellfishing	Fecal Coliform	4A	0.034			2016	L
C06E-03-SF	Vaughns Creek						
Shellfishing	Fecal Coliform	4A	0.102			2016	L
C06E-04-SF	Heywood Creek						
Shellfishing	Fecal Coliform	4A	0.081			1998	L
C06E-05-SF	Thorntons Creek						
Shellfishing	Fecal Coliform	4A	0.052			1998	L
C06E-06-SF	Sterling Creek						
Shellfishing	Fecal Coliform	4A	0.021			2016	L
C06E-08-SF	Free School Creek						
Shellfishing	Fecal Coliform	4A	0.054			2008	L
C06R-01-BAC	Northwest Branch of Severn River						
Recreation	Escherichia coli	4A			2.16	2008	L
C06R-02-BAC	Northwest Branch of Severn River, UT						
Recreation	Enterococcus	4A	0.003			2012	L
C07E-01-BAC	Brick Kiln Creek						
Recreation	Enterococcus	4A	0.086			2004	H
C07E-01-SF	Brick Kiln Creek						
Shellfishing	Fecal Coliform	4A	0.086			1998	H
C07E-02-BAC	Newmarket Creek - Upper & Lower						
Recreation	Enterococcus	4A	0.152			2006	H
C07E-04-BAC	Poquoson River - Upper						
Recreation	Enterococcus	4A	0.431			1998	H
C07E-05-BAC	SW Br Back R - DSS OPEN [TMDL]						
Recreation	Fecal Coliform	4A	0.994			1998	H
	Fecal Coliform	4A	0.044			2002	H
	Fecal Coliform	4A	0.423			2002	H
C07E-05-BAC2	Southwest Br. Back River - Mouth						
Recreation	Fecal Coliform	4A	0.227			2002	H

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C07E-06-SF	Lambs Creek - Poquoson River						
Shellfishing	Fecal Coliform	4A	0.135			1998	H
C07E-07-SF	Patricks Creek - Poquoson River						
Shellfishing	Fecal Coliform	4A	0.119			2004	H
C07E-09-SF	White House Cove						
Shellfishing	Fecal Coliform	4A	0.145			1998	H
C07E-10-SF	Upper Back Creek						
Shellfishing	Fecal Coliform	4A	0.222			1998	H
C07E-11-SF	Poquoson River - Upper [TMDL - CD]						
Shellfishing	Fecal Coliform	4A	0.431			1998	H
C07E-13-SF	Long & Grunland Creeks						
Shellfishing	Fecal Coliform	4A	0.097			2010	H
C07E-14-SF	Harris River - Upper						
Shellfishing	Fecal Coliform	4A	0.171			1998	H
C07E-15-SF	DSS Inlet #1 - Unnamed Inlet at Mouth of SW Branch						
Shellfishing	Fecal Coliform	4A	0.025			1998	H
C07E-17-SF	Cedar & Topping Creeks						
Shellfishing	Fecal Coliform	4A	0.109			1998	H
C07E-19-SF	Tabbs Creek Mouth - NW Br Back River						
Shellfishing	Fecal Coliform	4A	0.015			2014	L
C07E-20-SF	Back Creek - Inlet near Dandy Point						
Shellfishing	Fecal Coliform	4A	0.034			2014	L
C07E-21-SF	Cedar & Topping Creeks and Northwest Br. Back River - Upper						
Shellfishing	Fecal Coliform	4A	0.220			1998	H
C07E-22-SF	Newmarket Creek trib and Southwest Branch - Back River						
Shellfishing	Fecal Coliform	4A	1.146			1998	H
C07E-23-SF	Chisman Creek - Upper & Goose Cr						
Shellfishing	Fecal Coliform	4A	0.371			1998	H
C07E-25-SF	Lyons Creek - Upper, Middle and Lower						
Shellfishing	Fecal Coliform	4A	0.034			2006	H
C07E-26-SF	Floyds Bay						
Shellfishing	Fecal Coliform	4A	0.042			2006	H
C07E-33-SF	Northwest Br. Back River - Upper						
Shellfishing	Fecal Coliform	4A	0.248			2006	H

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C07E-40-SF	Grunland Creek - Mouth						
Shellfishing	Fecal Coliform	4A	0.048			2012	L
C07E-42-SF	Front Cove - Upper						
Shellfishing	Fecal Coliform	4A	0.042			2006	L
C07E-44-BAC	Chisman Creek - Lower						
Recreation	Enterococcus	4A	0.541			2006	L
C07R-02-BAC	Newmarket Creek - Lower Riverine						
Recreation	Fecal Coliform	4A			2.01	2006	H
C08E-03-BAC	Thalia Creek, Thurston Branch & Buchanan Creek						
Recreation	Enterococcus	4A	0.286			2006	L
C08E-04-BAC	Western Branch - Upper, Lynnhaven River						
Recreation	Enterococcus	4A	0.151			2006	L
C08E-05-BAC	London Bridge Creek						
Recreation	Enterococcus	4A	0.059			2006	L
C08E-07-BAC	West Neck Creek (Upper) and Canal No. 2						
Recreation	Enterococcus	4A	0.124			1998	L
C08E-10-SF	Dey Cove/Mill Dam Creek						
Shellfishing	Fecal Coliform	4A	0.095			1998	L
C08E-13-SF	Lynnhaven River System						
Shellfishing	Fecal Coliform	4A	0.541			1998	L
	Fecal Coliform	4A	0.328			2012	L
C08E-17-SF	Linkhorn Bay - Upper						
Shellfishing	Fecal Coliform	4A	0.067			2016	L
C08E-18-SF	Little Neck Creek-Lower [Condemned SF]						
Shellfishing	Fecal Coliform	4A	0.035			2016	L
C09E-01-BAC	Bulbeggar Creek						
Recreation	Enterococcus	4A	0.134			2004	L
C09E-01-SF	Pitts Creek - Lower						
Shellfishing	Fecal Coliform	4A	0.127			1998	L
C09E-02-BAC	Pocomoke River						
Recreation	Enterococcus	4A	0.240			2006	L
C09E-10-BAC	Holdens Creek - Upper						
Recreation	Enterococcus	4A	0.034			1998	L

