Chapter 3.3a List of Category 5 Impaired Waters

The complete integrated list in Chapter 3.3 is a general list of all surface waters in Virginia. The Category 5 Impaired Waters List in Chapter 3.3a is a subset of the integrated list of waters in the Commonwealth which do not support one or more of the applicable designated uses (i.e. wildlife, aquatic life, fish consumption, shellfish consumption, recreation, drinking water and the new Chesapeake Bay uses.) This chapter contains more detailed information about these waters which do not meet Virginia's numeric and/or narrative Water Quality Standards or criteria.

Priority for TMDL Development

Section 303(d) of the Clean Water Act and the Environmental Protection Agency's (EPA) regulation 40 CFR Section 130.7(d) (1) promulgated in July, 1992, requires each state to submit a Total Maximum Daily Load (TMDL) Priority List to EPA in even numbered years. TMDL development priority ranking for Category 5 impaired waters is based on two factors: first, the severity of the impairment, including consideration of the number of beneficial uses lost, number of pollutants responsible for the impairment and the presence of endangered species in the impaired waters; second, the availability of "tools" to develop the TMDL. Availability of tools includes such things as on-going data acquisition activities in the watershed, the existence of current data such as load allocations, and the interest, cooperation and backing of the affected public. Additionally, other programmatic requirements such as the need for the waste load allocation (WLA) component of a TMDL by a VPDES permit may be part of the tools necessary for priority ranking. Waters that are impaired and already have many of the TMDL tools available are generally defined as high priority for TMDL development. Waters with less severe impairments and those with fewer TMDL development tools are ranked medium or low priority for TMDL development.

Due to the TMDL requirements of the 1999 Consent Decree, the priority ranking for newly listed waters, which are not part of the Consent Decree schedule, will have to be considered on a case by case basis. It has become normal practice in Virginia that any new segments within a waterbody already scheduled for TMDL development will be included in that TMDL study if appropriate.

TMDL development dates, localities, dates of listing, and other causes of impairments are found in the Impaired Waters List (Chapter 3.3a). Waters listed as impaired for the first time in the 2008 report are also listed separately in Chapter 3.3b.

All Category 5 waters are considered impaired and likely needing a TMDL. Most, but not necessarily all subcategories of Category 5 will require a TMDL. Waters categorized as 5A, 5B, or 5D in the 2008 Impaired Waters List are waters that DEQ believes need a TMDL study. 5C waters are believed to be impaired due to natural conditions. Further study of each Category 5C water are needed to determine if a TMDL is applicable or if changes to Water Quality Standards are appropriate to reflect those natural conditions. Nevertheless, 5C waters are listed with TMDL development dates in the Impaired Waters List.

Category 5E waters are similar to Category 4B waters. They will meet Water Quality Standards based on permitted limits by means other than a TMDL. 5E waters are waters where the VPDES compliance date is expected to extend beyond the next assessment report date (2010). They are not scheduled for TMDL development as the permit requires compliance with Standards. One example of a "Category 5E" water is an existing facility that cannot be modified to meet new Standards within the next two-year report cycle. In this example, a new facility would be necessary to replace the existing one and a compliance schedule would likely need to be issued with the permit during the interim construction.

Changes in Impaired Water Criteria Since the 2002 Assessment

A significant change in the 2002 assessment that has continued through the 2008 assessment and report was the assessment of fish tissue data and the listing of waters as impaired where two or more exceedences of the human health surface water criteria screening value were detected at the same

station. This action was taken in order to safeguard human health. Additional information regarding fish tissue monitoring and assessment can be found in Chapter 2.1.

Public Participation Process

Immediately before the release of the public comment draft report, DEQ will send a letter of notification to each locality, Department of Health District, Planning District Commission, and Soil and Water Conservation District in Virginia. Included in these letters is a link to a webpage where a "fact sheet" on all impaired waters is available. Notice will also be sent to the Virginia Department of Game and Inland Fisheries and Virginia Marine Resources Commission regarding posting of waters with impairments due to toxic, health related pollutants. DEQ will prepare and send a hard copy of the fact sheets to any of these organizations upon their request.

DEQ will invite public comment on the draft 2008 305(b)/303(d) Integrated Report from June 16 through July 25. There will be a press conference on June 16. To reduce related travel, there will also be one statewide public information teleconference, shown simultaneously at DEQ headquarters and each regional office, on June 24.

On June 16th, the draft 2008 water quality report will be available on the DEQ website at www.deq.virginia.gov/wqa and via CD by request.

Written comments on the draft Integrated Report can be sent to: Darryl M. Glover, DEQ Water Quality Monitoring and Assessment Manager, via e-mail attachment to, dmglover@deq.state.va.us, or (US) mail to P.O. Box 1105, Richmond, Virginia 23218. Please include your name, (US mail) address, telephone number, and e-mail address.

Upon completion of the public participation process, DEQ will prepare a comment response document, make needed revisions to the report, and submit both to EPA. When EPA approves the final report it will, like the draft, be available for download via the Internet at www.deq.virginia.gov/wqa. When approved by EPA, the 2008 final report, including all appendices, will also be available on a compact disc. Map images of impaired waters (by major river basin or sub-basin) along with the entire report and all appendices will be included on these compact discs. These CDs can be pre-ordered now at no cost via the URL above or by calling DEQ at (804) 698-4575. A hard copy of the final 2008 maps can be pre-ordered for a fee that will cover publication and shipping costs. A print and mail order form for hard copy maps is available at the URL above.

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
A02R-02-BAC	North Fork Catoctin Creek						
Recreation	Escherichia coli	5A			3.15	2008	2020
A02R-02-BEN	North Fork Catoctin Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			4.12	2008	2020
A02R-03-BEN	South Fork Catoctin Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.40	2004	2016
	Benthic-Macroinvertebrate Bioassessments	5A			8.82	2008	2020
A02R-05-BAC	Milltown Creek						
Recreation	Escherichia coli	5A			3.66	2006	2018
A02R-06-BAC	Unnamed tributary to Catoctin Creek						
Recreation	Escherichia coli	5A			3.92	2006	2018
A03R-02-BAC	Clarks Run						
Recreation	Escherichia coli	5A			4.92	2008	2020
A03R-03-BAC	Unnamed tributary to Limestone Branch						
Recreation	Escherichia coli	5A			1.88	2006	2018
A04R-01-BAC	Goose Creek						
Recreation	Escherichia coli	5A			4.15	2004	2016
A04R-02-BAC	Gap Run						
Recreation	Fecal Coliform	5A			3.01	2004	2016
A04R-03-BAC	Crooked Run						
Recreation	Fecal Coliform	5A			1.81	2006	2018
A04R-04-BAC	Bolling Branch						
Recreation	Escherichia coli	5A			3.25	2006	2018
A05R-01-BEN	Wancopin Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.19	2008	2020
A05R-02-BAC	Goose Creek						
Recreation	Fecal Coliform	5A			7.21	2004	2016
A05R-03-BAC	Goose Creek						
Recreation	Escherichia coli	5A			5.24	2006	2018
A05R-04-BAC	Panther Skin Creek						
Recreation	Escherichia coli	5A			5.01	2006	2018
A06R-01-BAC	North Fork Goose Creek						
Recreation	Escherichia coli	5A			2.87	2008	2020
A07R-02-BAC	North Fork Beaverdam Creek						
Recreation	Escherichia coli	5A			2.45	2006	2018
A07R-02-BEN	North Fork Beaverdam Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			4.58	2008	2020

AR0012255

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
A07R-03-BAC	Beaverdam Creek						
Recreation	Escherichia coli	5A			1.16	2006	2018
A08R-01-PCB	Broad Run, Difficult Run, Goose Creek, Pimmit Run						
Fish Consumption	PCB in Fish Tissue	5A		39.63	18.92	2006	2018
A08R-02-BAC	Little River						
Recreation	Escherichia coli	5A			6.30	2006	2018
A08R-05-BAC	Tuscarora Creek						
Recreation	Escherichia coli	5A			3.55	2004	2016
A08R-06-BAC	Goose Creek						
Recreation	Escherichia coli	5A			2.52	2006	2018
A08R-07-BAC	Howsers Branch						
Recreation	Escherichia coli	5A			4.56	2008	2020
A09R-01-BEN	Broad Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.86	2006	2018
	Benthic-Macroinvertebrate Bioassessments	5A			5.36	2008	2020
A09R-02-BEN	Broad Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.33	2008	2020
A10R-01-BAC	Sugarland Run						
Recreation	Escherichia coli	5A			4.77	2002	2014
	Escherichia coli	5A			0.95	2006	2014
A11R-01-BAC	Difficult Run						
Recreation	Escherichia coli	5A			2.94	2004	2016
A11R-01-BEN	Difficult Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.94	1998	2010
A11R-01-HEPOXID	Difficult Run						
Fish Consumption	Heptachlor epoxide	5A			2.94	2006	2018
A11R-02-BEN	Captain Hickory Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.00	2008	2020
A11R-03-BAC	Difficult Run						
Recreation	Escherichia coli	5A			3.22	2006	2018
A11R-03-BEN	Difficult Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			5.85	2008	2020
A11R-04-BAC	Snakeden Branch						
Recreation	Escherichia coli	5A			0.79	2006	2018
A11R-05-BAC	Little Difficult Run						
Recreation	Escherichia coli	5A			1.61	2008	2020
A11R-06-BAC	Wolftrap Creek						
Recreation	Escherichia coli	5A			2.57	2008	2020

AR0012256

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
A12E-01-PCB	Potomac River Embayments (FOU downstream until POM)						
Fish Consumption	PCB in Fish Tissue	5A	17.879			2002	2014
	PCB in Fish Tissue	5A	1.777			2004	2014
	PCB in Fish Tissue	5A	3.857			2006	2018
	PCB in Fish Tissue	5A	0.251			2008	2020
A12R-01-BAC	Fourmile Run						
Recreation	Escherichia coli	5A	0.052			1996	2010
A12R-02-BAC	Pimmit Run						
Recreation	Fecal Coliform	5A			7.37	2002	2014
A12R-03-CDANE	Pimmit Run						
Fish Consumption	Chlordane	5A			1.62	2006	2018
A12R-03-HEPOXID	Pimmit Run						
Fish Consumption	Heptachlor epoxide	5A			1.62	2006	2018
A13R-01-PCB	Indian Run						
Fish Consumption	PCB in Fish Tissue	5A			2.94	2006	2018
A13R-02-BAC	Holmes Run						
Recreation	Escherichia coli	5A			3.58	2004	2016
A13R-03-BAC	Cameron Run/Hunting Creek						
Recreation	Escherichia coli	5A	0.526			1998	2010
	Escherichia coli	5A			2.08	2006	2018
A13R-03-BEN	Holmes Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			5.78	2004	2016
A13R-04-BEN	Tripps Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.24	2004	2016
A14E-01-BAC	Little Hunting Creek						
Recreation	Escherichia coli	5A	0.246			2004	2016
A14E-02-BAC	Dogue Creek						
Recreation	Escherichia coli	5A	0.735			2006	2018
A15E-01-BAC	Pohick Creek						
Recreation	Escherichia coli	5A	1.504			2008	2020
A15R-01-BAC	Accotink Creek						
Recreation	Escherichia coli	5A			7.34	2004	2016
A15R-01-BEN	Accotink Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			7.34	1996	2010
A15R-03-BAC	Accotink Creek						
Recreation	Escherichia coli	5A			1.20	2002	2014
A15R-04-BEN	Accotink Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			0.85	2008	2020

AR0012257

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
A15R-05-BEN	Long Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.24	2008	2020
A15R-06-BAC	Long Branch						
Recreation	Escherichia coli	5A			4.76	2008	2020
A16R-01-BAC	Pohick Creek						
Recreation	Escherichia coli	5A			3.21	2006	2018
A16R-02-BAC	Pohick Creek						
Recreation	Escherichia coli	5A			1.52	2006	2018
A17R-03-BAC	Licking Run						
Recreation	Escherichia coli	5A			6.74	2006	2018
A17R-04-BAC	Turkey Run						
Recreation	Escherichia coli	5A			3.45	2006	2018
A17R-05-BAC	Cedar Run						
Recreation	Escherichia coli	5A			1.81	2008	2020
A17R-06-BAC	Walnut Branch						
Recreation	Escherichia coli	5A			1.67	2008	2020
A18R-01-BAC	Elk Run						
Recreation	Escherichia coli	5A			2.17	2008	2020
A18R-02-BAC	Town Run						
Recreation	Escherichia coli	5A			2.36	2008	2020
A18R-02-BEN	Lucky Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.33	2008	2020
A19R-05-BAC	Broad Run						
Recreation	Escherichia coli	5A			1.12	2006	2018
A19R-06-BAC	Broad Run						
Recreation	Escherichia coli	5A			2.22	2006	2018
A19R-07-BAC	Trapp Branch						
Recreation	Escherichia coli	5A			1.46	2006	2018
A19R-08-BAC	Kettle Run						
Recreation	Escherichia coli	5A			3.47	2006	2018
A20R-02-BAC	Purcell Branch						
Recreation	Escherichia coli	5A			3.13	2006	2018
A21R-01-PCB	Bull Run						
Fish Consumption	PCB in Fish Tissue	5A			5.73	2004	2016
	PCB in Fish Tissue	5A		62.78	5.58	2006	2018
A21R-02-BAC	Bull Run						
Recreation	Escherichia coli	5A			4.36	2006	2018

AR0012258

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
A21R-03-BAC	Catharpin Creek						
Recreation	Escherichia coli	5A			6.26	2008	2020
A22R-01-BAC	Cub Run						
Recreation	Escherichia coli	5A			6.73	2006	2018
A22R-01-BEN	Flatlick Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.02	2008	2020
A22R-02-BAC	Elklick Run						
Recreation	Escherichia coli	5A			2.15	2006	2018
A23R-03-BAC	Little Rocky Run						
Recreation	Escherichia coli	5A			4.78	2008	2020
A24L-01-DO	Occoquan Reservoir						
Aquatic Life	Oxygen, Dissolved	5C		1,327.84		2002	2010
A24R-01-BAC	Wolf Run						
Recreation	Escherichia coli	5A			2.11	2006	2018
A24R-02-BAC	Sandy Run						
Recreation	Escherichia coli	5A			5.37	2008	2020
A25E-01-PH	Occoquan River						
Aquatic Life	pH	5A	0.633			2002	2010
A25E-02-BAC	Neabsco Creek						
Recreation	Escherichia coli	5A	0.543			2004	2016
A25E-03-BAC	Occoquan River						
Recreation	Fecal Coliform	5A	0.084			2004	2016
A25E-04-EBEN	Occoquan River						
Aquatic Life	Estuarine Bioassessments	5A	0.286			2006	2018
A25R-01-BAC	Neabsco Creek						
Recreation	Escherichia coli	5A			8.42	2002	2010
A25R-02-BAC	Mills Branch						
Recreation	Fecal Coliform	5A			1.71	2002	2014
A26E-02-BAC	Chopawamsic Creek						
Recreation	Fecal Coliform	5A	0.114			2004	2016
A26E-03-EBEN	Quantico Creek						
Aquatic Life	Estuarine Bioassessments	5A	0.426			2006	2018
A26E-03-EBTOX	Quantico Creek						
Aquatic Life	Sediment Bioassays for Estuarine and Marine Water	5A	0.426			2006	2018
A26R-01-PH	Chopawamsic Creek						
Aquatic Life	pH	5A			0.81	2002	2014

AR0012259

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
A26R-02-BAC	Powells Creek						
Recreation	Escherichia coli	5A			4.62	2006	2014
A26R-03-BAC	Quantico Creek						
Recreation	Escherichia coli	5A			1.45	2004	2016
A26R-04-BAC	North Branch Chopawamsic Creek						
Recreation	Escherichia coli	5A			6.90	2004	2016
A26R-05-BAC	South Fork Quantico Creek						
Recreation	Escherichia coli	5A			4.63	2004	2016
A26R-06-BAC	Little Creek						
Recreation	Escherichia coli	5A			3.78	2006	2018
A27R-01-BAC	Aquia Creek						
Recreation	Escherichia coli	5A			6.47	2004	2016
A28E-01-BAC	Aquia Creek						
Recreation	Enterococcus	5A	0.364			2008	2020
A28E-01-CHLR	Aquia Creek						
Aquatic Life	Chloride	5C	0.364			2004	2016
Wildlife	Chloride	5C	0.364			2004	2016
A28R-01-BAC	Austin Run						
Recreation	Fecal Coliform	5A			0.79	2004	2016
A29E-01-CHLR	Potomac Creek						
Aquatic Life	Chloride	5C	0.600			2004	2016
Wildlife	Chloride	5C	0.600			2004	2016
A29E-02-BAC	Fairview Beach (Potomac River)						
Recreation	Enterococcus	5A	0.012			2006	2018
A29L-01-DO	Curtis Lake						
Aquatic Life	Oxygen, Dissolved	5C		57.99		2006	2018
A29L-01-PH	Curtis Lake						
Aquatic Life	pH	5C		57.99		2002	2010
A29R-01-BAC	Accokeek Creek						
Recreation	Escherichia coli	5A			4.21	2002	2014
A29R-02-BAC	Potomac Creek						
Recreation	Escherichia coli	5A			2.18	2004	2016
A29R-02-DO	Potomac Creek						
Aquatic Life	Oxygen, Dissolved	5C			2.18	2002	2014
A29R-02-PH	Potomac Creek						
Aquatic Life	pH	5C			2.18	2004	2016
A29R-03-BAC	Potomac Run						
Recreation	Escherichia coli	5A			6.13	2006	2018

AR0012260

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
A29R-04-BAC	Potomac Creek						
Recreation	Escherichia coli	5A			3.66	2006	2018
A30E-01-PCB	Coan River, Monroe Creek, Upper Machodoc Creek						
Fish Consumption	PCB in Fish Tissue	5A	1.403			2004	2016
	PCB in Fish Tissue	5A	0.437			2006	2018
A30E-01-SF	Gambo Creek, Upper Machodoc Creek						
Shellfishing	Fecal Coliform	5B	0.234			1998	2010
A30E-02-SF	Upper Machodoc Creek						
Shellfishing	Fecal Coliform	5B	0.029			2004	2010
A30E-03-SF	Upper Machodoc Creek						
Shellfishing	Fecal Coliform	5B	0.500			1998	2010
A30E-04-PH	Williams Creek						
Aquatic Life	pH	5A	0.148			2004	2016
A30E-04-SF	Williams Creek, Upper Machodoc Creek						
Shellfishing	Fecal Coliform	5B	0.133			1998	2010
	Fecal Coliform	5B	0.106			2008	2020
A30E-05-SF	Williams Creek						
Shellfishing	Fecal Coliform	5B	0.015			1998	2010
A30E-06-SF	Deep Creek						
Shellfishing	Fecal Coliform	5B	0.028			2008	2020
A30R-02-BAC	Upper Machodoc Creek						
Recreation	Fecal Coliform	5A			2.19	2004	2016
	Enterococcus	5A	0.500			2006	2018
A31E-01-SF2	Rosier Creek						
Shellfishing	Fecal Coliform	5B	0.104			2006	2018
A31E-07-BAC	Popes Creek						
Recreation	Enterococcus	5A	0.573			2006	2014
A31E-11-BAC	Bridges Creek						
Recreation	Fecal Coliform	5A	0.182			2004	2016
A31R-02-DO	Mattox Creek						
Aquatic Life	Oxygen, Dissolved	5C			31.62	2006	2018
A31R-02-PH	Mattox Creek						
Aquatic Life	pH	5C			31.62	2002	2014
A31R-03-DO	Popes Creek Watershed						
Aquatic Life	Oxygen, Dissolved	5C			14.67	2006	2018
A31R-03-PH	Popes Creek Watershed						
Aquatic Life	pH	5C			14.67	2006	2018

AR0012261

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
A31R-04-DO	Monroe Creek Watershed						
Aquatic Life	Oxygen, Dissolved	5C			8.82	2006	2018
A31R-04-PH	Monroe Creek Watershed						
Aquatic Life	pH	5C			8.82	2006	2018
A32E-04-SF2	Nomini Creek, Pierce Creek						
Shellfishing	Fecal Coliform	5B	0.356			2004	2016
A32E-08-SF	Lower Machodoc Creek						
Shellfishing	Fecal Coliform	5B	0.426			1998	2010
A32E-09-SF	Branson Cove						
Shellfishing	Fecal Coliform	5B	0.020			1998	2010
A32E-10-SF	Weatherall Creek						
Shellfishing	Fecal Coliform	5B	0.056			2004	2016
A32E-11-SF	Cabin Point Creek						
Shellfishing	Fecal Coliform	5B	0.122			2008	2020
A32E-12-SF	Glebe Creek and Ames Creek						
Shellfishing	Fecal Coliform	5B	0.132			2008	2020
A32E-13-SF	Currioman Creek						
Shellfishing	Fecal Coliform	5B	0.020			2008	2020
A32E-14-SF	Poor Jack Creek						
Shellfishing	Fecal Coliform	5B	0.147			2008	2020
A32E-15-SF	Davis Creek						
Shellfishing	Fecal Coliform	5B	0.016			2008	2020
A32E-16-SF	Jules Creek						
Shellfishing	Fecal Coliform	5B	0.045			2008	2020
A32E-17-SF	Matthews Cove						
Shellfishing	Fecal Coliform	5B	0.019			2008	2020
A32E-18-SF	Barnes Creek						
Shellfishing	Fecal Coliform	5B	0.027			2008	2020
A32E-20-SF	Buckner Creek						
Shellfishing	Fecal Coliform	5B	0.065			2008	2020
A32E-21-SF	North Prong Buckner Creek						
Shellfishing	Fecal Coliform	5B	0.060			2008	2020
A32R-01-DO	Thompson Branch						
Aquatic Life	Oxygen, Dissolved	5C			1.58	2006	2018
A32R-01-PH	Thompson Branch						
Aquatic Life	pH	5C			1.58	2006	2018

AR0012262

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
A33E-01-SF	Gardner Creek						
Shellfishing	Fecal Coliform	5B	0.184			1998	2010
A33E-02-SF	Jackson Creek						
Shellfishing	Fecal Coliform	5B	0.137			1998	2010
A33E-03-SF	Bonum Creek						
Shellfishing	Fecal Coliform	5B	0.210			1998	2010
A33E-04-BAC	Lodge Creek						
Recreation	Enterococcus	5A	0.301			2006	2018
A33E-06-SF	Mill Creek and Drum Cove						
Shellfishing	Fecal Coliform	5B	0.093			2006	2018
A33E-12-SF	Shannon Branch						
Shellfishing	Fecal Coliform	5B	0.232			2006	2018
A33E-13-SF	White Point Creek						
Shellfishing	Fecal Coliform	5B	0.052			2008	2020
A33E-14-SF	West Yeocomico River / Long Cove						
Shellfishing	Fecal Coliform	5B	0.157			2008	2020
A33E-15-EBEN	West Yeocomico River						
Aquatic Life	Estuarine Bioassessments	5A	0.424			2008	2020
A33E-16-SF	West Yeocomico River						
Shellfishing	Fecal Coliform	5B	0.053			2008	2020
A33E-17-SF	Lodge Creek						
Shellfishing	Fecal Coliform	5B	0.081			2008	2020
A33E-18-SF	Palmer Cove						
Shellfishing	Fecal Coliform	5B	0.094			2008	2020
A33E-19-SF	Dungan Cove						
Shellfishing	Fecal Coliform	5B	0.063			2008	2020
A33R-01-BAC	Mill Creek						
Recreation	Fecal Coliform	5A			3.94	2002	2014
A33R-01-PH	Mill Creek						
Aquatic Life	pH	5C			3.94	2002	2014
A34E-01-SF2	The Glebe						
Shellfishing	Fecal Coliform	5B	0.089			1998	2016
A34E-05-SF2	Mill Creek and the Coan River						
Shellfishing	Fecal Coliform	5B	0.349			1998	2010
A34E-06-SF	Fountain Cove						
Shellfishing	Fecal Coliform	5B	0.087			2006	2018

AR0012263

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
A34E-07-SF	Cod Creek						
Shellfishing	Fecal Coliform	5B	0.115			1998	2010
A34E-08-SF	Cod Creek						
Shellfishing	Fecal Coliform	5B	0.079			1998	2010
A34E-09-SF	Presley Creek						
Shellfishing	Fecal Coliform	5B	0.334			1998	2010
A34E-10-SF	Bridgeman Creek						
Shellfishing	Fecal Coliform	5B	0.045			1998	2010
A34E-12-SF	Hull Creek						
Shellfishing	Fecal Coliform	5B	0.439			1998	2010
A34E-13-SF	Rogers Creek						
Shellfishing	Fecal Coliform	5B	0.035			1998	2010
A34E-14-BAC	Cubitt Creek						
Recreation	Fecal Coliform	5A	0.227			1998	2010
A34E-14-SF	Cubitt Creek						
Shellfishing	Fecal Coliform	5B	0.227			1998	2010
A34E-16-SF2	Little Wicomico River						
Shellfishing	Fecal Coliform	5B	0.259			2004	2016
A34E-17-SF	Bridge Creek						
Shellfishing	Fecal Coliform	5B	0.182			2006	2018
A34E-21-SF	Kingscote Creek						
Shellfishing	Fecal Coliform	5B	0.155			2006	2018
A34E-22-SF	Wrights Cove						
Shellfishing	Fecal Coliform	5B	0.034			2004	2016
A34E-23-SF	The Glebe						
Shellfishing	Fecal Coliform	5B	0.048			2004	2016
A34E-25-SF	Boathouse Creek						
Shellfishing	Fecal Coliform	5B	0.067			2004	2016
A34E-26-SF	The Glebe						
Shellfishing	Fecal Coliform	5B	0.218			2006	2018
A34E-26-SF2	The Glebe						
Shellfishing	Fecal Coliform	5B	0.022			2006	2018
A34E-28-SF	Slough Creek						
Shellfishing	Fecal Coliform	5B	0.037			2006	2018
A34E-29-SF	Ellyson Creek						
Shellfishing	Fecal Coliform	5B	0.047			2006	2018

AR0012264

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
A34E-30-SF	Little Wicomico River						
Shellfishing	Fecal Coliform	5B	0.186			2006	2018
A34E-31-BAC	Little Wicomico River						
Recreation	Enterococcus	5A	0.465			2006	2018
A34E-32-SF	Coan River						
Shellfishing	Fecal Coliform	5B	0.168			1998	2016
A34E-33-SF	Bridgemans Back Creek						
Shellfishing	Fecal Coliform	5B	0.078			2008	2020
A34E-34-SF	Little Wicomico River, Back Creek						
Shellfishing	Fecal Coliform	5B	0.184			2008	2020
A34E-35-SF	The Glebe						
Shellfishing	Fecal Coliform	5B	0.033			2008	2020
A34E-36-SF	Hack Creek						
Shellfishing	Fecal Coliform	5B	0.215			2008	2020
A34R-01-BAC	Coan Mill Stream						
Recreation	Escherichia coli	5A			1.11	2008	2014
A34R-02-PH	Little Wicomico River						
Aquatic Life	pH	5C			2.32	2006	2018
B02R-01-BEN	West Strait Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			0.32	1996	2010
	Benthic-Macroinvertebrate Bioassessments	5A			0.85	2004	2010
B02R-02-BEN	Strait Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.23	2002	2014
B02R-05-BAC	South Branch Potomac River						
Recreation	Escherichia coli	5A			10.17	2006	2018
B02R-06-BAC	Strait Creek						
Recreation	Escherichia coli	5A			5.99	2006	2018
B05R-02-BAC	Little Isaacs Creek						
Recreation	Escherichia coli	5A			9.53	2008	2020
B06R-02-BAC	Hogue Creek						
Recreation	Fecal Coliform	5A			16.55	2002	2014
	Escherichia coli	5A			16.55	2008	2014
B07R-01-BAC	Babbs Run						
Recreation	Fecal Coliform	5A			11.46	2004	2016
B09R-04-BEN	Redbud Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			8.05	2004	2016
B12R-01-PCB	Lewis Creek						
Fish Consumption	PCB in Fish Tissue	5A			9.74	2004	2016

AR0012265

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 Dev. Date
B14R-03-TEMP	Long Meadow Run						
Aquatic Life	Temperature, water	5C			10.06	2006	2018
B16L-01-PH	Elkhorn Lake						
Aquatic Life	pH	5A		50.70		2006	2018
B16L-02-PH	Staunton Dam Lake						
Aquatic Life	pH	5A		20.60		2006	2018
B16R-01-PH	North River						
Aquatic Life	pH	5A			21.80	2002	2014
B18R-01-BEN	Wolf Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.13	2002	2014
	Benthic-Macroinvertebrate Bioassessments	5A			1.98	2004	2016
B18R-01-PH	Wolf Run						
Aquatic Life	pH	5A			3.11	2006	2018
B18R-02-PH	Briery Branch						
Aquatic Life	pH	5C			7.01	2002	2014
B18R-05-BAC	Briery Branch						
Recreation	Fecal Coliform	5A			1.47	2004	2016
B18R-06-PH	Rocky Run						
Aquatic Life	pH	5A			1.95	2006	2018
B18R-07-PH	Union Springs Run						
Aquatic Life	pH	5A			3.65	2006	2018
B20L-01-PH	Switzer Lake						
Aquatic Life	pH	5A		99.49		2006	2018
B20L-01-TEMP	Switzer Lake						
Aquatic Life	Temperature, water	5A		99.49		2006	2018
B20R-01-PH	Dry River						
Aquatic Life	pH	5A			10.04	2002	2014
	pH	5A			3.95	2004	2016
B30R-02-PH	Loves Run						
Aquatic Life	pH	5A			5.02	2006	2018
B31L-01-PH	Coles Run Reservoir						
Aquatic Life	pH	5A		11.44		2008	2020
B31R-01-BEN	Back Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			13.31	2002	2014
B31R-02-BEN	Mills Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			8.51	2002	2014
B31R-04-PH	Coles Run						
Aquatic Life	pH	5A			6.11	2006	2018

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
B31R-05-PH	Johns Run						
Aquatic Life	pH	5A			4.86	2006	2018
B31R-06-PH	Kennedy Creek						
Aquatic Life	pH	5A			9.49	2006	2018
B31R-07-PH	Orebank Creek						
Aquatic Life	pH	5A			3.00	2006	2018
B32R-01-BEN	South River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			5.43	1996	2010
	Benthic-Macroinvertebrate Bioassessments	5A			13.91	2008	2010
B32R-02-BAC	South River						
Recreation	Fecal Coliform	5A			24.63	1996	2010
	Escherichia coli	5A			13.91	2006	2010
B32R-02-HG	South River/South Fork Shenandoah River/North Fork Shenandoah River/Shenandoah River						
Fish Consumption	Mercury in Fish Tissue	5A			124.95	1998	2010
	Mercury in Fish Tissue	5A			4.85	2002	2010
	Mercury in Fish Tissue	5A			26.29	2008	2010
B32R-02-PCB	South River						
Fish Consumption	PCB in Fish Tissue	5A			5.29	2008	2020
B32R-03-PH	Paine Run						
Aquatic Life	pH	5A			6.26	2004	2016
B32R-04-PH	Meadow Run						
Aquatic Life	pH	5A			6.87	2004	2016
B33R-01-BAC	South Fork Shenandoah River						
Recreation	Fecal Coliform	5A			59.00	2002	2010
	Escherichia coli	5A			25.57	2008	2010
B33R-01-BEN	South Fork Shenandoah River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			59.00	1998	2010
B33R-02-PH	Deep Run						
Aquatic Life	pH	5A			4.33	2004	2016
B33R-03-PH	Lower Lewis Run						
Aquatic Life	pH	5A			3.66	2006	2018
B35R-01-BAC	Boone Run						
Recreation	Fecal Coliform	5A			13.08	2002	2014
B35R-02-BAC	Quail Run						
Recreation	Fecal Coliform	5A			4.89	2004	2016
	Escherichia coli	5A			4.89	2008	2016
B35R-03-BEN	Quail Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5C			1.28	2002	2014

AR0012267

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 Dev. Date
B35R-04-PH	Two Mile Run						
Aquatic Life	pH	5A			4.70	2006	2018
B36R-01-BEN	Naked Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			12.44	1998	2010
B37R-01-BAC	Cub Run						
Recreation	Fecal Coliform	5A			9.62	2004	2016
	Escherichia coli	5A			9.62	2008	2016
B37R-02-BAC	Line Run						
Recreation	Escherichia coli	5A			3.90	2006	2018
B37R-03-BAC	Honey Run						
Recreation	Escherichia coli	5A			4.53	2008	2020
B38R-02-BAC	Big Run						
Recreation	Escherichia coli	5A			5.40	2006	2018
B39R-03-BEN	East Hawksbill Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			9.13	2008	2020
B39R-03-PH	Rocky Branch						
Aquatic Life	pH	5A			4.18	2004	2016
B40R-01-PH	Jeremys Run						
Aquatic Life	pH	5A			10.94	2004	2016
B40R-02-BAC	Flint Run						
Recreation	Fecal Coliform	5A			11.40	2004	2016
B40R-03-TEMP	Gooney Run						
Aquatic Life	Temperature, water	5A			18.38	2006	2018
B41R-01-BAC	Happy Creek						
Recreation	Fecal Coliform	5A			8.42	2004	2016
B41R-03-BEN	Happy Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			8.42	2008	2020
B43R-01-PH	Little Dry River						
Aquatic Life	pH	5A			34.75	2004	2016
B45R-01-BEN	Long Meadow Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			8.53	2002	2014
B45R-02-BAC	Turley Creek						
Recreation	Fecal Coliform	5A			4.01	2002	2014
B45R-02-BEN	Turley Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			4.01	2002	2014
B45R-05-BEN	North Fork Shenandoah River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			11.81	2008	2020

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 Dev. Date
B47R-01-BEN	Fridley Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.39	2002	2014
B47R-01-PH	Fridley Run						
Aquatic Life	pH	5A			2.39	2006	2014
B47R-04-BEN	Mountain Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			5.98	2002	2014
B47R-07-BEN	Dry Fork						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			10.06	2006	2018
B48R-02-BEN	Crooked Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.89	2008	2020
B49R-01-BEN	Stony Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			5.76	2008	2020
B49R-04-BEN	Laurel Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.72	2002	2014
B49R-05-BEN	Little Stony Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.24	2004	2016
B49R-07-TEMP	Stony Creek						
Aquatic Life	Temperature, water	5A			9.45	2006	2018
B50R-02-BAC	Narrow Passage Creek						
Recreation	Fecal Coliform	5A			10.75	2002	2014
	Escherichia coli	5A			10.75	2008	2014
B50R-03-BAC	Pughs Run						
Recreation	Fecal Coliform	5A			5.86	2004	2016
	Escherichia coli	5A			5.86	2008	2016
B51R-01-BAC	Tumbling Run						
Recreation	Fecal Coliform	5A			4.13	2004	2016
	Escherichia coli	5A			4.13	2008	2016
B51R-02-BAC	North Fork Shenandoah River						
Recreation	Escherichia coli	5A			5.29	2008	2020
B52R-03-BEN	Cedar Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.53	2002	2014
B53R-01-BAC	Cedar Creek						
Recreation	Escherichia coli	5A			14.19	2008	2020
B54R-01-BAC	Passage Creek						
Recreation	Fecal Coliform	5A			18.47	2006	2016
	Escherichia coli	5A			18.47	2008	2016
B55R-01-BAC	Manassas Run						
Recreation	Fecal Coliform	5A			9.15	2004	2016

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 Dev. Date
B55R-02-BAC	Borden Marsh Run						
Recreation	Escherichia coli	5A			9.46	2006	2018
B55R-03-BAC	Willow Brook						
Recreation	Escherichia coli	5A			3.95	2006	2018
B56R-01-BAC	Crooked Run						
Recreation	Fecal Coliform	5A			8.87	2002	2014
	Escherichia coli	5A			8.87	2008	2014
B56R-01-DO	Crooked Run						
Aquatic Life	Oxygen, Dissolved	5A			8.87	2008	2020
B56R-02-DO	Stephens Run						
Aquatic Life	Oxygen, Dissolved	5A			0.95	2008	2020
B56R-03-DO	Crooked Run X-trib						
Aquatic Life	Oxygen, Dissolved	5A			0.09	2006	2018
B57R-01-BAC	Page Brook Run/Spout Run						
Recreation	Fecal Coliform	5A			3.70	1998	2010
	Fecal Coliform	5A			8.78	2004	2016
B57R-01-BEN	Spout Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.70	1998	2010
B57R-02-BAC	Long Branch						
Recreation	Fecal Coliform	5A			3.63	2004	2016
	Escherichia coli	5A			3.63	2008	2016
B57R-03-BAC	Chapel Run						
Recreation	Escherichia coli	5A			9.44	2008	2020
B57R-03-BEN	Chapel Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			9.44	2006	2018
B58R-02-BAC	Dog Run						
Recreation	Escherichia coli	5A			4.80	2008	2020
B58R-03-BAC	Wheat Spring Branch						
Recreation	Escherichia coli	5A			4.31	2008	2020
CB5MH-SAV-BAY	Chesapeake Bay segment CB5MH						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	2.677			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	2.677			2006	2010
POTMH-DO-BAY	Potomac Mesohaline Embayments						
Aquatic Life	Oxygen, Dissolved	5A	2.757			2002	2010
	Oxygen, Dissolved	5A	0.426			2004	2010
	Oxygen, Dissolved	5A	28.867			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	2.757			2002	2010
	Oxygen, Dissolved	5A	0.426			2004	2010
	Oxygen, Dissolved	5A	28.867			2006	2010

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
POTMH-SAV-BAY	Potomac Mesohaline Embayments						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	32.049			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	32.049			2006	2010

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

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

AR0012271

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
APPTF-SAV-BAY	Appomattox River						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	2.705			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	2.705			2006	2010
CHKOH-DO-BAY	Chickahominy River						
Aquatic Life	Oxygen, Dissolved	5A	9.643			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	9.643			2006	2010
EBEMH-DO-BAY	Eastern Branch, Elizabeth River and Indian River						
Aquatic Life	Oxygen, Dissolved	5A	2.028			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	2.028			2006	2010
ELIPH-DO-BAY	Chesapeake Bay segment ELIPH (Elizabeth River Mainstem)						
Aquatic Life	Oxygen, Dissolved	5A	8.186			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	8.186			2006	2010
G01E-01-BAC	James River						
Recreation	Escherichia coli	5A	1.447			1996	2010
	Escherichia coli	5A	4.291			2006	2010
	Escherichia coli	5A	1.011			2008	2010
G01E-02-CHLA	James River						
Aquatic Life	Chlorophyll-a	5A	6.003			2008	2010
Open-Water Aquatic Life	Chlorophyll-a	5A	6.003			2008	2010
G01E-03-PCB	James River and Various Tributaries						
Fish Consumption	PCB in Fish Tissue	5A	71.590			2002	2014
	PCB in Fish Tissue	5A	10.981			2004	2016
	PCB in Fish Tissue	5A	164.510		7.50	2006	2018
	PCB in Fish Tissue	5A	0.012			2008	2014
G01L-01-BAC	Falling Creek Reservoir						
Recreation	Escherichia coli	5A		88.37		2008	2020
G01R-01-BAC	Goode Creek						
Recreation	Escherichia coli	5A			1.22	2006	2014
G01R-02-BAC	Almond Creek						
Recreation	Escherichia coli	5A			2.08	2006	2010
G01R-02-PH	Almond Creek and UTs XVO and XVP						
Aquatic Life	pH	5A			2.47	2004	2016
G01R-03-BAC	Falling Creek						
Recreation	Escherichia coli	5A			3.10	2006	2014
G01R-04-BAC	Falling Creek						
Recreation	Escherichia coli	5A			16.55	2006	2018
G01R-04-DO	Falling Creek						
Aquatic Life	Oxygen, Dissolved	5A			0.93	2008	2020

AR0012272

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
G01R-05-BAC	Kingsland Creek						
Recreation	Escherichia coli	5A			8.34	2006	2018
G01R-05-PH	Kingsland Creek						
Aquatic Life	pH	5C			8.34	2006	2018
G01R-06-BAC	Gillies Creek						
Recreation	Escherichia coli	5A			5.75	2008	2016
G01R-06-PH	Gillies Creek						
Aquatic Life	pH	5A			5.75	2004	2016
G01R-08-BAC	No Name Creek						
Recreation	Escherichia coli	5A			2.07	2008	2016
G01R-09-DO	UT to James River						
Aquatic Life	Oxygen, Dissolved	5A			0.39	2004	2016
G01R-09-PH	UT to James River						
Aquatic Life	pH	5A			0.39	2004	2016
G01R-10-BAC	Pocoshock Creek						
Recreation	Escherichia coli	5A			8.54	2008	2018
G01R-11-BAC	Broad Rock Creek						
Recreation	Escherichia coli	5A			3.05	2006	2018
G01R-12-DO	Coles Run, UT						
Aquatic Life	Oxygen, Dissolved	5A			1.13	2006	2018
G01R-12-PH	Coles Run, UT						
Aquatic Life	pH	5A			1.13	2006	2018
G01R-13-BAC	Almond Creek, UT (XYA)						
Recreation	Escherichia coli	5A			1.11	2008	2020
G01R-14-BAC	Cornelius Creek						
Recreation	Escherichia coli	5A			6.69	2008	2020
G01R-15-BAC	Proctors Creek						
Recreation	Escherichia coli	5A			7.82	2008	2020
G01R-16-BAC	Horners Run						
Recreation	Escherichia coli	5A			2.32	2008	2020
G01R-17-BAC	Falling Creek, UT						
Recreation	Escherichia coli	5A			2.34	2008	2020
G01R-18-BAC	Licking Creek						
Recreation	Escherichia coli	5A			3.80	2008	2020
G01R-19-BAC	Stony Run						
Recreation	Escherichia coli	5A			3.02	2008	2020

AR0012273

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
G02E-02-CHLA	James River						
Aquatic Life	Chlorophyll-a	5A	26.085			2008	2010
Open-Water Aquatic Life	Chlorophyll-a	5A	26.085			2008	2010
G02R-02-DO	Roundabout Creek						
Aquatic Life	Oxygen, Dissolved	5C			2.06	2006	2018
G02R-02-PH	Roundabout Creek						
Aquatic Life	pH	5C			2.06	2004	2016
G02R-03-DO	Johnson Creek Watershed						
Aquatic Life	Oxygen, Dissolved	5C			14.02	2004	2016
G02R-03-PH	Johnson Creek Watershed						
Aquatic Life	pH	5C			14.02	2004	2016
G02R-04-DO	Western Run						
Aquatic Life	Oxygen, Dissolved	5C			3.02	2008	2020
G02R-04-PH	Western Run						
Aquatic Life	pH	5C			3.02	2004	2016
G02R-05-BAC	Crewes Channel						
Recreation	Escherichia coli	5A			3.29	2008	2020
G02R-05-PH	Crewes Channel						
Aquatic Life	pH	5C			3.29	2004	2016
G02R-06-DO	Upper Fourmile Creek						
Aquatic Life	Oxygen, Dissolved	5C			5.88	2006	2018
G02R-07-BAC	Western Run						
Recreation	Escherichia coli	5A			3.02	2006	2018
G02R-08-DO	Turkey Island Creek						
Aquatic Life	Oxygen, Dissolved	5C			10.32	2008	2020
G03E-01-BAC	Bailey Creek (tidal), Cattail Creek (tidal)						
Recreation	Escherichia coli	5A	0.120			1998	2010
G03E-01-PH	Bailey Creek (tidal), Cattail Creek (tidal)						
Aquatic Life	pH	5A	0.120			2004	2016
G03E-04-BAC	James River						
Recreation	Escherichia coli	5A	13.821			2006	2014
G03L-01-DO	Harrison Lake						
Aquatic Life	Oxygen, Dissolved	5A		60.26		2006	2018
G03L-01-HG	Harrison Lake						
Fish Consumption	Mercury in Fish Tissue	5A		60.26		2008	2020
G03L-01-PH	Harrison Lake						
Aquatic Life	pH	5A		60.26		2006	2018

AR0012274

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
G03R-02-ALD	Bailey Creek						
Fish Consumption	Aldrin	5A			6.05	2002	2014
G03R-02-BAC	Bailey Creek						
Recreation	Escherichia coli	5A			6.05	2008	2010
G03R-02-DO	Bailey Creek						
Aquatic Life	Oxygen, Dissolved	5A			0.91	2008	2020
G03R-02-PCB	Bailey Creek						
Fish Consumption	PCB in Fish Tissue	5A			6.05	2002	2014
G03R-04-PH	West Run						
Aquatic Life	pH	5C			1.80	2004	2016
G03R-06-BEN	UT (XUD) to West Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.53	2008	2020
G03R-06-PH	UT (XUD) to West Run						
Aquatic Life	pH	5C			1.53	2006	2018
G03R-07-BAC	Walls Run						
Recreation	Escherichia coli	5A			5.77	2006	2018
G03R-08-BAC	Cattail Creek						
Recreation	Escherichia coli	5A			1.96	2008	2020
G03R-09-BAC	Southerly Run						
Recreation	Escherichia coli	5A			3.03	2008	2020
G03R-10-BAC	Powell Creek, UT						
Recreation	Escherichia coli	5A			1.69	2008	2020
G04E-01-CHLR	James River						
Aquatic Life	Chloride	5C	12.335			2004	2016
Wildlife	Chloride	5C	12.335			2004	2016
G04E-02-EBEN	James River						
Aquatic Life	Estuarine Bioassessments	5C	8.579			2004	2016
G04E-04-CHLA	James River						
Aquatic Life	Chlorophyll-a	5A	46.539			2008	2010
Open-Water Aquatic Life	Chlorophyll-a	5A	46.539			2008	2010
G04R-01-BAC	Wards Creek						
Recreation	Escherichia coli	5A			7.66	2006	2018
G04R-02-BAC	Upper Chippokes Creek						
Recreation	Escherichia coli	5A			5.23	2008	2020
G05R-01-DO	Chickahominy River, UT - Unnamed Tributary						
Aquatic Life	Oxygen, Dissolved	5A			1.11	2008	2020

AR0012275

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
G05R-01-NH3	Chickahominy River, UT - Unnamed Tributary						
Aquatic Life	Ammonia (Un-ionized)	5A			1.11	2008	2020
Wildlife	Ammonia (Un-ionized)	5A			1.11	2008	2020
G05R-01-TEMP	Chickahominy River, UT - Unnamed Tributary						
Aquatic Life	Temperature, water	5A			1.11	2008	2020
G05R-02-BAC	Upham Brook Watershed						
Recreation	Escherichia coli	5A			48.38	2006	2010
G05R-05-BAC	Stony Run						
Recreation	Fecal Coliform	5A			0.21	2004	2016
G05R-06-BEN	Grassy Swamp Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			0.98	2008	2020
G05R-06-DO	Grassy Swamp Creek						
Aquatic Life	Oxygen, Dissolved	5C			0.98	2008	2020
G05R-06-PH	Grassy Swamp Creek						
Aquatic Life	pH	5C			0.98	2006	2018
G05R-07-DO	Chickahominy River, UT (XDD)						
Aquatic Life	Oxygen, Dissolved	5A			0.61	2006	2018
G05R-08-DO	Upham Brook						
Aquatic Life	Oxygen, Dissolved	5A			0.65	2006	2018
G05R-09-BEN	North Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.53	2008	2020
G05R-09-PH	North Run						
Aquatic Life	pH	5A			3.53	2006	2018
G05R-10-DO	Upham Brook						
Aquatic Life	Oxygen, Dissolved	5A			1.13	2008	2020
G05R-11-DO	Upham Brook, UT (XXP)						
Aquatic Life	Oxygen, Dissolved	5A			1.02	2008	2020
G06R-06-PH	Beaverdam Creek						
Aquatic Life	pH	5C			6.60	2004	2016
G06R-07-PH	Boatswain Creek						
Aquatic Life	pH	5C			3.40	2004	2016
G06R-08-DO	White Oak Swamp						
Aquatic Life	Oxygen, Dissolved	5C			3.47	2006	2018
G06R-09-DO	White Oak Swamp Creek						
Aquatic Life	Oxygen, Dissolved	5C			3.91	2006	2018
G06R-10-DO	Deep Run						
Aquatic Life	Oxygen, Dissolved	5C			2.33	2006	2018

AR0012276

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
G06R-11-DO	Bloody Run						
Aquatic Life	Oxygen, Dissolved	5C			1.05	2004	2016
G06R-11-PH	Bloody Run						
Aquatic Life	pH	5C			1.05	2004	2016
G06R-12-BAC	Beaverdam Creek						
Recreation	Escherichia coli	5A			6.60	2006	2018
G06R-13-BAC	Boatswain Creek						
Recreation	Escherichia coli	5A			3.40	2006	2018
G06R-14-BAC	Chickahominy River						
Recreation	Escherichia coli	5A			7.50	2008	2020
G06R-14-PH	Possum Run						
Aquatic Life	pH	5C			4.56	2008	2020
G07L-01-HG	Chickahominy Lake						
Fish Consumption	Mercury in Fish Tissue	5A		1,049.46		2008	2020
G07R-01-BAC	Collins Run						
Recreation	Fecal Coliform	5A			4.36	2002	2014
G07R-01-PH	Collins Run						
Aquatic Life	pH	5A			4.36	2002	2014
G07R-02-DO	Rumley Marsh						
Aquatic Life	Oxygen, Dissolved	5C			5.77	2002	2014
G07R-04-BAC	Collins Run						
Recreation	Fecal Coliform	5A			0.99	2004	2016
G08E-02-CHLR	Chickahominy River						
Aquatic Life	Chloride	5C	5.916			2004	2016
Wildlife	Chloride	5C	5.916			2004	2016
G08E-04-BAC	Chickahominy River						
Recreation	Enterococcus	5A	5.916			2006	2018
G08E-05-EBEN	Gordon Creek						
Aquatic Life	Estuarine Bioassessments	5A	0.296			2006	2018
G08E-06-BAC	Chickahominy River						
Recreation	Enterococcus	5A	1.369			2008	2020
G08L-01-DO	Little Creek Reservoir						
Aquatic Life	Oxygen, Dissolved	5A		925.72		2008	2020
G08R-01-BAC	Morris Creek						
Recreation	Escherichia coli	5A			7.73	2008	2010
G08R-02-BAC	Mill Creek						
Recreation	Fecal Coliform	5A			4.69	2004	2016

AR0012277

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
G08R-02-DO	Mill Creek						
Aquatic Life	Oxygen, Dissolved	5C			4.69	2004	2016
G09R-01-BAC	Beaverdam Creek						
Recreation	Fecal Coliform	5A			4.08	2004	2016
G09R-01-DO	Beaverdam Creek						
Aquatic Life	Oxygen, Dissolved	5A			4.08	2002	2014
G09R-02-BAC	Diascund Creek						
Recreation	Escherichia coli	5A			6.88	2008	2020
G09R-02-DO	Diascund Creek						
Aquatic Life	Oxygen, Dissolved	5C			6.88	2008	2020
G10E-01-BAC	Powhatan Creek/Sandy Bay and Mill Creek						
Recreation	Enterococcus	5A	0.276			1998	2010
G10E-04-CHLA	James River Mainstem						
Aquatic Life	Chlorophyll-a	5A	123.373			2008	2010
Open-Water Aquatic Life	Chlorophyll-a	5A	123.373			2008	2010
G10E-05-EBEN	James River Mainstem - Chickahominy R. to Hog Point						
Aquatic Life	Estuarine Bioassessments	5A	37.960			2004	2016
G10E-06-BAC	College Creek						
Recreation	Enterococcus	5A	0.568			2006	2018
G10E-08-CHLR	James River Mainstem - Chickahominy R. to Hog Point						
Aquatic Life	Chloride	5C	29.699			2008	2020
G10R-01-BAC	College Run						
Recreation	Fecal Coliform	5A			2.39	2002	2014
G10R-02-BEN	Powhatan Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			5.35	2002	2014
G11E-01-BAC	Warwick River - Middle Tidal Portion						
Recreation	Enterococcus	5A	0.075			2008	2020
G11E-03-BAC	Deep Creek - Lower						
Recreation	Enterococcus	5A	0.101			2006	2010
G11E-04-BAC	Pagan River - Upstream of Chalmers Point						
Recreation	Enterococcus	5A	0.382			1998	2010
G11E-12-SF	Skiffes Creek System						
Shellfishing	Fecal Coliform	5B	0.566			1998	2010
G11E-14-SF	Lawnes Creek						
Shellfishing	Fecal Coliform	5B	0.292			1998	2010
G11E-16-SF	Pagan River, Cypress & Jones Creeks and Chuckatuck & Brewers Creeks						
Shellfishing	Fecal Coliform	5B	4.050			1998	2010

AR0012278

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
G11E-17-SF	Ballard Creek & Bay and Kings Creek & Bay						
Shellfishing	Fecal Coliform	5B	0.096			1998	2010
G11E-18-SF	Tylers Beach Boat Basin						
Shellfishing	Fecal Coliform	5B	0.003			1998	2010
G11L-01-CU	Lee Hall Reservoir						
Aquatic Life	Copper	5A		290.06		2004	2016
Wildlife	Copper	5A		290.06		2004	2016
G11L-01-DO	Lee Hall Reservoir						
Aquatic Life	Oxygen, Dissolved	5A		290.06		2006	2018
G11L-02-DO	Lone Star Lake G						
Aquatic Life	Oxygen, Dissolved	5A		89.61		2006	2018
G11L-03-DO	Lone Star Lake I						
Aquatic Life	Oxygen, Dissolved	5A		33.08		2006	2018
G11L-04-DO	Lone Star Lake F						
Aquatic Life	Oxygen, Dissolved	5A		18.69		2006	2018
G11R-01-BAC	Baptist Run						
Recreation	Fecal Coliform	5A			3.05	2004	2016
G11R-02-BEN	Chuckatuck Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.44	2004	2016
G12L-01-DO	Lake Cahoon						
Aquatic Life	Oxygen, Dissolved	5A		454.16		2006	2018
G12L-02-DO	Lake Meade						
Aquatic Life	Oxygen, Dissolved	5A		489.61		2006	2018
G12L-03-DO	Speights Run Lake						
Aquatic Life	Oxygen, Dissolved	5A		117.81		2006	2018
G12L-04-DO	Lake Kilby						
Aquatic Life	Oxygen, Dissolved	5A		200.03		2006	2018
G13E-07-PH	Shingle Creek, Tributary to Nansemond R.						
Aquatic Life	pH	5A	0.039			2002	2014
G13E-08-EBEN	Nansemond River Mainstem Estuarine Bioassessment Impairments						
Aquatic Life	Estuarine Bioassessments	5A	10.063			2006	2018
G13E-12-BAC	Bennett Creek, Tributary to Nansemond River						
Recreation	Enterococcus	5A	0.467			2004	2016
G13E-12-SF	Bennett, Bleakhorn and Knotts Creek						
Shellfishing	Fecal Coliform	5B	0.642			1998	2010
G14L-01-DO	Lake Burnt Mills						
Aquatic Life	Oxygen, Dissolved	5A		637.99		2006	2018