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C09E-10-SF	Pocomoke River - Lower & Sound						
Shellfishing	Fecal Coliform	4A	1.452			1998	L
	Fecal Coliform	4A	0.966			2010	L
C09E-11-SF	Unsegmented tidal tributaries in C09E-POCOH						
Shellfishing	Fecal Coliform	4A	0.006			2006	L
C09R-01-DO	Unnamed tributary to Pitts Creek						
Aquatic Life	Oxygen, Dissolved	4A			7.50	1998	L
C09R-02-BAC	Unnamed tributary to Pitts Creek						
Recreation	Escherichia coli	4A			7.50	2004	L
C10E-05-BAC	Messongo Creek - Upper						
Recreation	Fecal Coliform	4A	0.052			1998	L
C10E-06-BAC	Deep Creek						
Recreation	Enterococcus	4A	0.693			2006	L
C10E-07-BAC	Hunting Creek - Upstream						
Recreation	Enterococcus	4A	0.842			2006	L
C10E-10-SF	Bagwell Creek and Dix Cove						
Shellfishing	Fecal Coliform	4A	0.102			1998	L
C10E-11-SF	Deep Creek - Middle						
Shellfishing	Fecal Coliform	4A	0.160			1998	L
C10E-12-SF	Guilford Creek - Upper						
Shellfishing	Fecal Coliform	4A	0.119			1998	L
C10E-12-SF2	Guilford Creek - Upper [No TMDL]						
Shellfishing	Fecal Coliform	4A	0.033			2008	L
C10E-18-SF	Hunting Creek - Upper						
Shellfishing	Fecal Coliform	4A	0.168			1998	L
C10R-01-BAC	Unnamed tributary to Sandy Bottom Branch						
Recreation	Escherichia coli	4A			1.13	2006	L
C10R-01-BAC2	Unnamed tributary from Tyson Foods						
Recreation	Escherichia coli	4A			1.40	2010	L
C10R-01-BEN	Unnamed tributary to Sandy Bottom Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4B			1.13	1996	L
C10R-01-BEN2	Unnamed tributary from Tyson Foods						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4B			1.40	2008	L

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C10R-02-BAC	Sandy Bottom Branch						
Recreation	Escherichia coli	4A			1.29	2004	L
C10R-02-BEN	Sandy Bottom Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4B			1.29	1996	L
C10R-02-CU	Sandy Bottom Branch						
Aquatic Life	Copper	4B			1.29	2002	L
Wildlife	Copper	4B			1.29	2002	L
C11E-04-BAC	North Branch, Onancock Creek						
Recreation	Enterococcus	4A	0.021			2002	H
C11E-05-BAC	Central Branch, Onancock Creek						
Recreation	Enterococcus	4A	0.018			2008	H
C11E-06-BAC	Southern Branch, Onancock Creek						
Recreation	Enterococcus	4A	0.058			1998	H
C11E-07-BAC	Onancock Creek Mainstem - Upper						
Recreation	Enterococcus	4A	0.028			2006	H
	Enterococcus	4A	0.034			2006	H
	Enterococcus	4A	0.094			2008	H
C11E-11-SF	Chesconessex Creek - South Br. - Upper						
Shellfishing	Fecal Coliform	4A	0.144			1998	L
C11E-12-SF	Finneys Creek - Upper						
Shellfishing	Fecal Coliform	4A	0.069			1998	M
C11E-13-SF	Cedar Creek						
Shellfishing	Fecal Coliform	4A	0.063			1998	H
C12E-10-BAC	Pungoteague Creek - Upper						
Recreation	Enterococcus	4A	0.494			2006	L
C12E-10-SF	Pungoteague Creek - Upper						
Shellfishing	Fecal Coliform	4A	0.187			1998	L
C12E-11-SF	Taylor Creek						
Shellfishing	Fecal Coliform	4A	0.130			1998	L
C12E-12-SF	Underhill Creek						
Shellfishing	Fecal Coliform	4A	0.070			2006	L
C13E-11-SF	Church Creek -Upper						
Shellfishing	Fecal Coliform	4A	0.108			2016	L
C13E-12-SF	Craddock Creek - Upper [TMDL-bact.]						
Shellfishing	Fecal Coliform	4A	0.082			1998	L