AR0012279

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
G14L-02-DO	Western Branch Reservoir						
Aquatic Life	Oxygen, Dissolved	5A		1,205.37		2006	2018
G14L-03-DO	Lake Prince - Reservoir						
Aquatic Life	Oxygen, Dissolved	5A		708.85		2006	2018
G14R-01-BEN	Carbell Swamp - Upper						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.55	2004	2016
G14R-01-PH	Carbell Swamp - Upper						
Aquatic Life	pH	5A			2.55	2002	2014
G14R-02-DO	Carbell Swamp- Lower						
Aquatic Life	Oxygen, Dissolved	5A			1.33	2008	2020
G15E-01-01-EBEN	Elizabeth River Southern Branch, Paradise, Saint Julian, New Mill and Deep Creeks and Unsegmented estuaries in SBEMH						
Aquatic Life	Estuarine Bioassessments	5A	2.210			2004	2016
	Estuarine Bioassessments	5A	0.976			2008	2018
G15E-02-02-BAC	Elizabeth River Upper Mainstem, Eastern Branch, Broad Creek, Southern Branch and Paradise Creek Recreation Impairment						
Recreation	Enterococcus	5A	1.959			1998	2010
	Enterococcus	5A	0.539			2006	2018
G15E-02-04-EBEN	Eastern Branch Elizabeth River, Broad Creek and Unsegmented estuaries in EBEMH						
Aquatic Life	Estuarine Bioassessments	5A	1.760			2004	2016
	Estuarine Bioassessments	5A	0.346			2008	2018
	Estuarine Bioassessments	5A	0.268			2008	2016
G15E-02-05-BAC	Indian River, tributary of Eastern Branch, Elizabeth River						
Recreation	Enterococcus	5A	0.268			2002	2014
G15E-03-01-EBEN	Elizabeth River Upper Mainstem						
Aquatic Life	Estuarine Bioassessments	5A	4.036			2004	2018
	Estuarine Bioassessments	5A	0.481			2004	2016
G15E-03-01-TBT	Elizabeth River System Tributylin (TBT) Impairment						
Aquatic Life	Tributylin TBT (Tributylstanne)	5A	0.606			1994	2010
	Tributylin TBT (Tributylstanne)	5A	10.596			1996	2010
G15E-04-01-BAC	Western Branch, Elizabeth River Recreation Use Impairment						
Recreation	Enterococcus	5A	2.021			2004	2016
G15E-05-02-BAC	Lafayette River Recreation Use Impairment						
Recreation	Enterococcus	5A	1.558			2002	2014
G15E-06-03-BAC	Hoffler Creek						
Recreation	Enterococcus	5A	0.057			2008	2020
H02R-01-BAC	Pedlar River						
Recreation	Escherichia coli	5A			9.46	2006	2018

AR0012280

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
H03R-01-BAC	Blackwater Creek						
Recreation	Escherichia coli	5A			10.30	2006	2010
H03R-02-BAC	Fishing Creek						
Recreation	Escherichia coli	5A			5.44	2008	2010
H03R-03-BAC	Ivy Creek						
Recreation	Escherichia coli	5A			20.80	2008	2010
H03R-04-BAC	James River						
Recreation	Escherichia coli	5A			10.53	2008	2010
H03R-04-PCB	James River, Hardware River, Slate River						
Fish Consumption	PCB in Fish Tissue	5A			10.53	2004	2016
	PCB in Fish Tissue	5A			162.96	2006	2016
	PCB in Fish Tissue	5A			23.11	2008	2018
	PCB in Fish Tissue	5A			3.88	2008	2016
H03R-05-BAC	Burton Creek						
Recreation	Escherichia coli	5A			3.45	2006	2018
H03R-06-BAC	Judith Creek						
Recreation	Escherichia coli	5A			10.54	2006	2018
H03R-07-BAC	Tomahawk Creek						
Recreation	Escherichia coli	5A			5.89	2006	2018
H03R-08-BAC	Williams Run						
Recreation	Escherichia coli	5A			6.37	2006	2018
H03R-09-BAC	Dreaming Creek						
Recreation	Escherichia coli	5A			4.69	2008	2020
H03R-10-BAC	Burton Creek, Unnamed Tributary						
Recreation	Escherichia coli	5A			3.43	2008	2020
H04R-01-BAC	Graham Creek						
Recreation	Fecal Coliform	5A			5.17	2002	2014
H04R-02-BAC	Harris Creek						
Recreation	Escherichia coli	5A			7.27	2008	2020
H05R-03-BAC	Beaver Creek						
Recreation	Fecal Coliform	5A			8.50	2004	2016
H05R-04-BAC	Opossum Creek						
Recreation	Fecal Coliform	5A			3.04	2004	2016
H05R-05-BAC	Stonewall Creek						
Recreation	Escherichia coli	5A			9.04	2008	2020
H06R-01-BAC	Wreck Island Creek						
Recreation	Escherichia coli	5A			9.75	2008	2014

AR0012281

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
H07R-01-BAC	Bent Creek						
Recreation	Escherichia coli	5A			13.46	2008	2016
H09R-01-PH	Montebello Spring Branch						
Aquatic Life	pH	5A			0.10	2004	2016
H09R-02-BAC	Hat Creek						
Recreation	Fecal Coliform	5A			9.58	2004	2016
H09R-03-BAC	Tye River						
Recreation	Fecal Coliform	5A			7.61	2004	2016
	Escherichia coli	5A			8.32	2006	2018
	Escherichia coli	5A			8.33	2008	2018
	Escherichia coli	5A			7.61	2008	2016
H09R-04-TEMP	Tye River						
Aquatic Life	Temperature, water	5A			3.76	2006	2018
H09R-05-TEMP	South Fork Tye River						
Aquatic Life	Temperature, water	5A			16.65	2006	2018
H10R-01-BAC	Piney River						
Recreation	Escherichia coli	5A			6.95	2008	2020
H11L-01-DO	Stonehouse Creek Reservoir						
Aquatic Life	Oxygen, Dissolved	5A		33.53		2006	2020
H11L-01-PH	Stonehouse Creek Reservoir						
Aquatic Life	pH	5A		33.53		2006	2018
H11L-02-DO	Thrashers Creek Reservoir						
Aquatic Life	Oxygen, Dissolved	5A		31.96		2006	2020
H11L-02-PH	Thrashers Creek Reservoir						
Aquatic Life	pH	5A		31.96		2006	2018
H11R-01-BAC	Buffalo River						
Recreation	Escherichia coli	5A			5.87	2006	2016
H11R-01-BEN	Long Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.40	2008	2020
H11R-02-BAC	Mill Creek						
Recreation	Escherichia coli	5A			3.92	2008	2020
H11R-02-BEN	Buffalo River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.96	2008	2020
H12R-01-BAC	Rutledge Creek						
Recreation	Fecal Coliform	5A			3.16	2002	2014
H12R-03-BAC	Buffalo River						
Recreation	Escherichia coli	5A			7.78	2008	2016

AR0012282

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
H12R-04-BAC	Turner Creek						
Recreation	Escherichia coli	5A			4.36	2008	2020
H13R-01-BAC	Rucker Run						
Recreation	Fecal Coliform	5A			18.26	2004	2016
H15R-01-BAC	South Fork Rockfish River						
Recreation	Fecal Coliform	5A			11.60	2004	2016
	Escherichia coli	5A			11.60	2008	2016
H15R-02-BAC	North Fork Rockfish River						
Recreation	Escherichia coli	5A			7.25	2006	2018
H15R-03-BEN	Taylor Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			4.52	2008	2020
H16R-01-BAC	Rockfish River						
Recreation	Escherichia coli	5A			6.50	2006	2018
H17R-03-BAC	Ballinger Creek						
Recreation	Escherichia coli	5A			9.88	2008	2016
H17R-04-BAC	Rock Island Creek						
Recreation	Escherichia coli	5A			8.81	2008	2016
H17R-05-BAC	James River						
Recreation	Escherichia coli	5A			20.40	2008	2020
H17R-05-BEN	Totier Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			0.73	2006	2018
H18R-01-BAC	North Fork Hardware River						
Recreation	Fecal Coliform	5A			10.37	2004	2016
	Escherichia coli	5A			10.37	2008	2016
H18R-02-BAC	South Branch North Fork Hardware River						
Recreation	Escherichia coli	5A			12.02	2008	2020
H19R-01-BAC	Hardware River						
Recreation	Fecal Coliform	5A			23.11	2002	2010
	Escherichia coli	5A			23.11	2008	2010
H20R-01-BAC	Bear Garden Creek						
Recreation	Fecal Coliform	5A			9.18	2002	2014
H20R-02-BEN	North Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.25	2008	2014
H21R-04-BAC	Slate River						
Recreation	Escherichia coli	5A			4.74	2008	2014
H21R-06-BAC	Grease Creek						
Recreation	Escherichia coli	5A			10.61	2008	2020

AR0012283

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
H22R-02-BAC	Muddy Creek						
Recreation	Escherichia coli	5A			6.71	2008	2020
H22R-03-BAC	Turpin Creek						
Recreation	Escherichia coli	5A			7.22	2008	2020
H23L-01-PH	Lake Albemarle						
Aquatic Life	pH	5A		37.01		2004	2016
H23L-02-PH	Beaver Creek Reservoir						
Aquatic Life	pH	5A		95.54		2006	2018
H23R-01-BEN	Broad Axe Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.95	2004	2016
H23R-02-BAC	Beaver Creek						
Recreation	Fecal Coliform	5A			3.55	2004	2016
H23R-03-BAC	Mechums River						
Recreation	Escherichia coli	5A			10.45	2006	2018
H23R-03-BEN	Mechums River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			14.07	2004	2016
H24R-01-DO	North Fork Moormans River						
Aquatic Life	Oxygen, Dissolved	5A			10.97	2004	2016
H26R-02-PH	Ivy Creek						
Aquatic Life	pH	5A			5.22	2006	2018
H26R-03-BEN	Ivy Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			6.19	2008	2020
H27R-03-BAC	Preddy Creek						
Recreation	Escherichia coli	5A			25.94	2006	2018
H27R-04-BAC	North Fork Rivanna River						
Recreation	Escherichia coli	5A			10.36	2006	2018
H28L-01-PH	Ragged Mountain Reservoir						
Aquatic Life	pH	5A		70.74		2008	2020
H28R-01-BEN	Rivanna River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			5.26	1996	2010
	Benthic-Macroinvertebrate Bioassessments	5A			5.88	2006	2018
H28R-02-BEN	Moores Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			6.37	2008	2020
H28R-03-BAC	Meadow Creek						
Recreation	Fecal Coliform	5A			4.00	2002	2014
	Escherichia coli	5A			4.00	2008	2014
H28R-04-BEN	Moores Creek X-trib						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.57	2006	2018

AR0012284

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
H28R-05-BEN	Meadow Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			4.00	2006	2018
H28R-06-BAC	Rivanna River						
Recreation	Escherichia coli	5A			5.26	2006	2018
H28R-07-BEN	Schenks Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.13	2008	2020
H29R-03-BAC	Buck Island Creek						
Recreation	Escherichia coli	5A			8.98	2008	2020
H31R-01-BEN	Rivanna River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			15.17	2008	2020
H32L-01-PH	Fluvanna Ruritan Lake						
Aquatic Life	pH	5A		51.13		2006	2018
H32R-01-BEN	Middle Fork Cunningham Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5C			3.73	2004	
H32R-02-BAC	Middle Fork Cunningham Creek						
Recreation	Escherichia coli	5A			3.08	2006	2018
	Escherichia coli	5A			3.73	2008	2018
H32R-03-BAC	Middle Fork Cunningham Creek X-trib						
Recreation	Escherichia coli	5A			3.60	2008	2020
H33R-02-DO	Deep Creek						
Aquatic Life	Oxygen, Dissolved	5C			11.37	2008	2020
H33R-03-DO	Stegers Creek						
Aquatic Life	Oxygen, Dissolved	5C			4.59	2002	2014
H33R-04-BAC	Muddy Creek						
Recreation	Fecal Coliform	5A			3.66	2006	2018
H34R-01-BAC	Byrd Creek						
Recreation	Escherichia coli	5A			18.83	2008	2010
H34R-02-BAC	Little Byrd Creek						
Recreation	Escherichia coli	5A			8.20	2008	2020
H34R-02-BEN	Little Byrd Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			8.20	2008	2020
H34R-03-BAC	Venable Creek						
Recreation	Escherichia coli	5A			7.11	2008	2020
H34R-04-BAC	Phils Creek						
Recreation	Escherichia coli	5A			6.38	2008	2020
H34R-05-BAC	Mill Creek						
Recreation	Escherichia coli	5A			5.82	2008	2020

AR0012285

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
H34R-06-BEN	Ransome Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.26	2008	2020
H35R-01-DO	Willis River						
Aquatic Life	Oxygen, Dissolved	5A			9.93	2008	2020
H35R-02-DO	Willis River, Unnamed Tributary						
Aquatic Life	Oxygen, Dissolved	5A			1.71	2002	2014
H35R-03-BAC	Little Willis River						
Recreation	Escherichia coli	5A			5.98	2008	2020
H36L-01-DO	Bear Creek Lake						
Aquatic Life	Oxygen, Dissolved	5A		43.11		2006	2020
H36R-01-BEN	Willis River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			14.55	2008	2020
H36R-02-BEN	Randolph Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			11.65	2008	2020
H36R-03-BAC	Buffalo Creek						
Recreation	Escherichia coli	5A			6.81	2008	2020
H37R-01-BAC	Big Lickinghole, Little Lickinghole, & White Hall Creeks						
Recreation	Escherichia coli	5A			29.42	2008	2014
H37R-02-BAC	Tarred Rat Creek						
Recreation	Escherichia coli	5A			3.18	2008	2020
H37R-03-DO	Big Lickinghole Creek						
Aquatic Life	Oxygen, Dissolved	5A			3.41	2008	2020
H38R-03-BAC	Beaverdam Creek						
Recreation	Escherichia coli	5A			8.67	2008	2020
H38R-05-BAC	UT to UT to James River						
Recreation	Fecal Coliform	5A			0.93	2004	2016
H38R-06-BAC	Courthouse Creek						
Recreation	Escherichia coli	5A			10.12	2006	2018
H38R-07-DO	Branch Creek						
Aquatic Life	Oxygen, Dissolved	5A			5.32	2008	2020
H39R-01-PH	Broad Branch						
Aquatic Life	pH	5A			2.40	2006	2018
H39R-03-PH	UT to Tuckahoe Creek						
Aquatic Life	pH	5C			1.80	2006	2018
H39R-05-BAC	Powhite Creek						
Recreation	Escherichia coli	5A			8.13	2008	2014

AR0012286

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
H39R-05-BEN	Powhite Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			8.13	2008	2020
H39R-06-BAC	Reedy Creek						
Recreation	Escherichia coli	5A			3.69	2006	2014
H39R-06-DO	Reedy Creek						
Aquatic Life	Oxygen, Dissolved	5A			3.69	2008	2020
H39R-08-BAC	James River						
Recreation	Escherichia coli	5A			2.99	2006	2010
H39R-09-BEN	James River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.99	1996	2010
H39R-09-DO	James River						
Aquatic Life	Oxygen, Dissolved	5A			2.99	2002	2014
H39R-10-BAC	Bernards Creek						
Recreation	Escherichia coli	5A			6.95	2008	2016
H39R-13-BAC	Genito Creek						
Recreation	Escherichia coli	5A			6.71	2008	2020
H39R-13-BEN	Stony Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.02	2008	2020
H39R-14-BEN	Jones Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			7.52	2008	2020
H39R-15-BEN	Stony Run, UT (XYT)						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.04	2008	2020
I01R-01-TEMP	Jackson River						
Aquatic Life	Temperature, water	5C			11.20	2004	2016
I01R-02-TEMP	Bolar Run						
Aquatic Life	Temperature, water	5A			6.39	2006	2018
I01R-03-BAC	Jackson River						
Recreation	Escherichia coli	5A			28.37	2008	2020
I04R-01-BAC	Falling Spring						
Recreation	Escherichia coli	5A			4.77	2008	2020
I05R-02-BAC	Cedar Creek						
Recreation	Fecal Coliform	5A			3.36	2006	2018
	Escherichia coli	5A			3.36	2006	2018
I06R-01-TEMP	Sweet Springs Creek						
Aquatic Life	Temperature, water	5C			2.68	2002	2014
I07R-01-BAC	Dunlap Creek						
Recreation	Escherichia coli	5A			6.31	2006	2018

AR0012287

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
I09R-01-BAC	Smith Creek						
Recreation	Fecal Coliform	5A			1.17	2004	2016
I09R-01-BEN	Jackson River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			24.19	1996	2010
I09R-01-DO	Jackson River						
Aquatic Life	Oxygen, Dissolved	5A			11.19	1996	2010
I09R-01-PCB	Jackson River						
Fish Consumption	PCB in Fish Tissue	5A			12.43	2008	2020
I09R-02-BAC	Jackson River						
Recreation	Escherichia coli	5A			3.36	2008	2020
I09R-02-TEMP	Wilson Creek						
Aquatic Life	Temperature, water	5C			6.52	2004	2016
I10R-01-BAC	Potts Creek						
Recreation	Escherichia coli	5A			9.51	2006	2018
I10R-01-PH	Potts Creek						
Aquatic Life	pH	5C			9.51	2004	2016
I10R-01-TEMP	Potts Creek						
Aquatic Life	Temperature, water	5C			5.54	2006	2018
I13R-01-BAC	Bullpasture River						
Recreation	Escherichia coli	5A			24.17	2006	2018
I14R-04-PH	Laurel Run						
Aquatic Life	pH	5A			2.04	2006	2018
I16R-01-PH	Porters Mill Creek						
Aquatic Life	pH	5A			4.98	2006	2018
I18R-02-BAC	Mill Creek						
Recreation	Escherichia coli	5A			4.94	2008	2016
I19R-01-BAC	Craig Creek						
Recreation	Fecal Coliform	5A			7.79	2004	2016
I19R-01-BEN	Craig Creek, UT (XZQ)						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.06	2008	2020
I20R-01-TEMP	Meadow Creek						
Aquatic Life	Temperature, water	5C			2.53	2006	2018
I21R-01-BAC	Johns Creek						
Recreation	Fecal Coliform	5A			2.19	2004	2016
I22R-01-BAC	Barbours Creek						
Recreation	Fecal Coliform	5A			7.08	2004	2016

AR0012288

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
I22R-01-TEMP	Barbours Creek						
Aquatic Life	Temperature, water	5C			7.08	2002	2014
	Temperature, water	5C			6.29	2006	2014
I22R-02-BEN	Mill Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			5.99	2004	2016
I22R-04-BAC	Little Patterson Creek						
Recreation	Fecal Coliform	5A			3.64	2004	2016
I24R-01-BAC	Lapsley Run						
Recreation	Escherichia coli	5A			8.40	2008	2020
I25R-01-BAC	Catawba Creek						
Recreation	Fecal Coliform	5A			11.87	2002	2014
	Fecal Coliform	5A			12.33	2004	2014
I25R-01-BEN	Catawba Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			12.32	2008	2020
I26R-02-BAC	Ellis Run and Mill Creek						
Recreation	Escherichia coli	5A			9.97	2004	2016
I26R-03-TEMP	Ellis Run						
Aquatic Life	Temperature, water	5C			1.67	2008	2020
I28R-01-BAC	Cedar Creek						
Recreation	Fecal Coliform	5A			11.49	2002	2014
I30R-01-BAC	Calfpasture River						
Recreation	Escherichia coli	5A			23.54	2006	2018
I30R-02-BAC	Mill Creek						
Recreation	Fecal Coliform	5A			20.89	2006	2018
	Escherichia coli	5A			20.89	2008	2018
I30R-03-PH	Piney Branch						
Aquatic Life	pH	5A			2.24	2006	2018
I32R-02-BEN	Little Calfpasture River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			0.82	1996	2008
I32R-03-BAC	Little Calfpasture River						
Recreation	Fecal Coliform	5A			10.32	2004	2016
I33R-01-BAC	Cedar Grove Branch						
Recreation	Fecal Coliform	5A			4.66	2004	2016
	Escherichia coli	5A			4.66	2008	2016
I33R-02-BAC	Maury River						
Recreation	Escherichia coli	5A			19.55	2006	2018

AR0012289

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
I34R-01-BAC	Hays Creek/Moffatts Creek						
Recreation	Fecal Coliform	5A			10.95	1998	2010
	Fecal Coliform	5A			7.62	2004	2010
	Escherichia coli	5A			18.57	2008	2010
I34R-02-TEMP	Hays Creek/Moffatts Creek						
Aquatic Life	Temperature, water	5A			18.57	2006	2018
I34R-03-BAC	Walker Creek						
Recreation	Escherichia coli	5A			11.58	2006	2018
I34R-04-BAC	Otts Creek						
Recreation	Escherichia coli	5A			5.11	2006	2018
I34R-04-TEMP	Otts Creek						
Aquatic Life	Temperature, water	5A			5.11	2008	2020
I35R-02-BAC	Mill Creek						
Recreation	Fecal Coliform	5A			8.59	2006	2018
	Escherichia coli	5A			8.59	2008	2018
I35R-03-BEN	Woods Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			5.71	2008	2020
I36R-02-BEN	Moores Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			8.39	2006	2018
I36R-03-PH	Saint Marys River						
Aquatic Life	pH	5A			1.78	2006	2018
I37R-01-BEN	Maury River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			7.09	1998	2010
	Benthic-Macroinvertebrate Bioassessments	5A			5.75	2008	2010
I37R-02-PCB	Maury River						
Fish Consumption	PCB in Fish Tissue	5A			4.58	2004	2016
	PCB in Fish Tissue	5A			12.84	2006	2016
I37R-03-BAC	Maury River						
Recreation	Escherichia coli	5A			4.58	2006	2018
	Escherichia coli	5A			12.84	2008	2018
I38R-01-BAC	Buffalo Creek						
Recreation	Fecal Coliform	5A			3.93	2004	2016
	Fecal Coliform	5A			11.58	2006	2016
	Escherichia coli	5A			3.93	2008	2016
I38R-02-BAC	Colliers Creek						
Recreation	Fecal Coliform	5A			13.77	2006	2018
J01R-01-BAC	Appomattox River						
Recreation	Fecal Coliform	5A			5.93	2004	2004
	Escherichia coli	5A			10.78	2006	2018

AR0012290

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
J01R-02-BAC	Horsepen Creek						
Recreation	Fecal Coliform	5A			3.88	2006	2018
J01R-03-BAC	Suanee Creek						
Recreation	Escherichia coli	5A			5.88	2006	2018
J01R-04-BAC	Vaughans Creek						
Recreation	Escherichia coli	5A			6.82	2006	2018
J01R-05-BAC	Gross Creek						
Recreation	Escherichia coli	5A			1.83	2008	2020
J01R-06-BAC	Gross Creek, Unnamed Tributary						
Recreation	Escherichia coli	5A			0.70	2008	2020
J01R-07-BAC	Plum Creek						
Recreation	Escherichia coli	5A			3.72	2008	2002
J02R-01-BAC	Spring Creek						
Recreation	Escherichia coli	5A			2.39	2006	2018
J02R-02-BAC	Buffalo Creek						
Recreation	Escherichia coli	5A			11.42	2006	2018
J03L-01-DO	Sandy River Reservoir						
Aquatic Life	Oxygen, Dissolved	5A		718.39		2006	2020
J03L-03-DO	Prince Edward Lake						
Aquatic Life	Oxygen, Dissolved	5A		26.75		2006	2020
J03L-04-DO	Goodwin Lake						
Aquatic Life	Oxygen, Dissolved	5A		12.42		2006	2018
J03R-05-BAC	Sandy River						
Recreation	Fecal Coliform	5A			3.22	2004	2016
	Escherichia coli	5A			3.22	2008	2016
J05R-01-BEN	Briery Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			10.10	2008	2020
J05R-02-BAC	Tanyard Branch						
Recreation	Escherichia coli	5A			0.41	2006	2018
J06R-05-BAC	Big Guinea Creek						
Recreation	Fecal Coliform	5A			8.49	2004	2018
	Escherichia coli	5A			8.49	2006	2018
J06R-06-BAC	Little Saylers Creek						
Recreation	Escherichia coli	5A			6.58	2006	2018
J06R-07-BAC	Stock Creek						
Recreation	Escherichia coli	5A			8.44	2006	2018
J06R-08-BAC	Green Creek						
Recreation	Escherichia coli	5A			5.08	2008	2020

AR0012291

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
J07R-02-BAC	Rocky Ford Creek						
Recreation	Escherichia coli	5A			5.53	2008	2016
J07R-03-BAC	Butterwood Creek						
Recreation	Fecal Coliform	5A			5.34	2006	2018
J10R-01-BEN	UT to Appomattox River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.49	2008	2020
J11L-01-DO	Lake Nottoway (Lee Lake)						
Aquatic Life	Oxygen, Dissolved	5A		161.07		2006	2018
J12R-06-DO	Horsepen Branch						
Aquatic Life	Oxygen, Dissolved	5C			4.37	2006	2018
J12R-06-PH	Horsepen Branch						
Aquatic Life	pH	5C			4.37	2006	2018
J14L-01-DO	Lake Chesdin						
Aquatic Life	Oxygen, Dissolved	5A		3,164.41		2004	2016
J15R-02-BAC	Oldtown Creek						
Recreation	Fecal Coliform	5A			4.10	2006	2018
J15R-02-DO	Oldtown Creek						
Aquatic Life	Oxygen, Dissolved	5C			4.10	2004	2016
J15R-03-BAC	Harrison Creek						
Recreation	Escherichia coli	5A			2.37	2006	2016
J15R-04-BAC	Poor Creek						
Recreation	Fecal Coliform	5A			3.10	2004	2016
	Escherichia coli	5A			8.08	2006	2018
J15R-05-BAC	Rohoic Creek						
Recreation	Escherichia coli	5A			6.78	2006	2018
J15R-06-BAC	Lieutenant Run						
Recreation	Escherichia coli	5A			3.47	2008	2020
J16R-01-PH	Swift Creek						
Aquatic Life	pH	5C			1.79	2008	2020
J16R-02-DO	Blackman Creek						
Aquatic Life	Oxygen, Dissolved	5C			4.45	2004	2016
J16R-02-PH	Blackman Creek						
Aquatic Life	pH	5C			4.45	2004	2016
J17L-01-DO	Swift Creek Lake						
Aquatic Life	Oxygen, Dissolved	5A		102.42		2006	2018
J17L-02-DO	Lakeview Reservoir						
Aquatic Life	Oxygen, Dissolved	5A		42.69		2008	2020