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C13E-13-SF	Holly Grove Cove- Upper & Kelley Cove						
Shellfishing	Fecal Coliform	4A	0.132			1998	H
C13E-14-SF	Nassawadox Creek - Upper [TMDL-bact.]						
Shellfishing	Fecal Coliform	4A	0.242			1998	H
C13E-15-SF	Occohannock Creek - Upper						
Shellfishing	Fecal Coliform	4A	0.380			1998	L
C13E-18-SF	McLean Gut - Upper						
Shellfishing	Fecal Coliform	4A	0.038			1998	L
C13E-19-SF	Nandua Creek - Upper [TMDL-bact.]						
Shellfishing	Fecal Coliform	4A	0.144			1998	L
C13E-22-SF	Shields Cove & Fisher Cove						
Shellfishing	Fecal Coliform	4A	0.053			2008	L
C14E-01-BAC	Hungars Creek - Upper						
Recreation	Fecal Coliform	4A	0.138			1998	L
C14E-11-SF	Hungars Creek - Upper						
Shellfishing	Fecal Coliform	4A	0.138			1998	L
C14E-13-SF	Mattawoman Creek - Upper						
Shellfishing	Fecal Coliform	4A	0.177			1998	L
C14E-14-SF	The Gulf - Upper						
Shellfishing	Fecal Coliform	4A	0.140			1998	L
C14E-16-SF	Westerhouse Creek - Upper and Middle South Branch [TMDL]						
Shellfishing	Fecal Coliform	4A	0.037			1998	H
C14E-18-SF	UT to Hungars Creek						
Shellfishing	Fecal Coliform	4A	0.039			2012	L
C14E-19-SF	Hungars Creek - Northern Trib						
Shellfishing	Fecal Coliform	4A	0.073			2014	L
C15E-10-SF	Kings Creek - Upper Forks						
Shellfishing	Fecal Coliform	4A	0.130			1998	L
C16E-10-SF	Old Plantation Creek - Upper [TMDL]						
Shellfishing	Fecal Coliform	4A	0.044			1998	L
C16E-10-SF2	Old Plantation Creek - Upper						
Shellfishing	Fecal Coliform	4A	0.152			2008	L

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CB5MH-DO-BAY	Chesapeake Bay segment CB5MH						
Aquatic Life	Oxygen, Dissolved	4A	5.846			2002	L
	Oxygen, Dissolved	4A	185.848			2004	L
	Oxygen, Dissolved	4A	10.560			2006	L
	Oxygen, Dissolved	4A	0.331			2008	L
	Oxygen, Dissolved	4A	1.531			2016	L
Deep-Water Aquatic Life	Oxygen, Dissolved	4A	5.846			2002	L
	Oxygen, Dissolved	4A	185.848			2004	L
	Oxygen, Dissolved	4A	10.527			2006	L
	Oxygen, Dissolved	4A	0.331			2008	L
	Oxygen, Dissolved	4A	1.531			2016	L
Open-Water Aquatic Life	Oxygen, Dissolved	4D	185.848			2004	L
CB5MH-SAV-BAY	Chesapeake Bay segment CB5MH						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	211.984			2006	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	211.984			2006	L
CB6PH-DO-BAY	Chesapeake Bay segment CB6PH						
Aquatic Life	Oxygen, Dissolved	4A	291.427			2006	L
Deep-Water Aquatic Life	Oxygen, Dissolved	4A	127.195			2006	L
Open-Water Aquatic Life	Oxygen, Dissolved	4A	291.427			2006	L
CB6PH-SAV-BAY	Chesapeake Bay segment CB6PH						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	287.502			2006	L
	Aquatic Plants (Macrophytes)	4A	3.925			2016	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	287.502			2006	L
	Aquatic Plants (Macrophytes)	4A	3.925			2016	L
CB7PH-DO-BAY	Chesapeake Bay segment CB7PH						
Aquatic Life	Oxygen, Dissolved	4A	541.440			1998	L
	Oxygen, Dissolved	4A	33.780			2006	L
Deep-Water Aquatic Life	Oxygen, Dissolved	4D	168.626			1998	L
Open-Water Aquatic Life	Oxygen, Dissolved	4A	541.440			1998	L
	Oxygen, Dissolved	4A	33.780			2006	L
CB7PH-SAV-BAY	Chesapeake Bay segment CB7PH						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	575.220			2006	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	575.220			2006	L
CB8PH-SAV-BAY	Chesapeake Bay segment CB8PH						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	148.492			2006	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	148.492			2006	L