AR0012292

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
J17R-01-DO	Swift Creek						
Aquatic Life	Oxygen, Dissolved	5C			7.10	2002	2014
J17R-03-PH	Franks Branch						
Aquatic Life	pH	5A			10.02	2006	2018
JMSMH-DO-BAY	James River CBP segment JMSMH and Tidal Tributaries						
Aquatic Life	Oxygen, Dissolved	5A	100.161			1998	2010
	Oxygen, Dissolved	5A	18.265			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	100.161			1998	2010
	Oxygen, Dissolved	5A	18.265			2006	2010
JMSOH-DO-BAY	James River Oligohaline Estuary						
Aquatic Life	Oxygen, Dissolved	5A	34.115			1998	2010
	Oxygen, Dissolved	5A	15.147			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	34.115			1998	2010
	Oxygen, Dissolved	5A	15.147			2006	2010
JMSOH-SAV-BAY	James River Oligohaline Estuary						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	49.262			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	49.262			2006	2010
JMSTFL-DO-BAY	James River Tidal Freshwater (Lower) Estuary						
Aquatic Life	Oxygen, Dissolved	5A	0.120			1998	2010
	Oxygen, Dissolved	5A	28.981			2006	2010
	Oxygen, Dissolved	5A	0.043			2008	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	0.120			1998	2010
	Oxygen, Dissolved	5A	28.981			2006	2010
	Oxygen, Dissolved	5A	0.043			2008	2010
JMSTFL-SAV-BAY	James River Tidal Freshwater (Lower) Estuary						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	29.101			2006	2010
	Aquatic Plants (Macrophytes)	5A	0.043			2008	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	29.101			2006	2010
	Aquatic Plants (Macrophytes)	5A	0.043			2008	2010
JMSTFU-SAV-BAY	James River Tidal Freshwater (Upper) Estuary						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	7.726			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	7.726			2006	2010
LAFMH-DO-BAY	Chesapeake Bay segment LAFMH (Lafayette River)						
Aquatic Life	Oxygen, Dissolved	5A	2.163			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	2.163			2006	2010
SBEMH-DO-BAY	Chesapeake Bay segment SBEMH (Southern Branch, Elizabeth River)						
Aquatic Life	Oxygen, Dissolved	5A	4.111			2006	2010
Deep-Water Aquatic Life	Oxygen, Dissolved	5A	2.390			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	4.111			2006	2010

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
WBEMH-DO-BAY	Chesapeake Bay segment WBEMH (Western Branch, Elizabeth River)						
Aquatic Life	Oxygen, Dissolved	5A	2.258			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	2.258			2006	2010

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

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

Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
CRRMH-DO-BAY	Corrotoman River Mesohaline						
Aquatic Life	Oxygen, Dissolved	5A	3.767			1998	2010
	Oxygen, Dissolved	5A	5.434			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	3.767			1998	2010
	Oxygen, Dissolved	5A	5.434			2006	2010
CRRMH-SAV-BAY	Corrotoman River Mesohaline						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	9.200			2008	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	9.200			2008	2010
E01R-02-BAC	Thumb Run, West Branch						
Recreation	Escherichia coli	5A			10.08	2002	2014
E01R-03-BAC	Rappahannock River						
Recreation	Escherichia coli	5A			2.16	2002	2010
E01R-04-BAC	Thumb Run, East Branch						
Recreation	Escherichia coli	5A			5.88	2004	2016
E02R-01-BAC	Carter Run						
Recreation	Escherichia coli	5A			8.21	2006	2018
E02R-03-BAC	Rappahannock River						
Recreation	Escherichia coli	5A			6.81	2006	2018
E02R-04-BAC	Barrows Run						
Recreation	Escherichia coli	5A			4.85	2006	2018
E02R-05-BAC	South Run						
Recreation	Escherichia coli	5A			3.91	2006	2018
E02R-06-BAC	Carter Run						
Recreation	Escherichia coli	5A			1.53	2006	2018
E03R-01-BAC	Hughes River						
Recreation	Escherichia coli	5A			3.67	2004	2016
E03R-01-TEMP	Hughes River						
Aquatic Life	Temperature, water	5A			3.11	2008	2020
E04R-01-BAC	Hazel River						
Recreation	Escherichia coli	5A			5.64	2002	2010
	Escherichia coli	5A			9.79	2006	2018
	Fecal Coliform	5A			0.80	2006	2018
E05R-01-BAC	Rush River						
Recreation	Escherichia coli	5A			5.87	2002	2014
E05R-02-BAC	Thornton River						
Recreation	Escherichia coli	5A			3.37	2006	2018
E06R-01-BAC	Thornton River						
Recreation	Escherichia coli	5A			5.40	2006	2018

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
E06R-02-BAC	Battle Run						
Recreation	Escherichia coli	5A			2.15	2008	2020
E07R-02-BAC	Hazel River						
Recreation	Escherichia coli	5A			3.32	2006	2018
E07R-03-BAC	Indian Run						
Recreation	Fecal Coliform	5A			3.82	2006	2018
E08R-01-BAC	Marsh Run						
Recreation	Escherichia coli	5A			2.24	1996	2010
E08R-02-BAC	Browns Run						
Recreation	Escherichia coli	5A			2.38	2002	2014
E08R-02-DO	Browns Run						
Aquatic Life	Oxygen, Dissolved	5A			2.38	2008	2020
E08R-03-BAC	Craig Run						
Recreation	Escherichia coli	5A			3.62	2004	2016
E08R-04-BAC	Rappahannock River						
Recreation	Escherichia coli	5A			2.02	2004	2016
E08R-05-BAC	Rappahannock River						
Recreation	Escherichia coli	5A			2.83	2006	2018
E08R-06-BAC	Tinpot Run						
Recreation	Escherichia coli	5A			1.24	2008	2020
E08R-07-BAC	Marsh Run						
Recreation	Escherichia coli	5A			3.73	2008	2020
E09L-01-DO	Lake Pelham						
Aquatic Life	Oxygen, Dissolved	5C		249.58		2002	2014
E09L-01-PH	Lake Pelham						
Aquatic Life	pH	5C		249.58		2004	2016
E09L-02-DO	Mountain Run Reservoir						
Aquatic Life	Oxygen, Dissolved	5C		72.75		2002	2014
E09R-01-BEN	Mountain Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			19.33	2008	2020
E09R-01-PCB	Mountain Run						
Fish Consumption	PCB in Fish Tissue	5A			19.33	2006	2018
E09R-03-BAC	Mountain Run						
Recreation	Escherichia coli	5A			1.56	2006	2018
E09R-04-BAC	Jonas Run						
Recreation	Escherichia coli	5A			3.71	2008	2020

AR0012296

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
E10R-01-BAC	Deep Run						
Recreation	Fecal Coliform	5A			2.77	2006	2018
E10R-02-BAC	Sumerduck Run						
Recreation	Escherichia coli	5A			3.55	2008	2020
E12R-01-BAC	Rapidan River						
Recreation	Escherichia coli	5A			6.91	2006	2018
E13R-01-BAC	Blue Run						
Recreation	Escherichia coli	5A			4.20	2002	2010
	Fecal Coliform	5A			7.39	2006	2018
E13R-02-BAC	Rapidan River						
Recreation	Escherichia coli	5A			7.49	2002	2014
E13R-04-BAC	Unnamed tributary to the Rapidan River						
Recreation	Escherichia coli	5A			2.57	2004	2016
E13R-05-BAC	Beautiful Run						
Recreation	Escherichia coli	5A			1.07	2006	2018
E13R-06-BAC	Rapidan River						
Recreation	Escherichia coli	5A			4.27	2006	2018
E13R-07-BAC	Unnamed tributary to Rapidan River						
Recreation	Fecal Coliform	5A			3.89	2006	2018
E14R-01-BAC	Robinson River						
Recreation	Escherichia coli	5A			3.42	2006	2018
E14R-01-TEMP	Robinson River						
Aquatic Life	Temperature, water	5A			2.92	2004	2016
E14R-02-BAC	Finks Run						
Recreation	Escherichia coli	5A			3.00	2006	2018
E14R-02-TEMP	Rose River						
Aquatic Life	Temperature, water	5A			2.46	2006	2018
E14R-03-BAC	White Oak Run						
Recreation	Escherichia coli	5A			3.00	2006	2018
E14R-04-BAC	Leathers Run						
Recreation	Escherichia coli	5A			2.07	2006	2018
E15R-03-BAC	Deep Run						
Recreation	Escherichia coli	5A			2.33	2008	2020
E15R-05-BAC	Great Run						
Recreation	Escherichia coli	5A			8.41	2008	2020
E16R-01-BAC	Cedar Run						
Recreation	Escherichia coli	5A			3.20	2006	2018

AR0012297

Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
E16R-02-BAC	Rapidan River						
Recreation	Escherichia coli	5A			4.58	2006	2018
E16R-03-BAC	Rapidan River						
Recreation	Escherichia coli	5A			3.33	2008	2020
E17R-02-BAC	Mountain Run						
Recreation	Escherichia coli	5A			7.35	2006	2018
E17R-03-BAC	Black Walnut Run						
Recreation	Escherichia coli	5A			6.23	2006	2018
E18R-01-BAC	Rapidan River						
Recreation	Escherichia coli	5A			2.47	2002	2010
E18R-02-BAC	Wilderness Run						
Recreation	Escherichia coli	5A			5.32	2008	2020
E18R-03-BAC	Rapidan River						
Recreation	Escherichia coli	5A			3.46	2008	2020
E19L-01-HG	Motts Run Reservoir						
Fish Consumption	Mercury in Fish Tissue	5A		137.17		2008	2020
E19L-01-PH	Motts Run Reservoir						
Aquatic Life	pH	5C		137.17		2006	2018
E20E-01-BAC	Rappahannock River						
Recreation	Escherichia coli	5A	3.543			2002	2010
	Escherichia coli	5A	0.188			2006	2010
E20E-03-PCB	Rappahannock River						
Fish Consumption	PCB in Fish Tissue	5A	0.136			2002	2018
	PCB in Fish Tissue	5A	3.731			2004	2016
	PCB in Fish Tissue	5A	124.907		8.59	2006	2018
	PCB in Fish Tissue	5A	0.044			2008	2018
E20R-01-BAC	Claiborne Run						
Recreation	Escherichia coli	5A			4.21	2004	2016
E20R-02-BAC	Hazel Run						
Recreation	Escherichia coli	5A			4.38	2004	2016
E20R-02-PH	Hazel Run						
Aquatic Life	pH	5A			4.38	2008	2020
E20R-03-BAC	Massaponax Creek						
Recreation	Escherichia coli	5A			6.06	2004	2016
E20R-03-PH	Massaponax Creek						
Aquatic Life	pH	5A			6.06	2006	2018
E20R-04-BAC	Massaponax Creek						
Recreation	Escherichia coli	5A			2.02	2008	2020

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
E21R-01-BAC	Muddy Creek						
Recreation	Escherichia coli	5A			3.39	2008	2020
E21R-02-BEN	Ware Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.94	2008	2020
E21R-02-PH	Ware Creek						
Aquatic Life	pH	5C			2.94	2004	2016
	pH	5C			4.16	2008	2020
E21R-03-BAC	Gingoteague Creek						
Recreation	Escherichia coli	5A			1.38	2008	2020
E21R-03-PH	Gingoteague Creek						
Aquatic Life	pH	5C			1.38	2008	2020
E21R-04-BEN	Mill Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.38	2008	2020
E21R-05-BAC	Mount Creek						
Recreation	Escherichia coli	5A			3.98	2008	2020
E21R-05-PH	Mount Creek						
Aquatic Life	pH	5C			3.98	2008	2020
E21R-06-BAC	Lambs Creek						
Recreation	Escherichia coli	5A			0.57	2008	2020
E21R-07-BAC	Mill Creek						
Recreation	Escherichia coli	5A			4.17	2008	2020
E21R-07-PH	Mill Creek						
Aquatic Life	pH	5C			4.17	2008	2020
E21R-08-DO	Goldenvale Creek						
Aquatic Life	Oxygen, Dissolved	5C			4.89	2008	2020
E21R-08-PH	Goldenvale Creek						
Aquatic Life	pH	5C			4.89	2008	2020
E22E-02-EBEN	Rappahannock River						
Aquatic Life	Estuarine Bioassessments	5A	110.133			2006	2018
	Estuarine Bioassessments	5A	0.014			2008	2016
	Estuarine Bioassessments	5A	0.029			2008	2018
E22E-04-BAC	Rappahannock River						
Recreation	Escherichia coli	5A	5.121			2008	2020
E22E-08-CHLR	Rappahannock River						
Aquatic Life	Chloride	5C	54.259			2004	2016
	Chloride	5C	0.044			2008	2016
Wildlife	Chloride	5C	54.259			2004	2016
	Chloride	5C	0.044			2008	2016

AR0012299

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
E22R-01-BAC	Occupacia Creek						
Recreation	Escherichia coli	5A			2.15	2006	2014
E22R-02-BAC	Farmers Hall Creek						
Recreation	Fecal Coliform	5A			3.90	2004	2016
E22R-02-PH	Farmers Hall Creek						
Aquatic Life	pH	5C			3.90	2006	2018
E22R-03-DO	Occupacia Creek and Tribs						
Aquatic Life	Oxygen, Dissolved	5C			37.76	2006	2018
E22R-04-PH	Elmwood Creek						
Aquatic Life	pH	5C			4.39	2006	2018
E22R-05-BAC	Baylors Creek						
Recreation	Escherichia coli	5A			4.99	2008	2020
E22R-05-DO	Baylors Creek						
Aquatic Life	Oxygen, Dissolved	5C			4.99	2008	2020
E22R-05-PH	Baylors Creek						
Aquatic Life	pH	5C			4.99	2008	2020
E22R-06-BAC	Peedee Creek						
Recreation	Escherichia coli	5A			2.96	2008	2020
E22R-06-PH	Peedee Creek						
Aquatic Life	pH	5C			2.96	2008	2020
E23E-01-SF	Upper Rappahannock River, Little Carter Creek, Jugs Creek						
Shellfishing	Fecal Coliform	5B	9.674			1998	2010
	Fecal Coliform	5B	0.057			2006	2010
E23E-03-BAC	Hoskins Creek, Church Swamp						
Recreation	Enterococcus	5A	0.152			2006	2010
	Enterococcus	5A	0.002			2008	2010
E23E-03-CHLR	Hoskins Creek						
Aquatic Life	Chloride	5C	0.152			2004	2016
Wildlife	Chloride	5C	0.152			2004	2016
E23E-03-PH	Hoskins Creek						
Aquatic Life	pH	5C	0.052			2006	2018
E23E-04-CHLR	Piscataway Creek						
Aquatic Life	Chloride	5C	0.588			2004	2016
Wildlife	Chloride	5C	0.588			2004	2016
E23L-01-HG	Chandlers Millpond						
Fish Consumption	Mercury in Fish Tissue	5A		51.87		2008	2020
E23R-04-PH	Hoskins Creek						
Aquatic Life	pH	5C			12.74	2004	2016

AR0012300

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
E23R-09-PH	Church Swamp						
Aquatic Life	pH	5C			3.23	2006	2018
E23R-10-DO	UT to Piscataway Creek XFN						
Aquatic Life	Oxygen, Dissolved	5C			3.23	2006	2018
E23R-11-DO	UT to Piscataway Creek XFM						
Aquatic Life	Oxygen, Dissolved	5C			2.99	2006	2018
E23R-12-DO	Mussell Swamp						
Aquatic Life	Oxygen, Dissolved	5C			5.12	2006	2018
E23R-14-DO	Black Swamp						
Aquatic Life	Oxygen, Dissolved	5C			4.15	2006	2018
E23R-15-DO	The Big Swamp						
Aquatic Life	Oxygen, Dissolved	5C			6.58	2006	2018
E23R-16-BEN	Church Swamp						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.23	2008	2020
E23R-17-PH	Hoskins Creek UT (XGX)						
Aquatic Life	pH	5C			2.44	2008	2020
E23R-18-PH	Hoskins Creek UT (XGY)						
Aquatic Life	pH	5C			1.42	2008	2020
E24E-01-SF	Totuskey Creek/Richardson Creek/Rappahannock River						
Shellfishing	Fecal Coliform	5B	0.345			1998	2010
	Fecal Coliform	5B	0.711			2002	2010
	Fecal Coliform	5B	0.501			2006	2010
E24E-02-BAC	Totuskey Creek						
Recreation	Enterococcus	5A	1.067			2006	2014
E24E-02-CHLR	Totuskey Creek						
Aquatic Life	Chloride	5C	1.067			2004	2016
Wildlife	Chloride	5C	1.067			2004	2016
E24E-02-EBTOX	Totuskey Creek						
Aquatic Life	Sediment Bioassays for Estuarine and Marine Water	5A	1.067			2006	2018
E24E-03-SF	Garretts Marina						
Shellfishing	Fecal Coliform	5B	0.029			1998	2010
E24E-04-SF	Rappahannock River: Mark Haven Beach						
Shellfishing	Fecal Coliform	5B	0.014			1998	2010
E24R-01-BAC	Totuskey Creek						
Recreation	Fecal Coliform	5A			6.23	2002	2014
E24R-02-BAC	Totuskey Creek						
Recreation	Escherichia coli	5A			8.01	2006	2018

AR0012301

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
E24R-03-BAC	Muddy Gut						
Recreation	Escherichia coli	5A			2.47	2008	2020
E24R-03-PH	Muddy Gut						
Aquatic Life	pH	5C			2.47	2008	2020
E25E-02-BAC	Robinson Creek						
Recreation	Fecal Coliform	5A	0.205			1998	2005
E25E-03-CHLR	Mulberry Creek						
Aquatic Life	Chloride	5A	0.187			2006	2018
	Chloride	5C	0.061			2006	2018
Wildlife	Chloride	5C	0.248			2006	2018
E25E-05-BAC	Farnham Creek						
Recreation	Fecal Coliform	5A	0.421			1998	2010
E25E-05-CHLR	Farnham Creek						
Aquatic Life	Chloride	5C	0.421			2004	2016
Wildlife	Chloride	5C	0.421			2004	2016
E25E-08-SF	Weeks Creek						
Shellfishing	Fecal Coliform	5B	0.034			2006	2018
E25E-10-SF2	Deep Creek						
Shellfishing	Fecal Coliform	5B	0.170			2002	2014
E25E-11-BAC	Lancaster Creek						
Recreation	Fecal Coliform	5A	0.270			1998	2010
E25E-11-SF2	Lancaster Creek						
Shellfishing	Fecal Coliform	5B	0.259			2002	2014
E25E-12-SF	Morattico Creek						
Shellfishing	Fecal Coliform	5B	0.342			2002	2014
E25E-14-SF2	Beach Creek						
Shellfishing	Fecal Coliform	5B	0.039			2006	2018
E25E-16-CHLR	Lancaster and Morattico Creeks						
Aquatic Life	Chloride	5C	1.950			2004	2016
Wildlife	Chloride	5C	1.950			2004	2016
E25E-20-SF	Harry George Creek						
Shellfishing	Fecal Coliform	5B	0.094			2006	2018
E25E-21-SF	Lagrange Creek						
Shellfishing	Fecal Coliform	5B	0.056			2006	2018
E25E-22-SF	Robinson Creek						
Shellfishing	Fecal Coliform	5B	0.266			2006	2018
E25E-23-SF	Rappahannock River						
Shellfishing	Fecal Coliform	5B	0.005			2008	2020

AR0012302

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
E25E-24-SF	Lancaster Creek						
Shellfishing	Fecal Coliform	5B	0.023			2008	2020
E25E-25-SF	Mulberry Creek						
Shellfishing	Fecal Coliform	5B	0.008			2008	2020
E25E-26-BAC	Mulberry Creek						
Recreation	Fecal Coliform	5A	0.148			1998	2010
	Fecal Coliform	5A	0.039			2002	2014
E25E-26-SF	Mulberry Creek						
Shellfishing	Fecal Coliform	5B	0.039			2002	2014
E25E-27-SF	Parrotts Creek						
Shellfishing	Fecal Coliform	5B	0.031			2008	2020
E25E-28-SF	Paynes Creek						
Shellfishing	Fecal Coliform	5B	0.046			2008	2020
E25E-29-SF	Greenvale Creek						
Shellfishing	Fecal Coliform	5B	0.053			2008	2020
E25R-01-DO	Mud Creek						
Aquatic Life	Oxygen, Dissolved	5C			2.61	2006	2016
E25R-01-PH	Mud Creek						
Aquatic Life	pH	5C			2.61	2004	2016
E25R-02-BAC	Lagrange Creek						
Recreation	Fecal Coliform	5A			2.45	2004	2016
E25R-17-DO	Masons Mill Swamp						
Aquatic Life	Oxygen, Dissolved	5C			3.32	2006	2018
E25R-17-PH	Masons Mill Swamp						
Aquatic Life	pH	5C			3.32	2004	2016
E26E-03-SF	Taylor Creek						
Shellfishing	Fecal Coliform	5B	0.092			2004	2016
E26E-04-SF	Mosquito Creek						
Shellfishing	Fecal Coliform	5B	0.042			2002	2014
E26E-05-SF	Myer Creek						
Shellfishing	Fecal Coliform	5B	0.081			1998	2010
E26E-06-SF	Ewells Prong						
Shellfishing	Fecal Coliform	5B	0.036			1998	2010
E26E-07-SF	Town Creek						
Shellfishing	Fecal Coliform	5B	0.057			2002	2014
E26E-08-SF	Senior Creek						
Shellfishing	Fecal Coliform	5B	0.070			1998	2010

AR0012303

Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
E26E-09-SF	Western Branch Corrotoman River						
Shellfishing	Fecal Coliform	5B	0.705			1998	2010
	Fecal Coliform	5B	0.009			2002	2010
E26E-14-SF	Hills Creek						
Shellfishing	Fecal Coliform	5B	0.061			1998	2010
E26E-15-SF	Bells Creek						
Shellfishing	Fecal Coliform	5B	0.055			1998	2010
E26E-16-SF	Eastern Branch Corrotoman River						
Shellfishing	Fecal Coliform	5B	0.622			1998	2010
E26E-17-BAC	Eastern Branch Carter Creek						
Recreation	Fecal Coliform	5A	0.084			1998	2010
E26E-20-BAC	Broad Creek						
Recreation	Enterococcus	5A	0.161			2006	2018
E26E-26-BAC	Little Branch						
Recreation	Enterococcus	5A	0.114			2006	2018
E26E-27-BAC	Belwood Swamp						
Recreation	Fecal Coliform	5A	0.009			2002	2010
E26E-31-SF	Myer Creek, UT						
Shellfishing	Fecal Coliform	5B	0.052			2002	2014
E26E-32-SF	Millenbeck Prong						
Shellfishing	Fecal Coliform	5B	0.041			1998	2010
E26E-33-SF	Whitehouse Creek						
Shellfishing	Fecal Coliform	5B	0.050			2002	2014
E26E-35-SF	Davis Creek						
Shellfishing	Fecal Coliform	5B	0.043			2002	2014
E26E-36-SF	Myer Creek						
Shellfishing	Fecal Coliform	5B	0.050			2004	2016
E26E-37-SF	Meachim Creek						
Shellfishing	Fecal Coliform	5B	0.034			2008	2020
E26E-38-SF	Meachim Creek						
Shellfishing	Fecal Coliform	5B	0.068			2008	2020
E26E-39-SF	Roane Cove of Locklies Creek						
Shellfishing	Fecal Coliform	5B	0.034			2008	2020
E26E-40-SF	Mill Creek						
Shellfishing	Fecal Coliform	5B	0.075			2008	2020
E26E-41-SF	Woods Creek, Rappahannock River						
Shellfishing	Fecal Coliform	5B	0.049			2008	2020

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
E26E-42-SF	Hunting Creek						
Shellfishing	Fecal Coliform	5B	0.041			2008	2020
E26E-43-SF	Sturgeon Creek						
Shellfishing	Fecal Coliform	5B	0.174			2008	2020
E26E-44-SF	Yopps Cove of Carter Creek						
Shellfishing	Fecal Coliform	5B	0.021			2008	2020
E26E-45-SF	Carter Creek						
Shellfishing	Fecal Coliform	5B	0.096			2008	2020
E26E-46-SF	Eastern Branch Carter Creek						
Shellfishing	Fecal Coliform	5B	0.258			2002	2014
E26E-47-EBEN	Corrotoman River						
Aquatic Life	Estuarine Bioassessments	5A	3.767			2008	2020
E26E-48-SF	Taylor Creek						
Shellfishing	Fecal Coliform	5B	0.024			2008	2020
E26E-49-SF	Moran Creek						
Shellfishing	Fecal Coliform	5B	0.095			2008	2020
E26E-50-SF	Whiting Creek						
Shellfishing	Fecal Coliform	5B	0.178			2008	2020
E26E-51-SF	Eastern Branch Corrotoman River						
Shellfishing	Fecal Coliform	5B	0.232			2008	2020
E26E-52-EBEN	Eastern Branch Corrotoman River						
Aquatic Life	Estuarine Bioassessments	5A	0.538			2008	2020
E26E-53-SF	John Creek						
Shellfishing	Fecal Coliform	5B	0.036			2008	2020
E26E-54-SF	Lowrey Creek						
Shellfishing	Fecal Coliform	5B	0.028			2008	2020
E26R-02-DO	UT to Western Branch Corrotoman River						
Aquatic Life	Oxygen, Dissolved	5C			3.10	2008	2020
E26R-02-PH	UT to Western Branch Corrotoman River						
Aquatic Life	pH	5C			3.10	2006	2018
E26R-03-DO	Norris Prong						
Aquatic Life	Oxygen, Dissolved	5C			2.40	2008	2020
E26R-04-BAC	Browns Creek						
Recreation	Escherichia coli	5A			2.53	2008	2020
E26R-04-DO	Browns Creek						
Aquatic Life	Oxygen, Dissolved	5C			2.53	2008	2020

AR0012305

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

Rappahannock River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
RPPMH-DO-BAY	Rappahannock River						
Aquatic Life	Oxygen, Dissolved	5A	82.743			1998	2010
	Oxygen, Dissolved	5A	27.582			2004	2010
	Oxygen, Dissolved	5A	13.205			2006	2010
Deep-Channel Seasonal Refuge	Oxygen, Dissolved	5A	65.773			1998	2010
	Oxygen, Dissolved	5A	0.109			2006	2010
Deep-Water Aquatic Life	Oxygen, Dissolved	5A	82.415			1998	2010
	Oxygen, Dissolved	5A	0.109			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	82.743			1998	2010
	Oxygen, Dissolved	5A	27.582			2004	2010
	Oxygen, Dissolved	5A	13.205			2006	2010
RPPMH-SAV-BAY	Rappahannock River						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	122.492			2006	2010
	Aquatic Plants (Macrophytes)	5A	1.039			2008	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	122.492			2006	2010
	Aquatic Plants (Macrophytes)	5A	1.039			2008	2010
RPPTF-DO-BAY	Rappahannock River, Mill Creek						
Aquatic Life	Oxygen, Dissolved	5A	14.040			2008	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	14.040			2008	2010