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D01E-02-BAC	Little Mosquito Creek						
Recreation	Enterococcus	4A	0.208			2004	L
D01E-04-BAC	Swans Gut Creek						
Recreation	Enterococcus	4A	0.100			2006	L
D01E-13-SF	Greenbackville Harbor						
Shellfishing	Fecal Coliform	4A	0.009			1998	L
D01E-17-SF	Swans Gut Creek-restricted SF						
Shellfishing	Fecal Coliform	4A	0.004			2016	L
D02E-01-BAC	Assawoman Creek						
Recreation	Enterococcus	4A	0.136			1998	L
D02E-01-SF	Assawoman Creek						
Shellfishing	Fecal Coliform	4A	0.122			1998	L
D02E-10-SF	Unsegmented estuaries in D02E						
Shellfishing	Fecal Coliform	4A	0.007			2010	L
D02R-01-BAC	Pettit Branch						
Recreation	Escherichia coli	4A			1.88	1998	L
D02R-01-BEN	Pettit Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			1.88	1996	L
D03E-01-DO	Gargathy Creek - Upper & Lower						
Aquatic Life	Oxygen, Dissolved	4A	0.009			2004	L
	Oxygen, Dissolved	4A	0.122			2006	L
D03E-02-BAC	Finney Creek - Upper						
Recreation	Fecal Coliform	4A	0.002			2004	L
D03E-04-BAC	Folly Creek - Upper & Middle						
Recreation	Enterococcus	4A	0.376			2006	L
D03E-04-DO	Folly Creek - Upper & Middle						
Aquatic Life	Oxygen, Dissolved	4A	0.376			2006	L
D03E-05-BAC	Parker Creek - Middle & Lower						
Recreation	Enterococcus	4A	0.047			2006	L
D03R-01-BAC	Parker Creek						
Recreation	Escherichia coli	4A			2.02	1994	L
D03R-01-BEN	Parker Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			2.02	1994	L

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D03R-02-BAC	Gargathy Creek						
Recreation	Escherichia coli	4A			2.83	2004	L
D04E-05-BAC	Machipongo River						
Recreation	Enterococcus	4A	0.314			2008	L
D04E-05-SF	Machipongo River						
Shellfishing	Fecal Coliform	4A	0.314			2008	L
D05E-01-BAC	Oyster Slip (Harbor) - Upper						
Recreation	Enterococcus	4A	0.034			2006	L
D06R-01-DO	Mill Creek						
Aquatic Life	Oxygen, Dissolved	4A			2.23	1998	L
LYNPH-DO-BAY	Lynnhaven River and Broad Bay System CBP segment LYNPH and Tributaries						
Aquatic Life	Oxygen, Dissolved	4A	7.976			2006	L
Open-Water Aquatic Life	Oxygen, Dissolved	4A	7.976			2006	L
LYNPH-SAV-BAY	Lynnhaven River and Broad Bay System CBP segment LYNPH and Tributaries						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	4.981			2006	L
	Aquatic Plants (Macrophytes)	4A	0.385			2008	L
	Aquatic Plants (Macrophytes)	4A	2.020			2010	L
	Aquatic Plants (Macrophytes)	4A	0.590			2014	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	4.981			2006	L
	Aquatic Plants (Macrophytes)	4A	0.385			2008	L
	Aquatic Plants (Macrophytes)	4A	2.020			2010	L
	Aquatic Plants (Macrophytes)	4A	0.590			2014	L
MOBPH-SAV-BAY	Chesapeake Bay segment MOBPH (Mobjack Bay)						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	0.232			2006	L
	Aquatic Plants (Macrophytes)	4A	411.420			2006	L
	Aquatic Plants (Macrophytes)	4A	0.025			2010	L
	Aquatic Plants (Macrophytes)	4A	0.003			2012	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	411.420			2006	L
	Aquatic Plants (Macrophytes)	4A	0.232			2006	L
	Aquatic Plants (Macrophytes)	4A	0.025			2010	L
	Aquatic Plants (Macrophytes)	4A	0.003			2012	L
PIAMH-SAV-BAY	Piankatank Mesohaline Estuary						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	25.825			2006	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	25.825			2006	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
POCMH-SAV-BAY	Chesapeake Bay segment POCMH (Pocomoke Sound)						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	54.196			2006	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	54.196			2006	L
TANMH-DO-BAY	Chesapeake Bay segment TANMH (Tangier Sound)						
Aquatic Life	Oxygen, Dissolved	4A	122.751			2006	L
Open-Water Aquatic Life	Oxygen, Dissolved	4A	122.751			2006	L
TANMH-SAV-BAY	Chesapeake Bay segment TANMH (Tangier Sound)						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	122.751			2006	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	122.751			2006	L

VA DEQ is transitioning from Fecal Coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreation Use.

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

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

York River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
F01R-01-BAC	South Anna River						
Recreation	Escherichia coli	4A			7.10	2002	L
	Escherichia coli	4A			3.98	2006	L
F01R-02-BAC	Wheeler Creek						
Recreation	Escherichia coli	4A			0.24	2010	L
	Escherichia coli	4A			6.00	2012	L
F01R-03-BAC	Hudson Creek						
Recreation	Escherichia coli	4A			3.61	2012	L
F01R-04-BAC	Camp Creek						
Recreation	Escherichia coli	4A			2.01	2012	L
F02R-01-BAC	South Anna River						
Recreation	Escherichia coli	4A			5.98	2004	L
F02R-02-BAC	Unnamed tributary to the South Anna River						
Recreation	Escherichia coli	4A			1.34	2008	L
F02R-03-BAC	Fosters Creek						
Recreation	Escherichia coli	4A			4.91	2014	L
F02R-04-BAC	Roundabout Creek						
Recreation	Escherichia coli	4A			3.84	2014	L
F02R-05-BAC	Harris Creek						
Recreation	Escherichia coli	4A			6.97	2016	L
F02R-06-BAC	Rock Creek						
Recreation	Escherichia coli	4A			2.72	2016	L
F03R-02-BAC	Taylors Creek						
Recreation	Escherichia coli	4A			16.54	2008	L
F03R-04-BAC	Fork Creek						
Recreation	Escherichia coli	4A			1.79	2008	L
	Escherichia coli	4A			5.83	2016	L
F03R-06-BAC	Cub Creek						
Recreation	Escherichia coli	4A			3.10	2010	L
F03R-07-BAC	South Anna River						
Recreation	Escherichia coli	4A			1.76	2006	L
F03R-08-BAC	Deep Creek						
Recreation	Escherichia coli	4A			5.79	2012	L
F03R-09-BAC	South Anna River						
Recreation	Escherichia coli	4A			8.74	2012	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