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

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

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
L01R-01-BAC	Roanoke River, South Fork						
Recreation	Fecal Coliform	5A			12.61	2004	2016
L01R-01-TEMP	Roanoke River, South Fork						
Aquatic Life	Temperature, water	5C			6.24	2004	2016
L01R-02-TEMP	Bottom Creek						
Aquatic Life	Temperature, water	5C			4.41	2008	2020
L02R-01-BAC	Roanoke River, North Fork						
Recreation	Escherichia coli	5A			6.57	2006	2014
L04R-01-BEN	Roanoke River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.14	2008	2020
L04R-02-BAC	Mud Lick Creek						
Recreation	Escherichia coli	5A			6.83	2006	2018
L04R-02-BEN	Mud Lick Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			6.83	2008	2020
L04R-05-BAC	Mason Creek						
Recreation	Escherichia coli	5A			7.56	2006	2014
L04R-05-BEN	Mason Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			7.56	2008	2020
L04R-06-BAC	Peters Creek						
Recreation	Escherichia coli	5A			7.14	2006	2014
L04R-07-BAC	Murray Run						
Recreation	Fecal Coliform	5A			3.22	2004	2016
L06R-01-BAC	Back Creek						
Recreation	Escherichia coli	5A			9.87	2008	2016
L08R-01-TEMP	Green Creek						
Aquatic Life	Temperature, water	5C			3.90	2002	2014
L08R-02-TEMP	Blackwater River, South Fork						
Aquatic Life	Temperature, water	5C			6.04	2008	2020
L08R-05-BEN	Little Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			7.60	2002	2014
L08R-06-BEN	Teels Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			4.59	2002	2014
L08R-07-BEN	Buck Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.61	2008	2020
L09R-01-BEN	Maggodee Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			7.36	2002	2014

AR0012307

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
L09R-01-TEMP	Maggodee Creek						
Aquatic Life	Temperature, water	5C			4.40	2008	2020
L10R-01-BEN	Blackwater River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			14.26	2008	2020
L11R-01-BEN	North Fork Gills Creek, UT (XML)						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.39	2008	2020
L12L-01-PCB	Roanoke River, Blackwater River, Smith Mountain Lake, Tinker Creek and Peters Creek.						
Fish Consumption	PCB in Fish Tissue	5A		2,633.27	31.74	2002	2014
	PCB in Fish Tissue	5A			2.52	2004	2016
	PCB in Fish Tissue	5A		17,156.65	16.62	2006	2014
L12L-05-BAC	Smith Mountain Lake - Crazy Horse Camp Ground						
Recreation	Escherichia coli	5A		30.27		2004	2016
L13L-02-BAC	Leesville Lake						
Recreation	Escherichia coli	5A		1,586.63		2006	2018
	Escherichia coli	5A		336.26		2008	2020
L13L-02-DO	Leesville Lake						
Aquatic Life	Oxygen, Dissolved	5A		2,629.56		2008	2020
L14R-01-BAC	Pigg River and Doe Run						
Recreation	Fecal Coliform	5A			5.41	2006	2018
L15R-01-BAC	Big Chestnut Creek						
Recreation	Escherichia coli	5A			12.87	2006	2016
L17R-01-BAC	Snow Creek and Turkeycock Creek						
Recreation	Escherichia coli	5A			6.32	2008	2020
L17R-01-BEN	Poplar Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.51	2008	2020
L18R-01-BEN	Fryingpan Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.55	2006	2018
L18R-02-BAC	Harpen Creek						
Recreation	Escherichia coli	5A			5.28	2006	2018
L18R-03-BAC	Tomahawk Creek						
Recreation	Escherichia coli	5A			4.39	2006	2018
L19R-01-HG	Roanoke (Staunton) River, Cub Creek, Kerr Reservoir						
Fish Consumption	Mercury in Fish Tissue	5A		31,644.41	102.39	2008	2020
L19R-01-PCB	Roanoke (Staunton) River, Cub Creek, Kerr Reservoir						
Fish Consumption	PCB in Fish Tissue	5A			25.14	1998	2010
	PCB in Fish Tissue	5A		31,644.41		2002	2014
	PCB in Fish Tissue	5A			63.00	2002	2010
	PCB in Fish Tissue	5A			14.25	2008	2020

AR0012308

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 Dev. Date
L19R-02-BAC	Lynch Creek						
Recreation	Escherichia coli	5A			3.46	2008	2020
L20R-01-BAC	Goose Creek						
Recreation	Escherichia coli	5A			6.78	2006	2016
L21R-01-BAC	Goose Creek						
Recreation	Escherichia coli	5A			7.26	2008	2016
L21R-02-BAC	Wolf Creek						
Recreation	Escherichia coli	5A			6.82	2008	2020
L22R-01-BAC	Goose Creek						
Recreation	Fecal Coliform	5A			10.03	2002	2014
L26R-01-BEN	Little Otter River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			5.71	2002	2014
	Benthic-Macroinvertebrate Bioassessments	5A			7.29	2008	2014
L26R-01-PCB	Little Otter River						
Fish Consumption	PCB in Fish Tissue	5A			14.33	2002	2014
L26R-02-BEN	Johns Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.13	2002	2014
L26R-03-BEN	Wells Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.78	2008	2020
L27R-02-BAC	Buffalo Creek						
Recreation	Escherichia coli	5A			8.09	2006	2018
L27R-02-BEN	Buffalo Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			8.09	2008	2020
L29R-01-BAC	Flat Creek						
Recreation	Fecal Coliform	5A			7.43	2006	2018
L30R-01-BAC	Buffalo Creek						
Recreation	Escherichia coli	5A			9.03	2008	2018
L30R-02-BAC	Childrey Creek						
Recreation	Escherichia coli	5A			13.40	2006	2018
L30R-03-BAC	Straightstone Creek						
Recreation	Escherichia coli	5A			8.46	2006	2018
L30R-04-BAC	Whipping Creek						
Recreation	Escherichia coli	5A			13.55	2006	2018
L30R-05-BAC	Little Straightstone Creek						
Recreation	Escherichia coli	5A			7.36	2006	2018
L31R-01-BEN	East Little Seneca Creek, Unnamed Tributary						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.45	2008	2020

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
L33R-01-BAC	Button Creek						
Recreation	Escherichia coli	5A			7.55	2006	2018
L33R-02-BAC	South Fork Falling River						
Recreation	Escherichia coli	5A			16.13	2006	2018
L34R-02-BAC	Little Falling River						
Recreation	Escherichia coli	5A			9.31	2006	2018
L34R-02-PH	Little Falling River						
Aquatic Life	pH	5A			9.31	2008	2020
L34R-03-BAC	Suck Creek						
Recreation	Escherichia coli	5A			8.34	2006	2018
L34R-04-BAC	Entry Creek						
Recreation	Escherichia coli	5A			4.55	2008	2020
L34R-04-PH	Entry Creek						
Aquatic Life	pH	5A			4.55	2008	2020
L35R-01-BAC	Mollys Creek						
Recreation	Escherichia coli	5A			16.93	2006	2016
L36R-02-BAC	Catawba Creek						
Recreation	Escherichia coli	5A			7.70	2006	2018
L36R-03-BAC	Buckskin Creek						
Recreation	Escherichia coli	5A			7.73	2008	2020
L37R-02-BAC	Louse Creek						
Recreation	Escherichia coli	5A			8.41	2006	2018
L37R-03-BAC	Big Cub Creek, Left Hand Fork and Tributaries						
Recreation	Escherichia coli	5A			25.02	2006	2018
L37R-04-BAC	Little Cub Creek						
Recreation	Escherichia coli	5A			8.71	2006	2018
L37R-05-BAC	Terrys Creek						
Recreation	Escherichia coli	5A			7.00	2008	2020
L39R-01-BAC	Ash Camp Creek						
Recreation	Fecal Coliform	5A			7.49	2004	2016
L39R-03-BAC	Horsepen Creek						
Recreation	Fecal Coliform	5A			1.83	2002	2014
L39R-03-BEN	Horsepen Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			5.27	2008	2020
L39R-04-BAC	Wards Fork Creek						
Recreation	Escherichia coli	5A			5.71	2008	2014

AR0012310

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
L39R-05-BAC	Roanoke Creek						
Recreation	Escherichia coli	5A			2.66	2006	2018
L39R-06-BAC	Middle Branch Wards Fork Creek						
Recreation	Escherichia coli	5A			7.07	2008	2020
L40R-01-BAC	Berles Creek						
Recreation	Escherichia coli	5A			2.18	2006	2014
L40R-07-BAC	Cargills Creek						
Recreation	Escherichia coli	5A			4.27	2008	2020
L41R-01-BAC	Difficult Creek						
Recreation	Escherichia coli	5A			7.40	2008	2020
L42R-01-BAC	Little Dan River						
Recreation	Escherichia coli	5A			6.77	2008	2020
L42R-01-TEMP	Dan River						
Aquatic Life	Temperature, water	5C			9.49	2002	2014
	Temperature, water	5C			5.61	2008	2014
L43R-01-BAC	South Mayo River						
Recreation	Fecal Coliform	5A			8.01	2004	2004
	Fecal Coliform	5A			11.97	2004	2016
	Escherichia coli	5A			10.85	2008	2016
L43R-01-BEN	North Fork of the South Mayo River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.12	2008	2020
L44R-01-BAC	Spoon Creek						
Recreation	Escherichia coli	5A			7.64	2006	2016
L46R-01-BAC	North Mayo River						
Recreation	Fecal Coliform	5A			12.19	2004	2016
	Escherichia coli	5A			10.24	2008	2016
L47R-01-BAC	Horse Pasture Creek						
Recreation	Escherichia coli	5A			7.23	2006	2016
L49R-01-BAC	Matrimony Creek						
Recreation	Escherichia coli	5A			4.77	2008	2020
L50R-01-TEMP	Smith River						
Aquatic Life	Temperature, water	5C			9.18	2002	2014
L51R-01-TEMP	Rennet Bag Creek						
Aquatic Life	Temperature, water	5C			11.15	2002	2014
L52R-01-BAC	Smith River						
Recreation	Escherichia coli	5A			3.25	2006	2018
	Escherichia coli	5A			6.93	2008	2016

AR0012311

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 Dev. Date
L52R-02-BAC	Blackberry Creek and Blackberry, UTs						
Recreation	Escherichia coli	5A			14.84	2004	2010
L53R-01-BEN	Smith River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			4.75	2008	2020
L53R-02-BAC	Jordan Creek						
Recreation	Escherichia coli	5A			5.77	2006	2018
L53R-03-BAC	Beaver Creek						
Recreation	Escherichia coli	5A			5.09	2006	2018
L53R-03-BEN	Beaver Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			6.92	2008	2020
L53R-04-BAC	Reed Creek						
Recreation	Escherichia coli	5A			3.95	2008	2020
L53R-04-BEN	Jones Creek, UT (XMP)						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.04	2006	2018
L54R-01-BAC	Smith River						
Recreation	Escherichia coli	5A			20.05	2008	2014
L54R-01-BEN	Smith River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			13.75	1998	2010
L55R-01-BAC	Marrowbone Creek						
Recreation	Escherichia coli	5A			4.33	2008	2010
L56R-01-BAC	Leatherwood Creek and Headwater Tributaries						
Recreation	Escherichia coli	5A			15.95	2006	2010
	Escherichia coli	5A			8.31	2008	2010
L57R-03-BAC	Dan River						
Recreation	Fecal Coliform	5A			7.78	2002	2018
	Escherichia coli	5A			7.78	2006	2018
L57R-04-BAC	Cascade Creek						
Recreation	Escherichia coli	5A			11.76	2006	2018
L58R-02-BAC	Tardy Creek						
Recreation	Escherichia coli	5A			2.84	2006	2018
L58R-03-BAC	South Prong Sandy River						
Recreation	Escherichia coli	5A			13.05	2006	2018
L58R-04-BAC	Sandy River						
Recreation	Escherichia coli	5A			9.73	2006	2018
L58R-05-BAC	Sugartree Creek						
Recreation	Escherichia coli	5A			6.57	2008	2020
L58R-06-BAC	Stewart Creek						
Recreation	Escherichia coli	5A			7.28	2008	2020

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
L59R-01-BAC	Sandy Creek						
Recreation	Escherichia coli	5A			9.15	2008	2016
L60R-01-BAC	Dan River						
Recreation	Escherichia coli	5A			34.63	1998	2010
L60R-01-DDE	Dan River						
Fish Consumption	DDE	5A			9.80	2004	2016
L60R-01-DDT	Dan River						
Fish Consumption	DDT	5A			9.80	2004	2016
L60R-01-HG	Dan River, Hyco River, Banister River						
Fish Consumption	Mercury in Fish Tissue	5A		1,655.60	53.13	2008	2020
	Mercury in Fish Tissue	5A			3.27	2008	2007
L60R-01-PCB	Dan River, Hyco River, Banister River						
Fish Consumption	PCB in Fish Tissue	5A		1,655.60	33.73	2002	2014
	PCB in Fish Tissue	5A			2.39	2004	2016
	PCB in Fish Tissue	5A			12.25	2004	2014
	PCB in Fish Tissue	5A			8.03	2006	2014
L60R-02-BAC	Pumpkin Creek						
Recreation	Escherichia coli	5A			3.94	2006	2018
L60R-03-BAC	Cane Creek						
Recreation	Escherichia coli	5A			12.02	2008	2020
L61R-01-BAC	Fall Creek						
Recreation	Escherichia coli	5A			11.79	2008	2016
L62R-03-BAC	Double Creek						
Recreation	Escherichia coli	5A			8.30	2008	2014
L62R-04-BAC	Byrds Branch						
Recreation	Escherichia coli	5A			2.99	2008	2016
L62R-05-BAC	Big Toby Creek						
Recreation	Escherichia coli	5A			7.54	2008	2020
L62R-06-BAC	Powells Creek						
Recreation	Escherichia coli	5A			3.90	2008	2020
L62R-07-BEN	Wolfe Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.82	2008	2020
L63R-02-BAC	Birch Creek, Unnamed Tributary						
Recreation	Escherichia coli	5A			5.13	2006	2018
L64R-01-BAC	Lawsons Creek						
Recreation	Fecal Coliform	5A			7.01	2006	2018
	Escherichia coli	5A			7.51	2008	2018

AR0012313

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 Dev. Date
L64R-02-BAC	Miry Creek						
Recreation	Escherichia coli	5A			1.06	2006	2018
L64R-03-BEN	Grassy Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			0.84	2008	2020
L65R-01-BAC	Banister River						
Recreation	Escherichia coli	5A			6.65	2008	2016
L65R-02-BAC	Bearskin Creek						
Recreation	Escherichia coli	5A			9.31	2006	2018
L66L-01-DO	Roaring Fork Reservoir						
Aquatic Life	Oxygen, Dissolved	5A		18.97		2006	2020
L66R-01-BAC	Cherrystone Creek						
Recreation	Escherichia coli	5A			5.84	2008	2010
L66R-02-BAC	Little Cherrystone Creek						
Recreation	Escherichia coli	5A			4.42	2008	2020
L67R-01-BAC	Banister River						
Recreation	Escherichia coli	5A			13.13	2004	2010
L67R-02-BAC	Allen Creek						
Recreation	Escherichia coli	5A			5.45	2008	2020
L68R-01-BAC	Whitehorn Creek						
Recreation	Escherichia coli	5A			0.82	2006	2014
L69R-01-BAC	Stinking River						
Recreation	Escherichia coli	5A			13.55	2008	2016
L71L-01-DO	Banister Lake						
Aquatic Life	Oxygen, Dissolved	5A		351.84		2008	2020
L71R-04-BAC	Banister River						
Recreation	Escherichia coli	5A			2.39	2008	2020
L71R-05-BAC	Polecat Creek						
Recreation	Fecal Coliform	5A			9.56	2006	2018
L71R-06-BAC	Winn Creek						
Recreation	Escherichia coli	5A			6.94	2008	2020
L71R-07-DO	Gibson Creek						
Aquatic Life	Oxygen, Dissolved	5A			5.26	2008	2020
L73L-03-BAC	Dan River						
Recreation	Escherichia coli	5A		1,655.60		1998	2010
L73R-01-BAC	Aarons Creek						
Recreation	Fecal Coliform	5A			14.08	2002	2014

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 Dev. Date
L74R-01-BAC	Hyco River						
Recreation	Escherichia coli	5A			17.26	2006	2014
	Escherichia coli	5A			5.90	2008	2014
L74R-02-BAC	Little Coleman Creek						
Recreation	Escherichia coli	5A			3.45	2008	2014
L74R-03-BAC	Coleman Creek						
Recreation	Escherichia coli	5A			8.42	2008	2014
L74R-03-BEN	Coleman Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			8.42	2008	2020
L74R-04-BAC	Big Bluewing Creek						
Recreation	Escherichia coli	5A			9.66	2008	2020
L74R-04-DO	Big Bluewing Creek						
Aquatic Life	Oxygen, Dissolved	5A			9.66	2008	2020
L74R-05-BEN	Bowes Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.22	2008	2020
L75L-01-DO	Kerr Reservoir, Bluestone Creek, Buffalo Creek						
Aquatic Life	Oxygen, Dissolved	5A		31,284.03		2004	2016
	Oxygen, Dissolved	5A		360.38		2006	2016
L75R-01-BAC	Butcher Creek						
Recreation	Fecal Coliform	5A			12.44	2004	2016
L75R-02-BAC	Beaver Pond Creek						
Recreation	Fecal Coliform	5A			5.04	2004	2016
L75R-03-BAC	Beech Creek						
Recreation	Escherichia coli	5A			4.29	2008	2020
L76R-01-BAC	Little Buffalo Creek						
Recreation	Fecal Coliform	5A			2.55	2002	2014
	Escherichia coli	5A			2.55	2004	2016
L77R-01-BAC	Little Bluestone Creek						
Recreation	Escherichia coli	5A			9.46	2006	2018
L77R-02-BAC	Bluestone Creek						
Recreation	Escherichia coli	5A			8.13	2006	2018
L78R-02-BAC	Allen Creek, Unnamed Tributary						
Recreation	Fecal Coliform	5A			0.91	2004	2016
L78R-03-BAC	Allen Creek						
Recreation	Escherichia coli	5A			8.96	2006	2018
L78R-04-BEN	Cox Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			10.45	2008	2020

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
L78R-04-DO	Cox Creek						
Aquatic Life	Oxygen, Dissolved	5A			10.45	2004	2016
L78R-04-PH	Cox Creek						
Aquatic Life	pH	5A			10.45	2006	2018
L78R-05-BAC	Cotton Creek						
Recreation	Escherichia coli	5A			4.32	2008	2020
L79R-01-DO	Flat Creek						
Aquatic Life	Oxygen, Dissolved	5A			1.67	2006	2018
L79R-02-BAC	Smith Creek						
Recreation	Escherichia coli	5A			2.14	2008	2020
L79R-02-DO	Smith Creek						
Aquatic Life	Oxygen, Dissolved	5A			2.14	2008	2020
L79R-02-PH	Smith Creek						
Aquatic Life	pH	5A			2.14	2008	2020
L80L-01-DO	Lake Gaston						
Aquatic Life	Oxygen, Dissolved	5A		3,085.19		2008	2020
L80L-01-PCB	Roanoke River, Lake Gaston						
Fish Consumption	PCB in Fish Tissue	5A		4,465.83	5.72	2004	2016
L80R-01-BAC	Great Creek						
Recreation	Escherichia coli	5A			6.87	2006	2010
L80R-02-BAC	Hagood Creek						
Recreation	Escherichia coli	5A			6.68	2008	2020
L80R-03-BAC	Long Branch						
Recreation	Escherichia coli	5A			2.03	2008	2020
L81R-01-PH	Poplar Creek						
Aquatic Life	pH	5A			3.30	2006	2018
M02R-01-BAC	Lovills Creek						
Recreation	Escherichia coli	5A			1.78	2008	2020
M02R-01-TEMP	Lovills Creek						
Aquatic Life	Temperature, water	5C			1.78	2002	2014

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

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

AR0012316

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 Dev. Date
K01R-01-BAC	Middle Meherrin River						
Recreation	Fecal Coliform	5A			7.12	2004	2016
K01R-02-BAC	South Meherrin River						
Recreation	Escherichia coli	5A			7.02	2006	2018
K01R-03-BEN	Finneywood Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			4.83	2008	2020
K02R-01-BAC	North Meherrin River						
Recreation	Escherichia coli	5A			7.55	2006	2010
K02R-02-BAC	Big Juniper Creek						
Recreation	Escherichia coli	5A			6.57	2006	2018
K02R-03-BAC	Kits Creek						
Recreation	Escherichia coli	5A			4.72	2008	2020
K02R-03-BEN	Kits Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			4.72	2008	2020
K02R-04-BAC	Reedy Creek						
Recreation	Escherichia coli	5A			10.25	2008	2020
K03R-04-BAC	Meherrin River						
Recreation	Escherichia coli	5A			3.17	2008	2020
K03R-05-BAC	Flat Rock Creek, Unnamed Tributary						
Recreation	Escherichia coli	5A			3.01	2008	2020
K04R-01-BAC	Stony Creek						
Recreation	Fecal Coliform	5A			13.73	2004	2016
K05R-01-BAC	Genito Creek						
Recreation	Escherichia coli	5A			7.89	2006	2016
K05R-02-BAC	Meherrin River						
Recreation	Escherichia coli	5A			26.14	2006	2014
K05R-03-BAC	Briery Branch						
Recreation	Fecal Coliform	5A			3.97	2004	2016
K06R-01-DO	Great Creek						
Aquatic Life	Oxygen, Dissolved	5A			2.77	2004	2016
K06R-01-PH	Great Creek						
Aquatic Life	pH	5A			2.77	2002	2014
K06R-02-BAC	Great Creek						
Recreation	Escherichia coli	5A			11.48	2006	2014
	Escherichia coli	5A			12.86	2008	2016
K07R-03-BEN	Rocky Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.20	2008	2020

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 Dev. Date
K08L-01-DO	Emporia Lake						
Aquatic Life	Oxygen, Dissolved	5A		259.80		2006	2016
K08L-02-PH	Brunswick Lake						
Aquatic Life	pH	5A		138.38		2006	2018
K09R-01-DO	Meherrin River						
Aquatic Life	Oxygen, Dissolved	5A			26.46	2008	2020
K09R-01-PCB	Meherrin River						
Fish Consumption	PCB in Fish Tissue	5A			26.46	2004	2016
K11R-01-BAC	Fontaine Creek						
Recreation	Fecal Coliform	5A			9.87	2002	2014
K11R-03-BAC	Cattail Creek						
Recreation	Fecal Coliform	5A			6.34	2004	2016
K11R-03-DO	Cattail Creek						
Aquatic Life	Oxygen, Dissolved	5A			6.34	2002	2014
K11R-03-PH	Cattail Creek						
Aquatic Life	pH	5A			6.34	2002	2014
K11R-04-BAC	Fontaine Creek						
Recreation	Escherichia coli	5A			9.12	2008	2016
K12R-01-BAC	Fontaine Creek						
Recreation	Escherichia coli	5A			13.39	2006	2014
K13R-01-BAC	Tarrara Creek						
Recreation	Escherichia coli	5A			13.94	2008	2020
K13R-01-DO	Tarrara Creek						
Aquatic Life	Oxygen, Dissolved	5C			13.94	1996	2010
K13R-02-BAC	Flat Swamp						
Recreation	Fecal Coliform	5A			8.14	2004	2016
K13R-02-DO	Flat Swamp						
Aquatic Life	Oxygen, Dissolved	5C			8.14	2004	2016
K14L-02-DO	Nottoway Falls Lake						
Aquatic Life	Oxygen, Dissolved	5A		32.26		2004	2016
K14R-03-BAC	Little Hounds Creek						
Recreation	Escherichia coli	5A			7.90	2008	2020
K15L-01-DO	Nottoway Pond						
Aquatic Life	Oxygen, Dissolved	5A		50.69		2006	2018
K15R-02-BAC	Carys Creek						
Recreation	Escherichia coli	5A			6.07	2006	2018

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
K16L-01-DO	Fort Pickett Reservoir						
Aquatic Life	Oxygen, Dissolved	5A		318.95		2004	2016
K16R-01-BEN	Hurricane Branch, Unnamed Tributary						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.05	2008	2020
K16R-03-DO	Hurricane Branch						
Aquatic Life	Oxygen, Dissolved	5A			1.94	2004	2016
K16R-04-BAC	Nottoway River						
Recreation	Escherichia coli	5A			3.38	2006	2018
K16R-05-BAC	Crooked Creek						
Recreation	Escherichia coli	5A			2.98	2008	2020
K17R-02-BAC	Waqua Creek						
Recreation	Fecal Coliform	5A			2.18	2002	2014
K17R-02-DO	Waqua Creek						
Aquatic Life	Oxygen, Dissolved	5A			2.18	2002	2014
K17R-02-PH	Waqua Creek						
Aquatic Life	pH	5A			2.18	2002	2014
K19R-03-BAC	Buckskin Creek						
Recreation	Fecal Coliform	5A			11.84	2004	2016
K19R-04-BAC	Nottoway River - Upper						
Recreation	Escherichia coli	5A			0.47	2008	2020
K19R-04-HG	Nottoway River						
Fish Consumption	Mercury in Fish Tissue	5A			110.68	2008	2020
K19R-05-BEN	Nottoway River, UT						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.75	2008	2020
K19R-06-BEN	Nottoway River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.04	2008	2020
K22R-02-DO	Horsepen Branch						
Aquatic Life	Oxygen, Dissolved	5C			3.90	2006	2018
K22R-03-BAC	Sappony Creek						
Recreation	Escherichia coli	5A			20.21	2006	2018
K23R-03-BAC	Nebletts Mill Run, UT						
Recreation	Escherichia coli	5A			1.73	2006	2016
K23R-05-BAC	Hatcher Run						
Recreation	Fecal Coliform	5A			4.36	2004	2016
K23R-06-BAC	Arthur Swamp						
Recreation	Escherichia coli	5A			8.50	2008	2020

AR0012319

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 Dev. Date
K23R-09-PH	XFZ - Nebletts Mill Run, UT						
Aquatic Life	pH	5C			1.41	2008	2020
K24R-03-BAC	Hunting Quarter Swamp						
Recreation	Escherichia coli	5A			16.20	2008	2020
K25R-05-PH	UT to Raccoon Creek						
Aquatic Life	pH	5C			4.30	2006	2018
K26R-02-BAC	Three Creek						
Recreation	Escherichia coli	5A			6.46	2006	2018
K26R-03-BAC	Three Creek						
Recreation	Escherichia coli	5A			4.30	2008	2020
K27R-02-BAC	Three Creek - Lower						
Recreation	Escherichia coli	5A			10.38	1998	2010
K27R-03-BEN	Applewhite Swamp						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			7.77	2008	2020
K27R-05-BAC	Three Creek - Upper						
Recreation	Escherichia coli	5A			8.85	2006	2018
K27R-05-BEN	Three Creek - Upper						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			8.85	2006	2018
K28R-01-BAC	Mill Swamp						
Recreation	Fecal Coliform	5A			10.19	2006	2018
K28R-01-DO	Mill Swamp						
Aquatic Life	Oxygen, Dissolved	5C			10.19	2006	2018
K28R-02-BEN	Buckhorn Swamp						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			5.67	2008	2020
K29R-01-BAC	Assamoosick, Seacorrie, German, Pigeon Swamps						
Recreation	Fecal Coliform	5A			15.76	2002	2010
	Fecal Coliform	5A			3.76	2002	2014
	Fecal Coliform	5A			3.65	2004	2016
	Escherichia coli	5A			10.43	2006	2014
K29R-01-NH3	UT to Seacorrie Swamp						
Aquatic Life	Ammonia (Un-ionized)	5A			1.46	2002	2014
Wildlife	Ammonia (Un-ionized)	5A			1.46	2002	2014
K29R-01-PH	Assamoosick, Seacorrie, German, Pigeon Swamps						
Aquatic Life	pH	5C			3.65	2002	2010
K30R-01-BAC	Darden Mill Run						
Recreation	Escherichia coli	5A			10.37	2004	2016
K30R-01-DO	Darden Mill Run						
Aquatic Life	Oxygen, Dissolved	5C			10.37	2002	2014

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 Dev. Date
K30R-01-PH	Darden Mill Run						
Aquatic Life	pH	5C			10.37	2004	2016
K31R-01-BAC	Blackwater Swamp, Warwick Swamp						
Recreation	Escherichia coli	5A			22.53	2006	2014
	Escherichia coli	5A			12.89	2008	2014
K31R-02-BAC	Second Swamp						
Recreation	Fecal Coliform	5A			15.24	2004	2016
K31R-03-PH	XES - Warwick Swamp, UT						
Aquatic Life	pH	5C			3.37	2008	2020
K32R-01-BAC	Blackwater River						
Recreation	Escherichia coli	5A			23.56	2006	2010
K32R-04-BAC	Otterdam Swamp						
Recreation	Escherichia coli	5A			5.57	2006	2014
K32R-05-BAC	Coppahaunk Swamp and UT XDT						
Recreation	Escherichia coli	5A			0.89	2006	2014
K32R-11-BAC	XDR - UT to Otterdam Swamp						
Recreation	Fecal Coliform	5A			2.46	2006	2018
K32R-12-PH	XDS - UT to Otterdam Swamp						
Aquatic Life	pH	5C			1.06	2006	2018
K32R-13-BAC	Blackwater River - Lower/Middle/Upper						
Recreation	Escherichia coli	5A			4.30	2006	2018
	Escherichia coli	5A			24.56	2008	2020
K32R-13-BEN	Blackwater River - Upper/ Lower/ and Unsegmented Tributaries & Black Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			33.27	2008	2020
K32R-13-DO	Blackwater River - Lower/Middle/Upper & Washole Creek						
Aquatic Life	Oxygen, Dissolved	5C			10.90	1996	2010
	Oxygen, Dissolved	5C			21.19	1998	2010
	Oxygen, Dissolved	5C			0.67	2004	2010
	Oxygen, Dissolved	5C			12.55	2006	2010
	Oxygen, Dissolved	5A			0.64	2008	2020
K32R-13-HG	Blackwater River Basin						
Fish Consumption	Mercury in Fish Tissue	5A			37.53	2004	2016
	Mercury in Fish Tissue	5A			26.53	2006	2018
	Mercury in Fish Tissue	5A			379.19	2008	2018
	Mercury in Fish Tissue	5A			285.12	2008	2020
K32R-14-PH	Otterdam Swamp						
Aquatic Life	pH	5C			5.44	2008	2020
K32R-16-DO	Spring Branch, UT (XAL)						
Aquatic Life	Oxygen, Dissolved	5C			0.71	2008	2020

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 Dev. Date
K32R-17-PH	Reedy Branch Watershed						
Aquatic Life	pH	5C			4.38	2008	2020
K32R-18-BEN	Blackwater River, UT						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.00	2008	2020
K34R-01-DO	Mill Swamp						
Aquatic Life	Oxygen, Dissolved	5C			8.36	1998	2010
K34R-02-DO	Rattlesnake Swamp						
Aquatic Life	Oxygen, Dissolved	5C			6.09	1998	2010
K35L-01-DO	Airfield Pond						
Aquatic Life	Oxygen, Dissolved	5A		120.07		2008	2020
K35L-01-PH	Airfield Pond						
Aquatic Life	pH	5A		120.07		2008	2020
K35R-01-DO	Seacock Swamp - Upper						
Aquatic Life	Oxygen, Dissolved	5C			0.80	1998	2010
K35R-02-BAC	Seacock Swamp - Lower						
Recreation	Fecal Coliform	5A			2.63	2004	2016
K35R-02-BEN	Seacock Swamp - Lower						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.63	2008	2020
K35R-03-BAC	UT Seacock Swamp						
Recreation	Fecal Coliform	5A			1.03	2004	2016
K35R-03-DO	UT Seacock Swamp						
Aquatic Life	Oxygen, Dissolved	5C			1.03	2004	2016
K35R-04-BAC	UT Airfield Pond - Lower						
Recreation	Escherichia coli	5A			0.71	2004	2016
K35R-04-DO	UT Airfield Pond - Lower						
Aquatic Life	Oxygen, Dissolved	5C			0.71	2004	2016
K35R-05-BAC	UT Airfield Pond - Upper						
Recreation	Escherichia coli	5A			0.68	2004	2016
K35R-05-DO	UT Airfield Pond - Upper						
Aquatic Life	Oxygen, Dissolved	5C			0.68	2004	2016
K35R-06-BAC	Seacock Swamp - Upper						
Recreation	Fecal Coliform	5A			0.80	2006	2018
K35R-07-DO	Brantley Swamp - Lower						
Aquatic Life	Oxygen, Dissolved	5C			3.52	2004	2016
K35R-08-BEN	Round Hill Swamp						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			0.62	2008	2020

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 Dev. Date
K38R-01-BEN	Somerton Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			9.09	2006	2018
K38R-02-BAC	March Swamp						
Recreation	Escherichia coli	5A			7.45	2008	2020
K38R-02-DO	March Swamp						
Aquatic Life	Oxygen, Dissolved	5C			7.45	2004	2016
K38R-02-PH	March Swamp						
Aquatic Life	pH	5C			7.45	2004	2016
K38R-03-DO	Chapel Swamp						
Aquatic Life	Oxygen, Dissolved	5C			8.18	2004	2016
K38R-03-PH	Chapel Swamp						
Aquatic Life	pH	5C			8.18	2004	2016
K39L-01-DO	Lake Drummond						
Aquatic Life	Oxygen, Dissolved	5A		3,241.96		2008	2020
K39L-01-HG	Lake Drummond						
Fish Consumption	Mercury in Fish Tissue	5A		3,241.96		2006	2018
K39L-01-PH	Lake Drummond						
Aquatic Life	pH	5A		3,241.96		2008	2020
K39R-01-HG	Dismal Swamp Canal & Feeder Ditch to Lake Drummond						
Fish Consumption	Mercury in Fish Tissue	5A			14.07	2004	2016
K40R-01-BAC	Unnamed tributary to Northwest River						
Recreation	Escherichia coli	5A			3.92	2006	2018
K40R-01-DO	Unnamed tributary to Northwest River						
Aquatic Life	Oxygen, Dissolved	5C			3.92	2002	2014
K40R-02-BAC	Northwest River - Upper						
Recreation	Escherichia coli	5A			6.42	2006	2018
K40R-02-DO	Northwest River - Upper						
Aquatic Life	Oxygen, Dissolved	5A			6.42	1998	2010
K40R-04-BAC	Northwest River - Middle						
Recreation	Escherichia coli	5A			6.23	2006	2018
K40R-04-DO	Northwest River - Middle						
Aquatic Life	Oxygen, Dissolved	5C			6.23	1998	2010
K40R-05-DO	Northwest River - Lower						
Aquatic Life	Oxygen, Dissolved	5C			2.99	2008	2020
K40R-06-BAC	Indian Creek tributary to Northwest River.						
Recreation	Escherichia coli	5A			3.47	2004	2016

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
K40R-06-DO	Indian Creek tributary to Northwest River.						
Aquatic Life	Oxygen, Dissolved	5C			3.47	2002	2010
K41R-01-DO	Pocaty River						
Aquatic Life	Oxygen, Dissolved	5C			7.24	2002	2014
K41R-02-DO	Milldam Creek - Lower						
Aquatic Life	Oxygen, Dissolved	5C			2.50	2002	2010
K41R-03-CHLR	Albemarle Canal (upstream of North Landing River)						
Aquatic Life	Chloride	5A			8.80	2006	2018
Wildlife	Chloride	5A			8.80	2006	2018
K41R-03-DO	Albemarle Canal (upstream of North Landing River)						
Aquatic Life	Oxygen, Dissolved	5C			8.80	2002	2010
K41R-04-BAC	North Landing River - Middle						
Recreation	Escherichia coli	5A			1.43	2008	2020
K41R-04-CHLR	North Landing River - Middle/ Lower						
Aquatic Life	Chloride	5C			12.43	2004	2016
K41R-05-BAC	West Neck Creek - Middle						
Recreation	Escherichia coli	5A			3.59	2002	2014
K41R-05-CHLR	West Neck Creek - Middle						
Aquatic Life	Chloride	5C			3.59	2004	2016
Wildlife	Chloride	5A			3.59	2004	2016
K41R-05-DO	West Neck Creek - Middle						
Aquatic Life	Oxygen, Dissolved	5C			3.59	1998	2010
K41R-06-CHLR	West Neck Creek - Lower						
Aquatic Life	Chloride	5C			6.10	2004	2016
Wildlife	Chloride	5A			6.10	2004	2016
K41R-08-BAC	Blackwater Creek						
Recreation	Escherichia coli	5A			4.41	2006	2018
K41R-08-DO	Blackwater Creek						
Aquatic Life	Oxygen, Dissolved	5C			4.41	2008	2020
K41R-11-CHLR	North Landing River - Middle						
Aquatic Life	Chloride	5C			2.23	2006	2018
K41R-11-DO	North Landing River - Middle						
Aquatic Life	Oxygen, Dissolved	5C			2.23	2002	2010
K42E-01-DO	Nawney Creek - Upper						
Aquatic Life	Oxygen, Dissolved	5C	0.022			1996	2010
K42E-02-CHLR	Nawney Creek - Lower						
Aquatic Life	Chloride	5A	0.018			2008	2020

AR0012324

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
K42E-02-DO	Nawney Creek - Lower						
Aquatic Life	Oxygen, Dissolved	5A	0.018			2008	2020
K42E-03-BAC	Hell Point Creek - Lower (at mouth)						
Recreation	Enterococcus	5A	0.026			2004	2016
K42E-04-BAC	Muddy Creek						
Recreation	Enterococcus	5A	0.040			2004	2016
K42E-04-CHLR	Muddy Creek						
Aquatic Life	Chloride	5A	0.040			2008	2020
K42E-05-BAC	Beggars Bridge Creek						
Recreation	Enterococcus	5A	0.033			2004	2016
K42E-05-CHLR	Beggars Bridge Creek						
Aquatic Life	Chloride	5C	0.033			2008	2020
K42E-06-BAC	Ashville Bridge Creek - Lower						
Recreation	Enterococcus	5A	0.022			2006	2018
K42E-06-DO	Ashville Bridge Creek - Lower						
Aquatic Life	Oxygen, Dissolved	5C	0.022			2006	2018
K42E-07-CHLR	Back Bay						
Aquatic Life	Chloride	5C	18.146			2008	2020
K42E-08-BAC	Redhead Bay at Drum Point						
Recreation	Enterococcus	5A	0.199			2006	2018
K42E-09-PH	Shipps Bay, Back Bay Area						
Aquatic Life	pH	5A	3.012			2006	2018
K42E-10-BAC	Hell Point Creek - Upper						
Recreation	Enterococcus	5A	0.030			2006	2018

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

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

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 Dev. Date
O01R-01-BAC	South Fork Holston River						
Recreation	Escherichia coli	5A			8.36	2002	2014
	Fecal Coliform	5A			9.41	2004	2016
	Fecal Coliform	5A			6.13	2006	2018
O02R-01-BAC	South Fork Holston River						
Recreation	Escherichia coli	5A			12.98	2004	2016
O02R-03-BAC	Beaverdam Creek						
Recreation	Escherichia coli	5A			2.01	2006	2018
O02R-04-BAC	Laurel Creek						
Recreation	Escherichia coli	5A			6.14	2006	2018
O02R-05-BAC	Whitetop Laurel Creek						
Recreation	Escherichia coli	5A			3.19	2006	2018
O03R-01-BAC	Middle Fork Holston River						
Recreation	Escherichia coli	5A			4.18	2002	2010
	Escherichia coli	5A			12.59	2002	2014
	Fecal Coliform	5A			27.62	2002	2014
	Escherichia coli	5A			0.79	2008	2020
O03R-01-BEN	Bear Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			4.06	2008	2020
O04R-01-BAC	Hungry Mother Creek						
Recreation	Escherichia coli	5A			4.83	2006	2018
O04R-03-BAC	Laurel Springs Creek						
Recreation	Escherichia coli	5A			2.04	2006	2018
O04R-04-BAC	Walker Creek						
Recreation	Escherichia coli	5A			12.78	2006	2018
O05R-02-BAC	Greenway Creek						
Recreation	Escherichia coli	5A			4.86	2008	2020
O05R-05-BEN	Middle Fork Holston River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			4.18	2000	2014
	Benthic-Macroinvertebrate Bioassessments	5A			3.65	2006	2014
	Benthic-Macroinvertebrate Bioassessments	5A			9.17	2008	2020
O06R-01-BAC	Wolf Creek						
Recreation	Fecal Coliform	5A			6.62	2004	2016
	Escherichia coli	5A			3.29	2008	2020
O06R-01-BEN	Wolf Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			6.62	1998	2010
O06R-01-PCB	Wolf Creek						
Fish Consumption	PCB in Fish Tissue	5A			6.62	2006	2018

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 Dev. Date
O06R-02-BAC	Fifteen Mile Creek						
Recreation	Escherichia coli	5A			11.06	2008	2020
O06R-03-BAC	Spring Creek						
Recreation	Escherichia coli	5A			4.37	2008	2020
O07R-01-BAC	Beaver Creek & tributaries						
Recreation	Escherichia coli	5A			2.80	2006	2018
O07R-01-PB	Beaver Creek						
Aquatic Life	Lead	5A			7.13	2004	2004
O07R-01-PCB	Beaver Creek & Little Creek						
Fish Consumption	PCB in Fish Tissue	5A			14.70	2006	2016
	PCB in Fish Tissue	5A			2.12	2006	2018
O09R-01-BAC	Lick Creek						
Recreation	Escherichia coli	5A			5.63	2006	2014
O09R-01-BEN	Lick Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			5.63	2002	2014
O09R-03-BAC	North Fork Holston River						
Recreation	Fecal Coliform	5A			11.06	2006	2018
O10R-01-BAC	North Fork Holston River						
Recreation	Escherichia coli	5A			5.30	2004	2018
	Escherichia coli	5A			13.27	2006	2018
	Fecal Coliform	5A			1.83	2006	2018
	Escherichia coli	5A			1.83	2008	2020
O10R-01-HG	North Fork Holston River						
Fish Consumption	Mercury in Fish Tissue	5A			81.69	1994	2010
O10R-01-PCB	North Fork Holston River						
Fish Consumption	PCB in Fish Tissue	5A			81.69	2006	2018
O10R-05-BAC	Laurel Creek						
Recreation	Fecal Coliform	5A			2.56	2004	2014
	Fecal Coliform	5A			25.62	2006	2018
O10R-05-BEN	Laurel Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.56	2002	2014
	Benthic-Macroinvertebrate Bioassessments	5A			6.39	2004	2016
O11R-04-BAC	Logan Creek						
Recreation	Escherichia coli	5A			5.43	2006	2018
O11R-05-BAC	Toole Creek						
Recreation	Escherichia coli	5A			5.99	2006	2018
O11R-06-BAC	Tumbling Creek						
Recreation	Escherichia coli	5A			1.57	2006	2018

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 Dev. Date
O11R-07-BAC	Wolf Creek						
Recreation	Escherichia coli	5A			0.88	2006	2018
O11R-08-BAC	Brumley Creek						
Recreation	Escherichia coli	5A			4.23	2008	2020
O12R-02-BAC	Abrams Creek						
Recreation	Escherichia coli	5A			11.37	2006	2018
O12R-03-BAC	Cove Creek						
Recreation	Escherichia coli	5A			12.69	2006	2018
O12R-04-BAC	Little Moccasin Creek						
Recreation	Escherichia coli	5A			4.85	2006	2018
O12R-05-BAC	Nordyke Creek						
Recreation	Escherichia coli	5A			5.98	2006	2018
O12R-06-BAC	Smith Creek						
Recreation	Escherichia coli	5A			7.86	2006	2018
O13R-01-BEN	North Fork Holston River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			5.30	2002	2014
	Benthic-Macroinvertebrate Bioassessments	5A			18.72	2008	2020
O13R-03-BAC	Four tribs. to NFH						
Recreation	Escherichia coli	5A			8.23	2008	2020
O14R-01-BAC	Big Moccasin Creek						
Recreation	Fecal Coliform	5A			3.49	2002	2014
	Escherichia coli	5A			27.92	2008	2020
P01R-01-BAC	Clinch River						
Recreation	Fecal Coliform	5A			5.50	2004	2016
	Fecal Coliform	5A			6.01	2006	2016
P01R-02-BAC	Plum Creek						
Recreation	Fecal Coliform	5A			5.06	2004	2016
P02R-02-BAC	Indian Creek						
Recreation	Fecal Coliform	5A			8.85	2004	2016
	Escherichia coli	5A			8.85	2008	2020
P03R-01-BAC	Middle Creek						
Recreation	Escherichia coli	5A			2.65	2006	2018
P03R-01-BEN	Coal Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.07	2008	2020
P03R-02-BAC	Clinch River and Tributaries						
Recreation	Fecal Coliform	5A			3.10	2002	2014
	Escherichia coli	5A			5.39	2004	2016

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
P04R-01-BAC	Lewis Creek						
Recreation	Fecal Coliform	5A			4.83	2006	2018
P04R-02-BEN	Swords Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.88	2002	2014
P05R-01-BAC	Indian Creek						
Recreation	Fecal Coliform	5A			3.98	2004	2016
P05R-02-BAC	Liberty Creek						
Recreation	Fecal Coliform	5A			1.99	2004	2016
P05R-04-BAC	Little River						
Recreation	Fecal Coliform	5A			19.09	2004	2016
	Fecal Coliform	5A			4.11	2008	2020
P05R-05-BAC	Maiden Spring Creek						
Recreation	Fecal Coliform	5A			15.08	2004	2016
P06R-01-BAC	Big Cedar Creek						
Recreation	Fecal Coliform	5A			1.12	2004	2016
	Fecal Coliform	5A			4.11	2006	2016
	Escherichia coli	5A			7.34	2006	2016
	Escherichia coli	5A			10.40	2006	2018
	Escherichia coli	5A			1.12	2008	2020
P07R-01-BAC	Clinch River						
Recreation	Escherichia coli	5A			13.95	2002	2018
	Escherichia coli	5A			9.89	2006	2018
P09R-01-BAC	Clinch River						
Recreation	Fecal Coliform	5A			6.07	2004	2016
P09R-03-BAC	Staunton Creek & Fall Creek						
Recreation	Escherichia coli	5A			12.32	2006	2018
P09R-04-BAC	Little Stony Creek						
Recreation	Escherichia coli	5A			2.64	2008	2020
P09R-05-BAC	Russell Creek						
Recreation	Escherichia coli	5A			5.06	2008	
P10R-01-BAC	Lick Creek & tributaries						
Recreation	Fecal Coliform	5A			18.40	1998	2008
	Escherichia coli	5A			9.45	2006	2008
P10R-01-BEN	Lick Creek & tributaries						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			13.58	1998	2008
	Benthic-Macroinvertebrate Bioassessments	5A			4.82	2002	2008

AR0012329

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 Dev. Date
P11R-03-BAC	Guest River						
Recreation	Fecal Coliform	5A			4.07	2002	2014
	Escherichia coli	5A			3.02	2006	2018
	Fecal Coliform	5A			3.02	2006	2018
	Escherichia coli	5A			4.07	2006	2014
	Escherichia coli	5A			1.83	2008	2020
P11R-03-PCB	Guest River						
Fish Consumption	PCB in Fish Tissue	5A			16.32	1996	2018
	PCB in Fish Tissue	5A			3.02	2002	2014
	PCB in Fish Tissue	5A			1.83	2004	2018
	PCB in Fish Tissue	5A			4.07	2006	2018
P11R-11-BEN	Machine Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.16	2004	2016
P12R-01-BEN	Bark Camp Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.01	2004	2016
P12R-02-BEN	Devil Fork						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			4.30	2006	2018
P12R-03-BAC	Stony Creek						
Recreation	Escherichia coli	5A			5.04	2008	2020
P13R-02-PCB	Stock Creek						
Fish Consumption	PCB in Fish Tissue	5A			4.51	2004	2016
P13R-03-BAC	Clinch, Cove, Stock Cr.						
Recreation	Escherichia coli	5A			9.69	2008	
	Escherichia coli	5A			11.45	2008	2020
P14R-01-BAC	Copper Creek & Moll Creek						
Recreation	Escherichia coli	5A			28.31	2008	2020
P15R-00-BAC	North Fork Clinch River						
Recreation	Fecal Coliform	5A			5.59	2002	2014
	Escherichia coli	5A			11.01	2008	2020
P16R-01-BAC	Blackwater Creek						
Recreation	Fecal Coliform	5A			2.11	2004	2016
	Escherichia coli	5A			2.11	2008	2020
P17R-01-BAC	Callahan Creek						
Recreation	Escherichia coli	5A			1.02	2008	2020
P17R-02-BAC	Powell River						
Recreation	Escherichia coli	5A			2.62	2002	2006
	Fecal Coliform	5A			5.23	2006	2018
P17R-02-BEN	Powell River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.62	1994	2006

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 Dev. Date
P18R-01-BAC	South Fork Powell River						
Recreation	Fecal Coliform	5A			6.32	2004	2016
P18R-01-BEN	South Fork Powell River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.71	1998	2010
P18R-02-BAC	Butcher Fork						
Recreation	Fecal Coliform	5A			4.86	2004	2016
P19R-01-BAC	Powell River						
Recreation	Fecal Coliform	5A			6.36	2004	2016
P19R-01-BEN	Powell River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			6.36	2004	2016
P20R-00-BEN	Straight Creek & tributaries						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			26.54	1996	2006
P20R-01-BAC	North Fork Powell River						
Recreation	Escherichia coli	5A			6.01	2004	2016
P20R-01-BEN	North Fork Powell River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			6.01	1994	2006
P21R-02-BAC	Hardy Creek						
Recreation	Escherichia coli	5A			12.13	2006	2018
P21R-03-BAC	Powell River						
Recreation	Escherichia coli	5A			15.00	2006	2018
P21R-03-BEN	Powell River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			6.45	2008	2020
P22R-01-BAC	Wallen Creek						
Recreation	Escherichia coli	5A			2.02	2006	2018
P23R-01-BEN	Powell River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			8.42	2002	2014
P23R-02-BAC	Martin Creek						
Recreation	Escherichia coli	5A			9.62	2008	2020
P24R-01-BAC	Indian Creek						
Recreation	Escherichia coli	5A			7.99	2008	2020
Q03R-02-PCB	Knox Creek & tributaries						
Fish Consumption	PCB in Fish Tissue	5A			16.92	2004	2016
	PCB in Fish Tissue	5A			85.36	2006	2018
Q03R-03-BAC	Guess Fork						
Recreation	Fecal Coliform	5A			8.43	2004	2016

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
Q04R-01-BAC	Levisa Fork & tributaries						
Recreation	Fecal Coliform	5A			7.74	2004	2016
	Escherichia coli	5A			2.65	2006	2016
	Escherichia coli	5A			6.41	2006	2018
	Escherichia coli	5A			4.69	2008	2020
Q04R-01-BEN	Levisa Fork & tributaries						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.95	1994	2010
	Benthic-Macroinvertebrate Bioassessments	5A			8.09	2002	2014
	Benthic-Macroinvertebrate Bioassessments	5A			2.65	2002	2010
Q04R-01-CHLR	Levisa Fork						
Aquatic Life	Chloride	5A			3.95	2006	2018
Wildlife	Chloride	5A			3.95	2006	2018
Q04R-01-PCB	Levisa Fork & Garden Creek						
Fish Consumption	PCB in Fish Tissue	5A			3.95	2002	2010
	PCB in Fish Tissue	5A			13.52	2006	2014
	PCB in Fish Tissue	5A			5.59	2006	2018
Q04R-02-BEN	Garden Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.80	1998	2008
Q04R-02-CHLR	Garden Creek						
Aquatic Life	Chloride	5A			1.80	2006	2018
Wildlife	Chloride	5A			1.80	2006	2018
Q05R-00-TEMP	Dismal Creek						
Aquatic Life	Temperature, water	5A			5.31	2008	2020
Q08R-01-BAC	Bull Creek & tributaries						
Recreation	Escherichia coli	5A			3.14	2008	2020
Q08R-01-BEN	Bull Creek & tributaries						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			16.83	1998	2008
	Benthic-Macroinvertebrate Bioassessments	5A			6.18	2006	2018
Q09R-01-BAC	Russell Fork						
Recreation	Escherichia coli	5A			8.68	2004	2016
Q09R-02-BEN	Sullivan Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.60	2008	2020
Q11R-02-BAC	McClure River						
Recreation	Escherichia coli	5A			10.01	2006	2016
	Escherichia coli	5A			3.26	2006	2018
	Escherichia coli	5A			3.05	2008	2020
Q11R-02-BEN	McClure River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			13.27	2008	2020
Q12R-01-BAC	Russell Prater Creek						
Recreation	Escherichia coli	5A			11.28	2008	2020

AR0012332

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
Q12R-02-PCB	Russell Fork						
Fish Consumption	PCB in Fish Tissue	5A			3.77	2006	2014
Q12R-03-BAC	Russell Fork						
Recreation	Escherichia coli	5A			2.20	2006	2018
	Escherichia coli	5A			5.74	2008	2020
Q13R-01-BEN	South Fork Pound River & tributaries						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.30	2002	2008
	Benthic-Macroinvertebrate Bioassessments	5A			2.12	2002	2014
	Benthic-Macroinvertebrate Bioassessments	5A			2.09	2004	2008
	Benthic-Macroinvertebrate Bioassessments	5A			3.22	2004	2014
Q13R-02-BEN	North Fork Pound River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.20	1996	2008
Q13R-03-BAC	Pound River						
Recreation	Escherichia coli	5A			3.10	2006	2018
	Escherichia coli	5A			16.60	2008	2020
Q13R-06-BEN	Pound River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			16.60	2004	2016
Q14R-01-BAC	Cranesnest River						
Recreation	Escherichia coli	5A			7.29	2004	2016