York River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
F04R-01-BAC	South Anna River						
Recreation	Escherichia coli	4A			8.90	2008	L
	Escherichia coli	4A			8.35	2014	L
F04R-02-BAC	South Anna River						
Recreation	Escherichia coli	4A			4.76	2012	L
F04R-03-BAC	Stagg Creek						
Recreation	Escherichia coli	4A			6.56	2006	L
F05R-01-BAC	Newfound River						
Recreation	Escherichia coli	4A			10.95	2008	L
F06R-01-BAC	Mountain Run						
Recreation	Escherichia coli	4A			2.64	1998	L
F06R-02-BAC	Beaver Creek						
Recreation	Escherichia coli	4A			2.83	1998	L
F06R-03-BAC	Gold Mine Creek						
Recreation	Escherichia coli	4A			7.53	2002	L
F06R-07-BAC	White Creek						
Recreation	Escherichia coli	4A			6.05	2014	L
F07R-01-BAC	Pamunkey Creek						
Recreation	Escherichia coli	4A			12.70	1998	L
F07R-02-BAC	Terrys Run						
Recreation	Escherichia coli	4A			1.98	1998	L
	Escherichia coli	4A			3.67	2006	L
F07R-03-BAC	Plentiful Creek						
Recreation	Escherichia coli	4A			3.30	1998	L
F07R-04-BAC	Tomahawk Creek						
Recreation	Escherichia coli	4A			3.84	2014	L
F07R-05-BAC	Berry Run						
Recreation	Escherichia coli	4A			2.34	2006	L
	Escherichia coli	4A			2.96	2014	L
F07R-06-BAC	Terrys Run						
Recreation	Escherichia coli	4A			4.36	2010	L
F07R-07-BAC	Clear Creek						
Recreation	Escherichia coli	4A			2.44	2014	L
F07R-08-BAC	Riga Run						
Recreation	Escherichia coli	4A			7.36	2014	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

York River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
F07R-09-BAC	Rocky Run						
Recreation	Escherichia coli	4A			2.40	2014	L
F07R-10-BAC	Church Run						
Recreation	Escherichia coli	4A			0.71	2014	L
F07R-11-BAC	Little Creek						
Recreation	Escherichia coli	4A			2.14	2014	L
F07R-12-BAC	Poor House Run						
Recreation	Escherichia coli	4A			3.51	2014	L
F09R-01-BAC	Northeast Creek						
Recreation	Escherichia coli	4A			6.36	2006	L
	Escherichia coli	4A			3.52	2012	L
F09R-02-BAC	Music Branch						
Recreation	Escherichia coli	4A			3.56	2008	L
F09R-04-BAC	Mill Creek						
Recreation	Escherichia coli	4A			4.37	2012	L
F09R-06-BAC	North Anna River						
Recreation	Escherichia coli	4A			4.15	2016	L
F09R-07-BAC	Unnamed tributary to Northeast Creek						
Recreation	Escherichia coli	4A			3.00	2016	L
F11R-01-BAC	Little River						
Recreation	Escherichia coli	4A			10.50	2008	L
F11R-02-BAC	Beaverdam Creek						
Recreation	Escherichia coli	4A			8.47	2012	L
F11R-03-BAC	Little River						
Recreation	Escherichia coli	4A			18.28	2014	L
F12R-02-BAC	Mechumps Creek						
Recreation	Escherichia coli	4A			5.78	2006	L
F12R-05-BAC	Mechumps Creek						
Recreation	Escherichia coli	4A			1.05	2010	L
F12R-07-BAC	Crump Creek						
Recreation	Escherichia coli	4A			10.00	2008	L
F12R-08-BAC	Pamunkey River						
Recreation	Escherichia coli	4A			12.27	2016	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