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

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

AR0012333

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
C01E-01-SF2	Great Wicomico River						
Shellfishing	Fecal Coliform	5B	0.637			2004	2016
C01E-02-SF2	Balls Creek						
Shellfishing	Fecal Coliform	5B	0.128			2002	2014
C01E-03-SF2	Tipers Creek						
Shellfishing	Fecal Coliform	5B	0.054			2002	2014
C01E-04-SF	Barrett Creek						
Shellfishing	Fecal Coliform	5B	0.109			2006	2018
C01E-05-SF2	Whays Creek						
Shellfishing	Fecal Coliform	5B	0.098			2006	2018
C01E-06-SF2	Warehouse Creek						
Shellfishing	Fecal Coliform	5B	0.021			2006	2018
C01E-07-SF	Horn Harbor						
Shellfishing	Fecal Coliform	5B	0.069			2002	2014
C01E-08-BAC	Cockrell Creek						
Recreation	Enterococcus	5A	0.464			2008	2020
C01E-08-SF	Cockrell Creek						
Shellfishing	Fecal Coliform	5B	0.464			1998	2010
C01E-10-SF	Owens Pond						
Shellfishing	Fecal Coliform	5B	0.187			1998	2010
C01E-11-SF	Little Taskmakers Creek						
Shellfishing	Fecal Coliform	5B	0.040			2008	2020
C01E-12-SF2	Mill Creek						
Shellfishing	Fecal Coliform	5B	0.239			2004	2016
C01E-17-PCB	Chesapeake Bay and Tidal Tributaries						
Fish Consumption	PCB in Fish Tissue	5A	1,857.071			2006	2018
C01E-20-SF	Lees Cove						
Shellfishing	Fecal Coliform	5B	0.015			2002	2014
C01E-21-SF	Chesapeake Bay, UT						
Shellfishing	Fecal Coliform	5B	0.019			2002	2014
C01E-22-SF	Indian Creek						
Shellfishing	Fecal Coliform	5B	0.412			1998	2010
C01E-24-SF	Dymer Creek						
Shellfishing	Fecal Coliform	5B	0.177			1998	2010
C01E-25-SF	Georges Cove						
Shellfishing	Fecal Coliform	5B	0.034			1998	2010

AR0012334

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
C01E-26-SF	Johnson Creek						
Shellfishing	Fecal Coliform	5B	0.029			2006	2018
C01E-27-SF	Tabs Creek						
Shellfishing	Fecal Coliform	5B	0.235			1998	2010
C01E-28-SF	Antipoison Creek						
Shellfishing	Fecal Coliform	5B	0.210			1998	2010
C01E-29-BAC	Indian Creek						
Recreation	Enterococcus	5A	0.428			2006	2018
C01E-32-SF	Gougher Creek						
Shellfishing	Fecal Coliform	5B	0.036			2006	2018
C01E-33-SF	Betts Mill Creek						
Shellfishing	Fecal Coliform	5B	0.112			2004	2016
C01E-34-SF	Davenport Creek						
Shellfishing	Fecal Coliform	5B	0.019			2004	2016
C01E-35-EBEN	Mill Creek						
Aquatic Life	Estuarine Bioassessments	5A	0.246			2008	2020
C01E-36-SF	Towles Creek						
Shellfishing	Fecal Coliform	5B	0.028			2008	2020
C01E-37-SF	Harveys Creek						
Shellfishing	Fecal Coliform	5B	0.105			2008	2020
C01E-38-SF	Cranes Creek						
Shellfishing	Fecal Coliform	5B	0.200			2008	2020
C01E-39-SF	Barrett Creek						
Shellfishing	Fecal Coliform	5B	0.022			2008	2020
C01E-40-SF	Coles Creek						
Shellfishing	Fecal Coliform	5B	0.019			2008	2020
C01E-41-SF	Cockrell Creek						
Shellfishing	Fecal Coliform	5B	0.611			1998	2010
C01E-42-SF	Jarvis Creek						
Shellfishing	Fecal Coliform	5B	0.016			2008	2020
C01E-43-SF	Old House Cove						
Shellfishing	Fecal Coliform	5B	0.024			2008	2020
C01E-44-SF	Henrys Creek						
Shellfishing	Fecal Coliform	5B	0.044			2008	2020
C01E-45-SF	Barnes Creek						
Shellfishing	Fecal Coliform	5B	0.331			2008	2020

AR0012335

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
C01E-46-SF	Bells Creek						
Shellfishing	Fecal Coliform	5B	0.042			2008	2020
C01E-47-SF	Long Creek						
Shellfishing	Fecal Coliform	5B	0.017			2008	2020
C01E-48-SF	Dymer Creek						
Shellfishing	Fecal Coliform	5B	0.055			2006	2018
C01E-49-SF	Hunts Cove						
Shellfishing	Fecal Coliform	5B	0.040			2008	2020
C01E-50-SF	Antipoison Creek, UT						
Shellfishing	Fecal Coliform	5B	0.033			2006	2018
C01E-51-SF	Antipoison Creek, UT						
Shellfishing	Fecal Coliform	5B	0.006			2006	2018
C01E-52-SF	Oyster Creek						
Shellfishing	Fecal Coliform	5B	0.115			2008	2020
C02R-01-PH	Dragon Swamp						
Aquatic Life	pH	5C			11.52	2002	2014
C02R-02-DO	Dragon Swamp						
Aquatic Life	Oxygen, Dissolved	5C			19.74	2004	2016
C02R-02-PH	Dragon Swamp						
Aquatic Life	pH	5C			19.74	2004	2016
C02R-03-HG	Dragon Swamp/Piankatank River						
Fish Consumption	Mercury in Fish Tissue	5A	2.952			2004	2016
	Mercury in Fish Tissue	5A			31.26	2006	2016
	Mercury in Fish Tissue	5A	0.058			2008	2016
C02R-04-DO	Exol Swamp						
Aquatic Life	Oxygen, Dissolved	5C			12.58	2006	2018
C02R-04-PH	Exol Swamp						
Aquatic Life	pH	5C			12.58	2006	2018
C02R-05-DO	Dragon Run						
Aquatic Life	Oxygen, Dissolved	5C			7.24	2008	2020
C03E-02-SF2	Piankatank River/Harpers Creek						
Shellfishing	Fecal Coliform	5B	1.474			2002	2014
C03E-03-SF	Frenchs Creek						
Shellfishing	Fecal Coliform	5B	0.010			2002	2014
C03E-04-SF	Ferry Creek						
Shellfishing	Fecal Coliform	5B	0.124			2002	2014
C03E-07-SF	Moore Creek						
Shellfishing	Fecal Coliform	5B	0.067			2002	2014

AR0012336

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
C03E-08-SF2	Jackson Creek						
Shellfishing	Fecal Coliform	5B	0.267			2006	2018
C03E-10-EBEN	Piankatank River						
Aquatic Life	Estuarine Bioassessments	5A	1.169			2006	2018
C03E-12-SF	Cobbs Creek						
Shellfishing	Fecal Coliform	5B	0.041			2006	2018
C03E-13-SF	Healy Creek						
Shellfishing	Fecal Coliform	5B	0.022			2002	2014
C03E-14-EBEN	Piankatank River						
Aquatic Life	Estuarine Bioassessments	5A	0.785			2008	2020
C03E-15-SF	Dancing Creek						
Shellfishing	Fecal Coliform	5B	0.034			2008	2020
C03E-16-SF	Piankatank River, UT						
Shellfishing	Fecal Coliform	5B	0.007			2008	2020
C03E-17-SF	Piankatank River, UT						
Shellfishing	Fecal Coliform	5B	0.005			2008	2020
C03E-18-SF	Cores Creek						
Shellfishing	Fecal Coliform	5B	0.018			2008	2020
C03E-19-SF	Porpoise Cove						
Shellfishing	Fecal Coliform	5B	0.011			2008	2020
C04E-01-SF	Queens Creek						
Shellfishing	Fecal Coliform	5B	0.271			1998	2010
C04E-02-SF	Milford Haven						
Shellfishing	Fecal Coliform	5B	0.031			1998	2010
C04E-03-SF	Edwards Creek						
Shellfishing	Fecal Coliform	5B	0.063			1998	2010
C04E-05-SF	Stutts Creek and Morris Creek						
Shellfishing	Fecal Coliform	5B	0.263			1998	2010
C04E-07-SF	Billups Creek						
Shellfishing	Fecal Coliform	5B	0.130			1998	2010
C04E-08-SF2	North River						
Shellfishing	Fecal Coliform	5B	0.382			2002	2014
C04E-09-SF2	Elmington Creek						
Shellfishing	Fecal Coliform	5B	0.009			2006	2018
C04E-11-SF2	Oakland Creek						
Shellfishing	Fecal Coliform	5B	0.037			2006	2018

AR0012337

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 Dev. Date
C04E-12-SF	Davis Creek						
Shellfishing	Fecal Coliform	5B	0.035			2002	2014
C04E-13-SF	East River						
Shellfishing	Fecal Coliform	5B	0.636			1998	2010
C04E-14-SF	Put In Creek						
Shellfishing	Fecal Coliform	5B	0.168			1998	2010
C04E-15-SF	Davis Creek						
Shellfishing	Fecal Coliform	5B	0.028			2002	2014
C04E-16-SF	Winter Harbor						
Shellfishing	Fecal Coliform	5B	0.119			2006	2018
C04E-17-BAC	Milford Haven						
Recreation	Enterococcus	5A	1.507			2006	2018
C04E-18-SF	Horn Harbor						
Shellfishing	Fecal Coliform	5B	0.137			1998	2010
C04E-19-SF	Doctors Creek						
Shellfishing	Fecal Coliform	5B	0.015			1998	2010
C04E-22-SF	Pepper Creek						
Shellfishing	Fecal Coliform	5B	0.031			2006	2018
C04E-25-SF	Winder Creek						
Shellfishing	Fecal Coliform	5B	0.021			2002	2014
C04E-27-SF	East River, UT						
Shellfishing	Fecal Coliform	5B	0.026			2002	2014
C04E-28-SF	Barn Creek						
Shellfishing	Fecal Coliform	5B	0.042			2008	2020
C04E-29-SF	Miles Creek						
Shellfishing	Fecal Coliform	5B	0.042			2004	2016
C04E-30-SF	Lanes Creek, UT						
Shellfishing	Fecal Coliform	5B	0.002			2008	2020
C04E-31-SF	Stutts Creek (Hole in the Wall)						
Shellfishing	Fecal Coliform	5B	0.026			2008	2020
C04E-32-SF	Hudgins Creek						
Shellfishing	Fecal Coliform	5B	0.014			2008	2020
C04E-33-SF	Winter Harbor						
Shellfishing	Fecal Coliform	5B	0.241			2008	2020
C04E-34-SF	Dyer Creek						
Shellfishing	Fecal Coliform	5B	0.033			2008	2020

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 Dev. Date
C04E-35-SF	Sloop Creek						
Shellfishing	Fecal Coliform	5B	0.050			2008	2020
C04E-36-SF	Davis Creek						
Shellfishing	Fecal Coliform	5B	0.011			2006	2018
C04E-37-SF	Whites Creek						
Shellfishing	Fecal Coliform	5B	0.017			2008	2020
C04E-38-SF	East River, UT						
Shellfishing	Fecal Coliform	5B	0.016			2008	2020
C04E-39-SF	East River, UT						
Shellfishing	Fecal Coliform	5B	0.020			2008	2020
C04E-40-SF	Tabbs Creek						
Shellfishing	Fecal Coliform	5B	0.082			2008	2020
C04E-41-SF	Thomas Creek						
Shellfishing	Fecal Coliform	5B	0.027			2008	2020
C04E-42-SF	Weston Creek						
Shellfishing	Fecal Coliform	5B	0.037			2008	2020
C04E-43-SF	Raines Creek						
Shellfishing	Fecal Coliform	5B	0.039			2008	2020
C04E-44-SF	East River, UT						
Shellfishing	Fecal Coliform	5B	0.025			2008	2020
C04E-45-SF	East River, UT						
Shellfishing	Fecal Coliform	5B	0.026			2008	2020
C04E-46-SF	East River, UT						
Shellfishing	Fecal Coliform	5B	0.004			2008	2020
C04E-47-SF	Belleville Creek						
Shellfishing	Fecal Coliform	5B	0.053			2008	2020
C04R-02-BAC	Burke Mill Stream						
Recreation	Escherichia coli	5A			2.18	2008	2016
C04R-02-DO	Burke Mill Stream						
Aquatic Life	Oxygen, Dissolved	5A			2.18	2008	2020
C05E-01-SF2	Ware River						
Shellfishing	Fecal Coliform	5B	0.262			2002	2014
C05E-02-SF2	Wilson Creek						
Shellfishing	Fecal Coliform	5B	0.122			2002	2014
C05R-01-BAC	Fox Mill Run						
Recreation	Fecal Coliform	5A			7.37	2002	2014

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
C05R-01-DO	Fox Mill Run						
Aquatic Life	Oxygen, Dissolved	5A			7.37	2002	2014
C06E-03-SF	Northwest Branch Severn River						
Shellfishing	Fecal Coliform	5B	0.174			2008	2020
C06E-06-SF	Whittaker Creek						
Shellfishing	Fecal Coliform	5B	0.066			2008	2020
C06E-07-SF	Sterling Creek						
Shellfishing	Fecal Coliform	5B	0.026			2008	2020
C06E-09-SF	Willetts Creek						
Shellfishing	Fecal Coliform	5B	0.128			2008	2020
C06E-10-SF	Rowes Creek						
Shellfishing	Fecal Coliform	5B	0.033			2008	2020
C06E-11-SF	Southwest Branch Severn River						
Shellfishing	Fecal Coliform	5B	0.090			2008	2020
C06R-01-BAC	Northwest Branch of Severn River						
Recreation	Escherichia coli	5A			2.69	2008	2014
C06R-01-CHLR	Northwest Branch of Severn River						
Aquatic Life	Chloride	5C			2.69	2004	2016
Wildlife	Chloride	5C			2.69	2004	2016
C06R-01-DO	Northwest Branch of Severn River						
Aquatic Life	Oxygen, Dissolved	5A			2.69	2008	2020
C07E-01-PCB	Chesapeake Bay & Tidal Tributaries VDH Fish Consumption Advisory for PCBs						
Fish Consumption	PCB in Fish Tissue	5A	9.988			2006	2018
C07E-04-BAC	Poquoson River - Upper						
Recreation	Enterococcus	5A	0.121			1998	2010
C07E-05-BAC	Southwest Branch - Back River						
Recreation	Fecal Coliform	5A	0.208			2002	2014
C07E-11-SF	Poquoson River - Upper						
Shellfishing	Fecal Coliform	5B	0.121			1998	2010
C07E-20-SF	DSS Inlet #2 - Unnamed Inlet S. Shore of Back River						
Shellfishing	Fecal Coliform	5B	0.005			2004	2016
C07E-23-SF	Boathouse Creek						
Shellfishing	Fecal Coliform	5B	0.061			2008	2020
C07E-24-SF	Unnamed Cove @ Crane & Adjacent Mouth Patricks Cr. And Upper Hodges Creek						
Shellfishing	Fecal Coliform	5B	0.058			2004	2016
C07E-25-SF	Lyons Creek - Upper						
Shellfishing	Fecal Coliform	5B	0.044			2006	2018
	Fecal Coliform	5B	0.026			2008	2020

AR0012340

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
C07E-26-SF	Bennett Creek, Easton Cove and Floyds Bay						
Shellfishing	Fecal Coliform	5B	0.184			2006	2018
	Fecal Coliform	5B	0.029			2008	2020
C07E-29-BAC	Chisman & Goose Creeks						
Recreation	Enterococcus	5A	0.495			2006	2018
C07E-30-SF	Cabin Creek - Upper						
Shellfishing	Fecal Coliform	5B	0.048			2008	2020
C07E-31-SF	Southwest Branch, Back River and Watts Creek						
Shellfishing	Fecal Coliform	5B	0.208			2002	2014
	Fecal Coliform	5B	0.095			2004	2016
C07E-33-SF	Northwest Br. Back River - Upper						
Shellfishing	Fecal Coliform	5B	0.261			2006	2018
C07L-01-CU	Harwood Mills Reservoir						
Aquatic Life	Copper	5A		257.68		2004	2016
Wildlife	Copper	5A		257.68		2004	2016
C07L-01-DO	Harwood Mills Reservoir						
Aquatic Life	Oxygen, Dissolved	5A		257.68		2004	2016
C07R-01-DO	Newmarket Creek - Lower Riverine						
Aquatic Life	Oxygen, Dissolved	5A			1.98	2006	2018
C08E-01-EBEN	Lynnhaven River - Mainstem						
Aquatic Life	Estuarine Bioassessments	5A	7.881			2008	2020
C08E-01-PCB	Lynnhaven River System VDH Fish Consumption Advisory						
Fish Consumption	PCB in Fish Tissue	5A	10.706			2006	2018
C08L-01-DO	Lake Whitehurst						
Aquatic Life	Oxygen, Dissolved	5A		494.93		2008	2020
C08L-01-HG	Lake Whitehurst						
Fish Consumption	Mercury in Fish Tissue	5A		494.93		2008	2020
C08L-01-PCB	Lake Whitehurst VDH Fish Consumption Advisory						
Fish Consumption	PCB in Fish Tissue	5A		494.93		2006	2018
C08L-03-DO	Little Creek Reservoir						
Aquatic Life	Oxygen, Dissolved	5A		199.79		2006	2018
C08L-03-PCB	Little Creek Reservoir VDH Fish Consumption Advisory						
Fish Consumption	PCB in Fish Tissue	5A		199.79		2008	2020
C08L-04-DO	Lake Smith						
Aquatic Life	Oxygen, Dissolved	5A		184.89		2002	2014
C08L-06-HG	Lake Trashmore - Western Pond VDH Fish Consumption Advisory for Mercury						
Fish Consumption	Mercury in Fish Tissue	5A		54.39		2006	2018

AR0012341

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
C08L-06-PCB	Lake Trashmore - Western Pond VDH Fish Consumption Advisory for PCBs						
Fish Consumption	PCB in Fish Tissue	5A		54.39		2006	2018
C09E-01-BAC	Bulbeggar Creek						
Recreation	Enterococcus	5A	0.134			2004	2016
C09E-02-BAC	Pocomoke River						
Recreation	Enterococcus	5A	0.207			2006	2018
C09E-10-SF	Pocomoke River, Pocomoke Sound, Bulbeggar & Pitts Creeks and Holdens Creek						
Shellfishing	Fecal Coliform	5B	2.602			1998	2010
C09R-01-DO	Unnamed tributary to Pitts Creek						
Aquatic Life	Oxygen, Dissolved	5A			6.89	1998	2010
C09R-02-BAC	Unnamed tributary to Pitts Creek						
Recreation	Escherichia coli	5A			6.89	2004	2016
C09R-02-PH	Unnamed tributary to Pitts Creek						
Aquatic Life	pH	5A			6.89	2006	2018
C10E-01-BAC	Holdens Creek - Upper						
Recreation	Enterococcus	5A	0.034			1998	2010
C10E-02-BAC	Muddy Creek - Upper						
Recreation	Enterococcus	5A	0.213			2006	2018
C10E-05-DO	Messongo Creek - Upper						
Aquatic Life	Oxygen, Dissolved	5A	0.052			2006	2008
C10E-06-BAC	Deep Creek						
Recreation	Enterococcus	5A	0.693			2006	2018
C10E-07-BAC	Hunting Creek						
Recreation	Enterococcus	5A	0.842			2006	2018
C10E-10-SF	Bagwell Creek and Dix Cove						
Shellfishing	Fecal Coliform	5B	0.258			1998	2010
C10E-11-SF	Deep Creek - Upper						
Shellfishing	Fecal Coliform	5B	0.274			1998	2010
C10E-12-SF	Guilford Creek - Upper						
Shellfishing	Fecal Coliform	5B	0.033			1998	2010
C10E-13-SF	Starling Creek - Lower						
Shellfishing	Fecal Coliform	5B	0.055			1998	2010
C10E-15-SF	Young Creek - Upper						
Shellfishing	Fecal Coliform	5B	0.024			2002	2014
C10E-16-SF	Muddy Creek - Upper						
Shellfishing	Fecal Coliform	5B	0.213			1998	2010

AR0012342

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 Dev. Date
C10E-17-SF	Messongo Creek - Middle						
Shellfishing	Fecal Coliform	5B	0.058			2002	2014
C10E-18-SF	Hunting Creek - Upper						
Shellfishing	Fecal Coliform	5B	0.286			1998	2010
C10R-01-BAC	Unnamed tributary to Sandy Bottom Branch						
Recreation	Fecal Coliform	5A			1.87	1996	2010
C10R-01-BEN	Unnamed tributary to Sandy Bottom Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.87	1996	2010
C10R-02-BAC	Sandy Bottom Branch						
Recreation	Escherichia coli	5A			1.28	2004	2016
C10R-02-BEN	Sandy Bottom Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.28	1996	2010
C10R-02-CU	Sandy Bottom Branch						
Aquatic Life	Copper	5A			1.28	2002	2014
Wildlife	Copper	5A			1.28	2002	2014
C10R-03-BEN	Guilford Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			0.65	2008	2020
C11E-11-SF	Chesconessex Creek - Upper						
Shellfishing	Fecal Coliform	5B	0.209			1998	2010
C11E-20-SF	Parkers Creek - Upper						
Shellfishing	Fecal Coliform	5B	0.033			2008	2020
C11R-01-BAC	Joynes Branch						
Recreation	Escherichia coli	5A			2.17	2008	2020
C12R-01-BEN	Taylor Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			0.88	2004	2016
C12R-02-BEN	Bull Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.20	2008	2020
C13E-02-BAC	Nassawadox Creek - Lower						
Recreation	Enterococcus	5A	2.002			2008	2020
C13E-11-SF	Church Creek - Upper						
Shellfishing	Fecal Coliform	5B	0.222			2004	2016
C13E-20-SF	Nassawadox Creek-Upper and UT to Lower Church Creek						
Shellfishing	Fecal Coliform	5B	0.434			2008	2020
C13E-21-SF	UT to Lower Craddock Creek						
Shellfishing	Fecal Coliform	5B	0.036			2008	2020
C13E-22-SF	Upper Back Creek and Fisher, Boggs and Shields Coves						
Shellfishing	Fecal Coliform	5B	0.142			2008	2020

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 Dev. Date
C13R-01-BEN	Taylor Branch - Occohannock Cr.						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			0.97	2008	2020
C14E-01-BAC	Hungars Creek - Upper						
Recreation	Fecal Coliform	5A	0.221			1998	2010
C14E-01-SF	Hungars Creek - Upper						
Shellfishing	Fecal Coliform	5B	0.221			1998	2010
C14E-10-SF	Barlow Creek - Upper						
Shellfishing	Fecal Coliform	5B	0.039			1998	2010
C14E-12-SF	Jacobus Creek - Middle, Forks and Lower						
Shellfishing	Fecal Coliform	5B	0.387			1998	2010
C14E-13-SF	Mattawoman Creek - Upper						
Shellfishing	Fecal Coliform	5B	0.231			1998	2010
C16E-01-BAC	Cape Charles Harbor - Upper						
Recreation	Enterococcus	5A	0.056			2004	2016
C16E-10-SF	Old Plantation Creek - Upper						
Shellfishing	Fecal Coliform	5B	0.065			1998	2010
CB5MH-DO-BAY	Chesapeake Bay segment CB5MH						
Aquatic Life	Oxygen, Dissolved	5A	5.807			2002	2010
	Oxygen, Dissolved	5A	189.077			2004	2010
	Oxygen, Dissolved	5A	10.538			2006	2010
Deep-Channel Seasonal Refuge	Oxygen, Dissolved	5A	187.608			2004	2010
Deep-Water Aquatic Life	Oxygen, Dissolved	5A	5.807			2002	2010
	Oxygen, Dissolved	5A	187.608			2004	2010
	Oxygen, Dissolved	5A	10.538			2006	2010
CB5MH-EBEN-BAY	Mainstem Chesapeake Bay portion (i.e. excluding tributaries) of CBP segment CB5MH						
Aquatic Life	Estuarine Bioassessments	5A	187.608			2004	2018
	Estuarine Bioassessments	5A	5.148			2008	2018
CB5MH-SAV-BAY	Chesapeake Bay segment CB5MH						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	213.497			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	213.497			2006	2010
CB6PH-DO-BAY	Chesapeake Bay segment CB6MH						
Aquatic Life	Oxygen, Dissolved	5A	292.107			2006	2010
Deep-Water Aquatic Life	Oxygen, Dissolved	5A	127.153			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	292.107			2006	2010
CB6PH-SAV-BAY	Chesapeake Bay segment CB6PH						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	292.107			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	292.107			2006	2010

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
CB7PH-DO-BAY	Chesapeake Bay segment CB7PH						
Aquatic Life	Oxygen, Dissolved	5A	553.618			1998	2010
	Oxygen, Dissolved	5A	33.248			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	553.618			1998	2010
	Oxygen, Dissolved	5A	33.248			2006	2010
CB7PH-SAV-BAY	Chesapeake Bay segment CB7PH						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	586.865			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	586.865			2006	2010
CB8PH-SAV-BAY	Chesapeake Bay segment CB8PH						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	156.117			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	156.117			2006	2010
D01E-02-BAC	Little Mosquito Creek						
Recreation	Enterococcus	5A	0.208			2004	2016
D01E-02-DO	Little Mosquito Creek						
Aquatic Life	Oxygen, Dissolved	5A	0.138			2004	2016
	Oxygen, Dissolved	5A	0.071			2008	2020
D01E-02-SF	Little Mosquito Creek - Lower						
Shellfishing	Fecal Coliform	5B	0.138			1998	2010
D01E-03-BAC	Powells Bay						
Recreation	Enterococcus	5A	0.597			2006	2018
D01E-04-BAC	Swan Gut Creek						
Recreation	Enterococcus	5A	0.120			2006	2018
D01E-04-DO	Swan Gut Creek						
Aquatic Life	Oxygen, Dissolved	5A	0.120			2004	2016
D01E-04-SF	Swan Gut Creek						
Shellfishing	Fecal Coliform	5B	0.120			1998	2010
D01E-05-SF	Big Simoneaston Creek						
Shellfishing	Fecal Coliform	5B	0.018			2008	2020
D01E-13-SF	Greenbackville Harbor - DSS						
Shellfishing	Fecal Coliform	5B	0.009			1998	2010
D02E-01-BAC	Assawoman Creek						
Recreation	Enterococcus	5A	0.136			1998	2010
D02E-01-DO	Assawoman Creek						
Aquatic Life	Oxygen, Dissolved	5A	0.063			2004	2014
	Oxygen, Dissolved	5A	0.073			2008	2020
D02E-01-SF	Assawoman Creek						
Shellfishing	Fecal Coliform	5B	0.136			1998	2010