York River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
F12R-09-BAC	XEG - Mechumps Creek, UT						
Recreation	Escherichia coli	4A			0.48	2010	L
F12R-11-BAC	Kersey Creek						
Recreation	Escherichia coli	4A			3.32	2012	L
F12R-12-BAC	XJC - Crump Creek, UT						
Recreation	Escherichia coli	4A			1.96	2012	L
F12R-13-BAC	Pollard Creek						
Recreation	Escherichia coli	4A			4.20	2012	L
F13E-01-BAC	Pamunkey River						
Recreation	Escherichia coli	4A	0.307			2008	L
F13E-02-BAC	Pamunkey River						
Recreation	Escherichia coli	4A	0.898			2008	L
F13R-01-BAC	Matadequin Creek						
Recreation	Escherichia coli	4A			4.91	2006	L
F13R-02-BAC	Totopotomoy Creek						
Recreation	Escherichia coli	4A			10.26	2006	L
F13R-03-BAC	Jacks Creek and Major Tributaries						
Recreation	Escherichia coli	4A			21.18	2008	L
F13R-04-BAC	Moncuin Creek, Webb Creek						
Recreation	Escherichia coli	4A			12.12	2006	L
F13R-09-BAC	XDX - UT to XDW (Pamunkey River, UT)						
Recreation	Escherichia coli	4A			3.85	2012	L
F13R-11-BAC	XDW - UT to Pamunkey River						
Recreation	Escherichia coli	4A			5.51	2012	L
F13R-15-BAC	XIW - Jacks Creek, UT						
Recreation	Escherichia coli	4A			2.28	2014	L
F14E-01-BAC	Pamunkey River						
Recreation	Escherichia coli	4A	3.638			2010	L
F14E-03-BAC	Pamunkey River						
Recreation	Enterococcus	4A	4.364			2006	L
F14E-06-BAC	Harrison Creek						
Recreation	Escherichia coli	4A	0.044			2012	L
F14R-02-BAC	Harrison Creek						
Recreation	Escherichia coli	4A			2.80	2008	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

York River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
F14R-04-BAC	XJD - Harrison Creek, UT						
Recreation	Escherichia coli	4A			0.16	2012	L
F15R-02-BAC	Brock Run						
Recreation	Escherichia coli	4A			2.56	2008	H
F16R-01-BAC	Po River						
Recreation	Escherichia coli	4A			7.21	2010	H
F16R-02-BAC	Glady Run						
Recreation	Escherichia coli	4A			9.30	2010	H
F17R-02-BAC	Mattaponi River						
Recreation	Escherichia coli	4A			3.20	2008	H
F17R-03-BAC	Poni River						
Recreation	Escherichia coli	4A			3.21	2010	H
F18R-02-BAC	Matta River						
Recreation	Escherichia coli	4A			11.89	2004	H
F18R-03-BAC	Mat River						
Recreation	Escherichia coli	4A			2.30	2014	H
F19R-02-BAC	Motto River						
Recreation	Escherichia coli	4A			1.80	2014	H
F20R-02-BAC	Polecat Creek						
Recreation	Escherichia coli	4A			5.31	2012	H
F21R-03-BAC	Reedy Creek						
Recreation	Escherichia coli	4A			12.69	2010	H
F21R-04-BAC	Chapel Creek						
Recreation	Escherichia coli	4A			4.64	2014	H
F22R-01-BAC	Maracossic Creek						
Recreation	Escherichia coli	4A			4.21	2006	H
F22R-02-BAC	Doctors Creek						
Recreation	Escherichia coli	4A			2.32	2014	H
F22R-03-BAC	Root Swamp						
Recreation	Escherichia coli	4A			7.83	2014	H
F22R-04-BAC	Beverly Run						
Recreation	Escherichia coli	4A			3.07	2016	L
F24R-01-BAC	Heartquake Creek						
Recreation	Escherichia coli	4A			2.27	2012	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

York River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
F25E-01-BAC	Mattaponi River						
Recreation	Enterococcus	4A	2.525			2006	L
F25R-01-BAC	Tastine Swamp and Little Tastine Swamp						
Recreation	Escherichia coli	4A			6.25	2010	L
F25R-03-BAC	XIN - Tastine Swamp, UT						
Recreation	Escherichia coli	4A			2.40	2010	L
F26E-03-BAC	Queen Creek						
Recreation	Enterococcus	4A	0.432			2002	L
F26E-05-BAC	York River						
Recreation	Enterococcus	4A	7.752			2006	L
F26E-12-SF	Adams Creek-Upper						
Shellfishing	Fecal Coliform	4A	0.060			1998	L
F26E-14-SF	Poropotank River						
Shellfishing	Fecal Coliform	4A	0.447			1998	L
F26E-15-SF	Aberdeen Creek - Upper						
Shellfishing	Fecal Coliform	4A	0.106			1998	L
F26E-16-SF	Queen Creek						
Shellfishing	Fecal Coliform	4A	0.296			1998	L
F26E-17-SF	Skimino Creek						
Shellfishing	Fecal Coliform	4A	0.174			1998	L
F26E-18-SF	Taskinas Creek						
Shellfishing	Fecal Coliform	4A	0.026			1998	L
F26E-19-SF	Ware Creek						
Shellfishing	Fecal Coliform	4A	0.086			1998	L
F26E-20-SF	Baker Creek						
Shellfishing	Fecal Coliform	4A	0.029			2002	L
	Fecal Coliform	4A	0.017			2008	L
F26E-22-SF	Hockley Creek						
Shellfishing	Fecal Coliform	4A	0.055			2002	L
F26E-29-SF	York River						
Shellfishing	Fecal Coliform	4A	0.870			2014	L
F27E-05-BAC	King Creek - Upper						
Recreation	Enterococcus	4A	0.420			1998	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

York River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
F27E-13-SF	King Creek - Upper						
Shellfishing	Fecal Coliform	4A	0.200			1998	L
F27E-15-SF	Northwest Branch Sarah Creek						
Shellfishing	Fecal Coliform	4A	0.222			1998	L
F27E-16-SF	Timberneck Creek - Upper [TMDL-bact]						
Shellfishing	Fecal Coliform	4A	0.130			1998	L
F27E-17-SF	Cedarbush Creek - Upper [TMDL-bact]						
Shellfishing	Fecal Coliform	4A	0.078			1998	L
F27E-18-SF	Carter Cr. (Gloucester Co.) - Upper portion [TMDL-bact]						
Shellfishing	Fecal Coliform	4A	0.180			1998	L
F27E-20-SF	Cedarbush Creek - Mouth						
Shellfishing	Fecal Coliform	4A	0.015			2010	L
F27E-28-SF	Jones Creek						
Shellfishing	Fecal Coliform	4A	0.034			2016	L
F27E-29-SF	Perrin River - Upper						
Shellfishing	Fecal Coliform	4A	0.052			2002	L
	Fecal Coliform	4A	0.025			2016	L
F27E-31-SF	Sarah Creek - Northeast Branch, Middle						
Shellfishing	Fecal Coliform	4A	0.021			2016	L
MPNOH-DO-BAY	Mattaponi River						
Aquatic Life	Oxygen, Dissolved	4A	3.081			2006	L
Open-Water Aquatic Life	Oxygen, Dissolved	4A	3.081			2006	L
MPNTF-DO-BAY	Mattaponi River						
Aquatic Life	Oxygen, Dissolved	4D	3.300			1998	L
Open-Water Aquatic Life	Oxygen, Dissolved	4D	3.300			1998	L
PMKOH-DO-BAY	Pamunkey River						
Aquatic Life	Oxygen, Dissolved	4D	5.272			1998	L
Open-Water Aquatic Life	Oxygen, Dissolved	4D	5.272			1998	L
PMKTF-DO-BAY	Pamunkey River						
Aquatic Life	Oxygen, Dissolved	4D	4.843			1998	L
Open-Water Aquatic Life	Oxygen, Dissolved	4D	4.843			1998	L
YRKMH-DO-BAY	York Mesohaline						
Aquatic Life	Oxygen, Dissolved	4A	0.830			1998	L
	Oxygen, Dissolved	4A	34.058			2006	L
Open-Water Aquatic Life	Oxygen, Dissolved	4A	0.830			1998	L
	Oxygen, Dissolved	4A	34.058			2006	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

York River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
YRKMH-SAV-BAY	York Mesohaline						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	34.888			2006	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	34.888			2006	L
YRKPH-DO-BAY	Chesapeake Bay segment YRKPH						
Aquatic Life	Oxygen, Dissolved	4A	11.796			2004	L
	Oxygen, Dissolved	4A	16.065			2006	L
	Oxygen, Dissolved	4A	0.642			2008	L
	Oxygen, Dissolved	4A	0.371			2010	L
Deep-Water Aquatic Life	Oxygen, Dissolved	4D	11.796			2004	L
	Oxygen, Dissolved	4D	14.137			2006	L
	Oxygen, Dissolved	4D	0.026			2008	L
Open-Water Aquatic Life	Oxygen, Dissolved	4A	11.796			2004	L
	Oxygen, Dissolved	4A	16.065			2006	L
	Oxygen, Dissolved	4A	0.642			2008	L
	Oxygen, Dissolved	4A	0.371			2010	L
YRKPH-SAV-BAY	Chesapeake Bay segment YRKPH						
Aquatic Life	Aquatic Plants (Macrophytes)	4A	28.874			2006	L
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	4A	28.874			2006	L

VA DEQ is transitioning from Fecal Coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreation Use.

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2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

New River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
N05R-01-BAC	Elk Creek						
Recreation	Fecal Coliform	4A			10.91	2002	L
	Escherichia coli	4A			20.29	2006	L
	Escherichia coli	4A			4.60	2006	L
	Escherichia coli	4A			3.06	2016	L
N06R-01-BAC	Chestnut Creek						
Recreation	Escherichia coli	4A			3.19	2004	L
	Escherichia coli	4A			8.68	2014	L
	Escherichia coli	4A			5.68	2016	L
N06R-01-BEN	Chestnut Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			8.68	2002	L
	Benthic-Macroinvertebrate Bioassessments	4A			5.68	2004	L
	Sedimentation/Siltation	4A			8.68	2010	L
N09R-01-BAC	Cripple Creek						
Recreation	Fecal Coliform	4A			9.66	2004	L
	Escherichia coli	4A			16.09	2010	L
N09R-03-BAC	Slate Spring Branch and Dean Branch						
Recreation	Fecal Coliform	4A			6.14	2004	M
	Escherichia coli	4A			6.14	2010	M
	Escherichia coli	4A			1.92	2010	M
N10R-02-BAC	South Fork Reed Creek and Mill Creek						
Recreation	Escherichia coli	4A			13.16	2006	L
	Escherichia coli	4A			14.83	2012	L
N10R-03-BAC	Stony Fork						
Recreation	Escherichia coli	4A			1.90	2006	L
	Escherichia coli	4A			4.73	2012	L
N10R-04-BAC	Tate Run						
Recreation	Escherichia coli	4A			0.56	2006	L
N11R-01-BAC	Reed Creek						
Recreation	Fecal Coliform	4A			1.43	2002	L
	Escherichia coli	4A			20.93	2006	L
	Escherichia coli	4A			1.43	2008	L
	Escherichia coli	4A			6.21	2010	L
	Escherichia coli	4A			10.96	2012	L
N11R-02-BAC	Miller Creek						
Recreation	Escherichia coli	4A			0.42	2006	L
	Escherichia coli	4A			3.64	2012	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

New River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
N11R-03-BAC	McGavock Creek						
Recreation	Escherichia coli	4A			2.58	2012	M
N12R-01-BAC	Cove Creek and St. Lukes Fork						
Recreation	Escherichia coli	4A			9.92	2006	L
	Escherichia coli	4A			1.77	2016	L
N17R-01-BAC	Peak Creek and Tract Fork						
Recreation	Escherichia coli	4A			6.49	2006	L
	Escherichia coli	4A			1.24	2012	L
N17R-01-BEN	Peak Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.49	1996	L
N17R-01-CU	Peak Creek						
Aquatic Life	Copper	4A			3.49	2006	L
N17R-01-ZN	Peak Creek						
Aquatic Life	Zinc	4A			3.49	2006	L
N18R-01-BAC	Crab Creek						
Recreation	Escherichia coli	4A			12.36	2004	L
N18R-01-BEN	Crab Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			12.36	1996	L
N19R-01-BAC	Little River (Upper)						
Recreation	Escherichia coli	4A			34.67	2006	L
N19R-01-TEMP	Little River						
Aquatic Life	Temperature, water	4A			7.59	2002	L
	Temperature, water	4A			27.08	2008	L
N19R-02-BAC	Meadow Run						
Recreation	Escherichia coli	4A			4.00	2006	L
N19R-02-BEN	Meadow Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.00	2008	L
N19R-03-BAC	Pine Creek						
Recreation	Escherichia coli	4A			3.91	2006	L
N19R-03-TEMP	Pine Creek						
Aquatic Life	Temperature, water	4A			3.91	2008	L
N20R-01-BAC	Dodd Creek and West Fork Dodd Creek						
Recreation	Fecal Coliform	4A			8.19	1998	L
	Fecal Coliform	4A			0.53	2002	L
	Escherichia coli	4A			6.44	2008	L
	Escherichia coli	4A			1.31	2010	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

New River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
N20R-01-TEMP	West Fork Dodd Creek						
Aquatic Life	Temperature, water	4A			1.31	2002	L
N20R-02-TEMP	Dodd Creek						
Aquatic Life	Temperature, water	4A			6.44	2008	L
	Temperature, water	4A			2.46	2010	L
N21R-01-BAC	Little River (Lower)						
Recreation	Fecal Coliform	4A			13.41	2004	L
	Escherichia coli	4A			3.70	2006	L
	Escherichia coli	4A		60.44		2008	L
	Escherichia coli	4A			0.49	2010	L
	Escherichia coli	4A			1.39	2012	L
	Escherichia coli	4A			20.70	2012	L
	Escherichia coli	4A			4.53	2012	L
N21R-02-BAC	Meadow Creek						
Recreation	Escherichia coli	4A			4.64	2010	L
N21R-03-BAC	Mill Creek, Poplar Branch, Mill Creek UTs (XDE & XDF)						
Recreation	Fecal Coliform	4A			8.32	2002	L
	Escherichia coli	4A			7.60	2010	L
N21R-05-BAC	Brush Creek						
Recreation	Escherichia coli	4A			5.94	2012	L
N21R-06-BAC	Laurel Creek						
Recreation	Escherichia coli	4A			3.44	2012	L
N21R-07-BAC	Big Indian Creek						
Recreation	Escherichia coli	4A			7.83	2010	L
N21R-07-TEMP	Big Indian Creek						
Aquatic Life	Temperature, water	4A			7.83	2004	L
N22R-02-BEN	Stroubles Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			5.08	1996	L
N22R-03-BAC	Back Creek						
Recreation	Escherichia coli	4A			17.53	2006	L
N22R-03-BEN	Back Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			17.53	2002	L
N31R-01-BAC	Hunting Camp Creek						
Recreation	Escherichia coli	4A			8.93	2006	L

2016 Impaired Waters (Category 4A/4D) TMDL Approved and (Category 4B) Other Control Measures Present*

New River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Revision Priority
N36R-01-BAC	Bluestone River and Big Branch						
Recreation	Fecal Coliform	4A			2.34	2002	L
	Escherichia coli	4A			6.23	2004	L
	Escherichia coli	4A			7.39	2006	L
	Escherichia coli	4A			3.33	2010	L
N36R-01-BEN	Bluestone River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			6.85	2002	L
	Sedimentation/Siltation	4A			6.85	2010	L
N37R-01-BAC	Laurel Fork						
Recreation	Escherichia coli	4A			4.70	2006	L
	Escherichia coli	4A			8.30	2016	L
N37R-01-BEN	Laurel Fork						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.70	1996	L
	Sedimentation/Siltation	4A			4.70	2010	L

VA DEQ is transitioning from Fecal Coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreation Use.

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