AR0012345

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 Dev. Date
D02E-11-SF	Little Cat Creek						
Shellfishing	Fecal Coliform	5B	0.096			2006	2018
D02E-12-SF	Arbuckle Creek & South Portion of Womans Bay						
Shellfishing	Fecal Coliform	5B	0.131			2006	2018
D02R-01-BAC	Pettit Branch						
Recreation	Escherichia coli	5A			1.74	1998	2010
D02R-01-BEN	Pettit Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.74	1996	2010
D03E-01-DO	Gargathy Creek						
Aquatic Life	Oxygen, Dissolved	5A	0.021			2004	2016
	Oxygen, Dissolved	5A	0.109			2006	2018
D03E-01-SF	Gargathy Creek						
Shellfishing	Fecal Coliform	5B	0.109			2004	2016
	Fecal Coliform	5B	0.021			2008	2020
D03E-02-BAC	Finney Creek - Upper						
Recreation	Fecal Coliform	5A	0.002			2004	2016
D03E-04-BAC	Folly Creek - Upper/ Middle						
Recreation	Enterococcus	5A	0.376			2006	2018
D03E-04-DO	Folly Creek - Middle						
Aquatic Life	Oxygen, Dissolved	5A	0.376			2006	2018
D03E-04-SF	Folly Creek - Upper/ Middle						
Shellfishing	Fecal Coliform	5B	0.326			1998	2010
D03E-05-BAC	Parker Creek -Middle/ Lower						
Recreation	Enterococcus	5A	0.047			2006	2018
D03E-05-SF	Parker Creek - Lower						
Shellfishing	Fecal Coliform	5B	0.029			1998	2010
D03E-07-BAC	Wachapreague Channel						
Recreation	Enterococcus	5A	0.032			2008	2020
D03E-07-SF	Wachapreague Channel						
Shellfishing	Fecal Coliform	5B	0.011			2008	2020
D03E-08-DO	Northam Creek						
Aquatic Life	Oxygen, Dissolved	5A	0.028			2004	2016
D03R-01-BAC	Parker Creek						
Recreation	Escherichia coli	5A			2.19	1994	2016
D03R-01-BEN	Parker Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.19	1994	2010
D03R-02-BAC	Gargathy Creek						
Recreation	Escherichia coli	5A			2.69	2004	2016

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 Dev. Date
D03R-02-BEN	Gargathy Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.69	2002	2014
D03R-03-BEN	Ross Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.07	2002	2014
D03R-04-BEN	Unnamed tributary to Folly Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.46	2002	2014
D03R-04-DO	Unnamed tributary to Folly Creek						
Aquatic Life	Oxygen, Dissolved	5A			1.46	2006	2018
D04E-01-BAC	Red Bank Creek - Middle						
Recreation	Enterococcus	5A	0.029			2008	2020
D04E-01-DO	Red Bank Creek						
Aquatic Life	Oxygen, Dissolved	5A	0.003			2004	2016
	Oxygen, Dissolved	5A	0.018			2008	2020
D04E-01-SF	Red Bank Creek						
Shellfishing	Fecal Coliform	5B	0.018			2006	2018
D04E-02-DO	Unnamed tributary to Red Bank Creek.						
Aquatic Life	Oxygen, Dissolved	5A	0.006			2004	2016
D04E-02-SF	Unnamed tributary to Red Bank Creek.						
Shellfishing	Fecal Coliform	5B	0.006			2006	2018
D04E-03-DO	Quinby Harbor-Upshur Bay						
Aquatic Life	Oxygen, Dissolved	5A	0.058			2006	2018
D04E-04-SF	Parting Creek - Upper						
Shellfishing	Fecal Coliform	5B	0.377			2008	2020
D04E-05-BAC	Machipongo River						
Recreation	Escherichia coli	5A	0.333			2008	2020
D04E-05-SF	Machipongo River						
Shellfishing	Fecal Coliform	5B	0.333			2008	2020
D04R-01-BAC	Red Bank Creek						
Recreation	Fecal Coliform	5A			1.27	2004	2016
D05E-01-BAC	Oyster Slip (Harbor) - Upper						
Recreation	Enterococcus	5A	0.034			2006	2018
D05E-01-SF	Oyster Slip (Harbor) - Upper						
Shellfishing	Fecal Coliform	5B	0.034			1998	2010
D05R-01-BAC	Taylor Creek						
Recreation	Fecal Coliform	5A			1.21	2002	2014
D05R-02-BAC	Holt Creek						
Recreation	Escherichia coli	5A			1.91	2004	2016

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date
D05R-03-BAC	Holt Creek Unnamed Tributary						
Recreation	Escherichia coli	5A			1.38	2004	2016
	Fecal Coliform	5A			1.38	2004	2016
D06E-01-DO	Magothy Bay						
Aquatic Life	Oxygen, Dissolved	5A	0.031			2004	2016
D06R-01-BAC	Mill Creek						
Recreation	Fecal Coliform	5A			1.55	2004	2016
D06R-01-DO	Mill Creek						
Aquatic Life	Oxygen, Dissolved	5A			1.55	1998	2010
D06R-01-PH	Mill Creek						
Aquatic Life	pH	5A			1.55	1998	2010
D06R-02-BAC	Narrow Channel Branch						
Recreation	Fecal Coliform	5A			1.33	2004	2016
D06R-02-BEN	Narrow Channel Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.33	2004	2016
D06R-03-BAC	Tommy's Ditch						
Recreation	Escherichia coli	5A			2.29	2008	2020
D06R-03-DO	Tommy's Ditch						
Aquatic Life	Oxygen, Dissolved	5A			2.29	2008	2020
D07E-02-BAC	Lake Rudee - Upper						
Recreation	Enterococcus	5A	0.089			2004	2016
D07E-02-SF	Lake Rudee - Upper						
Shellfishing	Fecal Coliform	5B	0.089			2006	2018
D07E-04-BAC	Owl Creek - Upper/ Lower						
Recreation	Enterococcus	5A	0.005			2002	2014
	Enterococcus	5A	0.017			2008	2020
D07E-04-DO	Owl Creek- Upper						
Aquatic Life	Oxygen, Dissolved	5A	0.005			2006	2018
	Oxygen, Dissolved	5A	0.017			2008	2020
D07E-04-SF	Owl Creek - Lower						
Shellfishing	Fecal Coliform	5B	0.022			2006	2018
D07E-10-SF	Lake Rudee and Lake Wesley						
Shellfishing	Fecal Coliform	5B	0.060			2006	2018
LYNPH-DO-BAY	Lynnhaven River and Broad Bay System CBP segment LYNPH and Tributaries						
Aquatic Life	Oxygen, Dissolved	5A	7.881			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	7.881			2006	2010

AR0012348

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 Dev. Date
LYNPH-SAV-BAY	Lynnhaven River and Broad Bay System CBP segment LYNPH						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	10.449			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	10.706			2006	2010
MOBPH-DO-BAY	Chesapeake Bay segment MOBPH (Mobjack Bay)						
Aquatic Life	Oxygen, Dissolved	5A	0.168			2002	2010
	Oxygen, Dissolved	5A	0.238			2004	2010
	Oxygen, Dissolved	5A	413.332			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	0.168			2002	2010
	Oxygen, Dissolved	5A	0.238			2004	2010
	Oxygen, Dissolved	5A	413.332			2006	2010
MOBPH-SAV-BAY	Chesapeake Bay segment MOBPH (Mobjack Bay)						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	411.909			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	411.909			2006	2010
PIAMH-DO-BAY	Piankatank Mesohaline Estuary						
Aquatic Life	Oxygen, Dissolved	5A	12.808			2002	2010
	Oxygen, Dissolved	5A	0.049			2006	2010
	Oxygen, Dissolved	5A	11.755			2008	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	12.808			2002	2010
	Oxygen, Dissolved	5A	0.049			2006	2010
	Oxygen, Dissolved	5A	13.197			2008	2010
PIAMH-SAV-BAY	Piankatank Mesohaline Estuary						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	26.055			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	26.055			2006	2010
POCMH-SAV-BAY	Chesapeake Bay segment POCMH (Pocomoke Sound)						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	55.406			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	55.149			2006	2010
POCOH-DO-BAY	Pocomoke River System CBP segment POCOH (Pocomoke River)						
Aquatic Life	Oxygen, Dissolved	5A	0.428			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	0.428			2006	2010
TANMH-DO-BAY	Chesapeake Bay segment TANMH (Tangier Sound)						
Aquatic Life	Oxygen, Dissolved	5A	122.541			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	122.541			2006	2010
TANMH-SAV-BAY	Chesapeake Bay segment TANMH (Tangier Sound)						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	122.541			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	122.541			2006	2010

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

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 Dev. Date

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

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

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

York River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
E09R-01-BAC	Mountain Run						
Recreation	Escherichia coli	5A			6.14	2006	2018
F01L-01-HG	Lake Gordonsville						
Fish Consumption	Mercury in Fish Tissue	5A		77.23		2006	2018
F01R-01-BAC	South Anna River						
Recreation	Escherichia coli	5A			4.06	2006	2018
	Fecal Coliform	5A			7.55	2006	2018
F01R-02-BAC	Wheeler Creek						
Recreation	Fecal Coliform	5A			0.22	2006	2018
F01R-02-BEN	Wheeler Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			0.22	2008	2020
F02R-02-BAC	Unnamed tributary to the South Anna River						
Recreation	Escherichia coli	5A			1.34	2008	2020
F03R-01-BAC	South Anna River						
Recreation	Escherichia coli	5A			1.75	2006	2018
F03R-03-DO	Cub Creek						
Aquatic Life	Oxygen, Dissolved	5A			3.04	2008	2020
F03R-04-BAC	Fork Creek						
Recreation	Escherichia coli	5A			1.70	2008	2020
F04R-03-BAC	Stagg Creek						
Recreation	Escherichia coli	5A			6.47	2006	2018
F04R-03-DO	Stagg Creek						
Aquatic Life	Oxygen, Dissolved	5A			6.47	2008	2020
F06R-03-BAC	Gold Mine Creek						
Recreation	Escherichia coli	5A		73.82		2008	2020
F06R-04-BAC	North Anna River						
Recreation	Escherichia coli	5A			3.07	2006	2018
F07L-01-PCB	Lake Anna and CON, GMC, and TRY						
Fish Consumption	PCB in Fish Tissue	5A		2,108.31		2002	2014
	PCB in Fish Tissue	5A		7,487.04	22.34	2006	2018
F07R-04-BAC	Tomahawk Creek						
Recreation	Fecal Coliform	5A			3.25	2004	2016
F07R-05-BAC	Berry Run						
Recreation	Escherichia coli	5A			2.25	2006	2016
F08R-01-CD	Contrary Creek						
Aquatic Life	Cadmium	5A		26.38	5.42	2008	2020
Wildlife	Cadmium	5A		26.38	5.42	2008	2020

AR0012351

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

York River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
F08R-01-CU	Contrary Creek						
Aquatic Life	Copper	5A		26.38	5.42	2008	2020
Wildlife	Copper	5A		26.38	5.42	2008	2020
F08R-01-PB	Contrary Creek						
Aquatic Life	Lead	5A		26.38	5.42	2008	2020
Wildlife	Lead	5A		26.38	5.42	2008	2020
F08R-01-PH	Contrary Creek						
Aquatic Life	pH	5A			5.42	2002	2014
	pH	5A		26.38		2008	2020
F08R-01-ZN	Contrary Creek						
Aquatic Life	Zinc	5A		26.38	5.42	2008	2020
Wildlife	Zinc	5A		26.38	5.42	2008	2020
F09R-01-BAC	Northeast Creek						
Recreation	Escherichia coli	5A			2.74	2006	2018
F09R-01-DO	Northeast Creek						
Aquatic Life	Oxygen, Dissolved	5C			15.41	2008	2020
F09R-01-PH	Northeast Creek						
Aquatic Life	pH	5C			1.03	2004	2016
F09R-02-BAC	Music Branch						
Recreation	Escherichia coli	5A			3.47	2008	2020
F09R-02-BEN	North Anna River, UT (XHS)						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			0.89	2008	2020
F09R-02-PH	Northeast Creek						
Aquatic Life	pH	5C			8.24	2008	2020
F10R-01-BAC	Little River						
Recreation	Escherichia coli	5A			4.01	2006	2018
F10R-01-DO	Little River						
Aquatic Life	Oxygen, Dissolved	5C			4.01	2006	2018
F10R-01-PH	Little River						
Aquatic Life	pH	5C			4.01	2006	2018
F11R-01-BAC	Little River						
Recreation	Escherichia coli	5A			10.26	2008	2020
F11R-01-DO	Little River						
Aquatic Life	Oxygen, Dissolved	5A			10.26	2008	2020
F12R-03-PH	Hornquarter Creek						
Aquatic Life	pH	5C			6.57	2002	2014
F12R-05-PH	Mechumps Creek						
Aquatic Life	pH	5A			0.94	2006	2018

AR0012352

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

York River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
F12R-07-BAC	Crump Creek						
Recreation	Escherichia coli	5A			9.40	2008	2020
F12R-08-BAC	Pamunkey River						
Recreation	Escherichia coli	5A			12.18	2008	2020
F13R-02-PH	Totopotomoy Creek						
Aquatic Life	pH	5C			9.63	2004	2016
F13R-03-BAC	Jacks Creek and major tributaries						
Recreation	Escherichia coli	5A			21.71	2008	2020
F13R-03-DO	Jacks Creek and major tributaries						
Aquatic Life	Oxygen, Dissolved	5C			21.71	2002	2014
F13R-04-PH	Moncuin Creek, Webb Creek						
Aquatic Life	pH	5C			11.82	2002	2014
F13R-06-PH	Sullens Creek						
Aquatic Life	pH	5C			2.67	2004	2016
F13R-09-BAC	UT XDX to UT XDW to Pamunkey River						
Recreation	Fecal Coliform	5A			3.74	2004	2016
F13R-13-HG	Pamunkey River						
Fish Consumption	Mercury in Fish Tissue	5A	1.123		11.84	2006	2018
F14E-02-CHLR	Pamunkey River						
Aquatic Life	Chloride	5C	4.368			2004	2016
Wildlife	Chloride	5C	4.368			2004	2016
F14E-03-BAC	Pamunkey River						
Recreation	Enterococcus	5A	4.368			2006	2018
F14E-04-SF	Pamunkey & Mattaponi River						
Shellfishing	Fecal Coliform	5B	1.752			2006	2018
F14R-02-BAC	Harrison Creek						
Recreation	Escherichia coli	5A			2.59	2008	2020
F14R-03-PH	UT to Cohoke Mill Creek						
Aquatic Life	pH	5C			2.20	2004	2016
F15R-02-BAC	Brock Run						
Recreation	Escherichia coli	5A			0.93	2008	2020
F16R-02-BAC	Po River						
Recreation	Escherichia coli	5A			7.39	2008	2020
F17L-01-HG	Bowies Pond						
Fish Consumption	Mercury in Fish Tissue	5A		25.37		2008	2020
F17R-01-BAC	Mattaponi River						
Recreation	Escherichia coli	5A			5.88	2006	2018

AR0012353

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

York River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
F17R-01-PH	Mattaponi River						
Aquatic Life	pH	5C			5.88	2006	2018
F17R-02-BAC	Mattaponi River						
Recreation	Escherichia coli	5A			3.14	2008	2020
F18R-02-BAC	Matta River						
Recreation	Escherichia coli	5A			11.15	2004	2016
F18R-02-PH	Matta River						
Aquatic Life	pH	5C			11.15	2008	2020
F18R-03-BEN	Matta River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.20	2008	2020
F19R-01-BAC	South River						
Recreation	Escherichia coli	5A			3.26	2004	2016
F19R-01-PH	South River						
Aquatic Life	pH	5C			3.26	2008	2020
F20R-01-BAC	Polecat Creek						
Recreation	Escherichia coli	5A			6.66	2006	2018
F20R-01-PH	Polecat Creek						
Aquatic Life	pH	5C			6.66	2004	2016
F21R-01-BEN	Herring Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			4.57	2008	2020
F21R-01-HG	Mattaponi River						
Fish Consumption	Mercury in Fish Tissue	5A	3.680		11.83	2006	2018
F21R-02-HG	Mattaponi River						
Fish Consumption	Mercury in Fish Tissue	5A			10.90	2006	2018
F21R-02-PH	Mattaponi River						
Aquatic Life	pH	5C			3.28	2002	2010
F21R-03-BAC	Reedy Creek						
Recreation	Fecal Coliform	5A			12.43	2004	2016
F21R-04-PH	Chapel Creek						
Aquatic Life	pH	5C			4.44	2008	2020
F22R-01-BAC	Maracossic Creek						
Recreation	Escherichia coli	5A			4.27	2006	2018
F22R-01-PH	Maracossic Creek						
Aquatic Life	pH	5C			4.31	2002	2014
	pH	5C			4.27	2008	2020
F22R-02-PH	Root Swamp						
Aquatic Life	pH	5C			7.63	2006	2018

AR0012354

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

York River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
F22R-03-DO	Unnamed tributary to Root Swamp						
Aquatic Life	Oxygen, Dissolved	5C			0.70	2006	2018
F22R-03-PH	Unnamed tributary to Root Swamp						
Aquatic Life	pH	5C			0.70	2006	2018
F22R-04-PH	Beverly Run						
Aquatic Life	pH	5C			3.19	2008	2020
F22R-05-PH	Doctors Creek						
Aquatic Life	pH	5C			2.21	2008	2020
F23E-02-BAC	Mattaponi River						
Recreation	Escherichia coli	5A	0.155			2008	2020
F23R-02-DO	Dickeys Swamp, Dogwood Fork, UT Garnetts Creek UT						
Aquatic Life	Oxygen, Dissolved	5C			16.43	2002	2014
F23R-03-DO	Walkerton Branch						
Aquatic Life	Oxygen, Dissolved	5C			3.93	2006	2018
F23R-03-PH	Walkerton Branch						
Aquatic Life	pH	5C			3.93	2004	2016
F23R-06-PCB	Mattaponi River						
Fish Consumption	PCB in Fish Tissue	5A			4.84	2002	2018
	PCB in Fish Tissue	5A	0.155			2006	2018
F24E-02-CHLR	Mattaponi River						
Aquatic Life	Chloride	5C	3.677			2004	2016
Wildlife	Chloride	5C	3.677			2004	2016
F24E-03-EBEN	Mattaponi River						
Aquatic Life	Estuarine Bioassessments	5A	2.826			2008	2020
F24E-04-DO	Mattaponi River						
Aquatic Life	Oxygen, Dissolved	5A	3.080			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	3.080			2006	2010
F25E-01-BAC	Mattaponi River						
Recreation	Enterococcus	5A	1.235			2006	2018
	Enterococcus	5C	1.300			2006	2018
F25E-02-SF	Mattaponi River						
Shellfishing	Fecal Coliform	5B	0.390			2006	2018
F25R-01-BAC	Tastine Swamp and Little Tastine Swamp						
Recreation	Fecal Coliform	5A			6.00	2002	2014
F25R-01-DO	Tastine Swamp and Little Tastine Swamp						
Aquatic Life	Oxygen, Dissolved	5C			6.00	2002	2014

AR0012355

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

York River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
F26E-01-PCB	York River Basin VDH Fish Consumption Advisory for PCBs						
Fish Consumption	PCB in Fish Tissue	5A	0.358			2002	2014
	PCB in Fish Tissue	5A	57.423			2006	2018
F26E-03-BAC	Queen Creek						
Recreation	Enterococcus	5A	0.438			2002	2014
F26E-05-BAC	York River						
Recreation	Enterococcus	5A	6.966			2006	2018
F26E-06-SF	Fox Creek						
Shellfishing	Fecal Coliform	5B	0.022			2006	2018
F26E-10-SF	Carter Creek						
Shellfishing	Fecal Coliform	5B	0.030			2004	2016
F26E-12-SF	Poropotank River and Purtan, Leigh and Adams Creeks						
Shellfishing	Fecal Coliform	5B	1.213			1998	2010
	Fecal Coliform	5B	0.172			2008	2020
F26E-16-SF	Queen Creek						
Shellfishing	Fecal Coliform	5B	0.438			1998	2010
F26E-17-SF	Skimino Creek						
Shellfishing	Fecal Coliform	5B	0.191			1998	2010
F26E-18-SF	Taskinas and Ware Creeks						
Shellfishing	Fecal Coliform	5B	0.112			1998	2010
F26E-20-CHLR	York River - Upper						
Aquatic Life	Chloride	5C	6.966			2008	2020
F26E-20-SF	York River mainstem, Unsegmented estuaries in F26E, Baker, Bakers, Ferry, Hockley and Robinson Creeks						
Shellfishing	Fecal Coliform	5B	7.176			2002	2014
	Fecal Coliform	5B	0.042			2008	2020
F26E-27-SF	Aberdeen and Carter Creeks						
Shellfishing	Fecal Coliform	5B	0.041			2006	2018
	Fecal Coliform	5B	0.106			2008	2020
F26L-01-DO	Waller Mill Reservoir						
Aquatic Life	Oxygen, Dissolved	5A		287.70		2006	2018
F26R-01-BAC	Carter Creek						
Recreation	Fecal Coliform	5A			2.30	2004	2016
F26R-01-BEN	Carter Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.30	2004	2016
F26R-02-BEN	Unnamed Tributary to Bland Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.21	2008	2020
F27E-05-BAC	King Creek						
Recreation	Enterococcus	5A	0.415			1998	2010

AR0012356

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

York River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
F27E-12-SF	Felgates and King Creeks						
Shellfishing	Fecal Coliform	5B	0.596			1998	2010
F27E-14-SF	Perrin River - Upper						
Shellfishing	Fecal Coliform	5B	0.082			1998	2010
MPNTF-BNUT-BAY	Mattaponi River						
Aquatic Life	Nutrient/Eutrophication Biological Indicators	5A	3.257			1998	2010
PMKOH-DO-BAY	Pamunkey River						
Aquatic Life	Oxygen, Dissolved	5A	5.284			1998	2010
	Oxygen, Dissolved	5A	2.146			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	5.284			1998	2010
	Oxygen, Dissolved	5A	2.146			2006	2010
PMKTF-BNUT-BAY	Pamunkey River						
Aquatic Life	Nutrient/Eutrophication Biological Indicators	5A	4.914			1998	2010
YRKMH-DO-BAY	York Mesohaline						
Aquatic Life	Oxygen, Dissolved	5A	0.827			1998	2010
	Oxygen, Dissolved	5A	36.268			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	0.827			1998	2010
	Oxygen, Dissolved	5A	36.268			2006	2010
YRKMH-SAV-BAY	York Mesohaline						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	37.095			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	37.095			2006	2010
YRKPH-DO-BAY	Lower York River, Perrin River, Carter, Sarah, Felgates, King and Wormley Creeks and Unsegmented Estuaries in CBP segment YRKPH						
Aquatic Life	Oxygen, Dissolved	5A	0.456			2004	2010
	Oxygen, Dissolved	5A	26.195			2006	2010
Deep-Water Aquatic Life	Oxygen, Dissolved	5A	23.626			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	0.456			2004	2010
	Oxygen, Dissolved	5A	26.195			2006	2010
YRKPH-SAV-BAY	Lower York River, Perrin River, Carter, Sarah, Felgates, King and Wormley Creeks and Unsegmented Estuaries in CBP segment YRKPH						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	26.651			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	26.651			2006	2010

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

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

AR0012357

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

New River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
N01R-01-BAC	Big Horse Creek						
Recreation	Fecal Coliform	5A			2.99	2004	2016
N01R-02-BAC	Little Helton Creek						
Recreation	Fecal Coliform	5A			3.42	2004	2016
N02R-01-BAC	New River						
Recreation	Fecal Coliform	5A			1.50	2004	2016
	Escherichia coli	5A			5.19	2004	2016
N02R-02-HG	New River						
Fish Consumption	Mercury in Fish Tissue	5A			27.39	2006	2018
	Mercury in Fish Tissue	5A			1.50	2008	2020
N02R-03-BAC	Wilson Creek						
Recreation	Fecal Coliform	5A			8.81	2004	2016
N03R-01-BAC	Fox Creek						
Recreation	Fecal Coliform	5A			7.67	2004	2016
N04R-02-BAC	Little River						
Recreation	Fecal Coliform	5A			5.24	2004	2016
N04R-03-BAC	Peach Bottom Creek						
Recreation	Fecal Coliform	5A			2.73	2004	2016
	Escherichia coli	5A			2.73	2006	2016
N04R-07-BAC	Saddle Creek						
Recreation	Escherichia coli	5A			3.09	2006	2018
N05R-01-BAC	Elk Creek						
Recreation	Fecal Coliform	5A			10.67	2002	2010
	Escherichia coli	5A			4.31	2006	2018
	Escherichia coli	5A			19.61	2006	2010
N05R-01-BEN	Elk Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			8.94	2008	2020
N07R-01-BAC	Crooked Creek						
Recreation	Fecal Coliform	5A			20.77	2004	2016
N08R-01-BAC	New River						
Recreation	Escherichia coli	5A			0.66	2004	2016
	Fecal Coliform	5A			3.63	2004	2016
	Escherichia coli	5A			5.66	2006	2016
	Escherichia coli	5A			10.67	2006	2018
	Fecal Coliform	5A			3.26	2006	2018
N08R-03-BAC	Shorts Creek unnamed tributary						
Recreation	Fecal Coliform	5A			6.73	2004	2016
	Fecal Coliform	5A			3.74	2006	2018

AR0012358

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

New River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
N09R-01-BAC	Cripple Creek						
Recreation	Fecal Coliform	5A			14.33	2004	2016
N09R-03-BAC	Slate Spring Branch						
Recreation	Fecal Coliform	5A			5.90	2004	2016
N10R-02-BAC	Mill Creek						
Recreation	Escherichia coli	5A			12.90	2006	2018
N10R-03-BAC	Stony Fork						
Recreation	Escherichia coli	5A			6.66	2006	2018
N10R-04-BAC	Tate Run						
Recreation	Escherichia coli	5A			0.52	2006	2018
N11R-01-BAC	Reed Creek						
Recreation	Fecal Coliform	5A			1.46	2002	2014
	Escherichia coli	5A			9.75	2004	2016
	Escherichia coli	5A			26.63	2006	2018
	Escherichia coli	5A			1.46	2008	2020
N11R-02-BAC	Miller Creek						
Recreation	Escherichia coli	5A			0.42	2006	2018
N12R-01-BAC	Cove Creek						
Recreation	Escherichia coli	5A			9.10	2006	2018
N13R-01-BAC	Big Reed Island Creek						
Recreation	Escherichia coli	5A			19.16	2008	2020
N13R-01-BEN	Big Reed Island Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			19.16	2008	2020
N14R-01-BAC	Big Reed Island Creek						
Recreation	Fecal Coliform	5A			7.49	2004	2016
N14R-02-BAC	Greasy Creek						
Recreation	Escherichia coli	5A			13.12	2008	2020
N15R-01-BAC	Little Reed Island Creek						
Recreation	Escherichia coli	5A			33.94	2008	2020
N15R-01-TEMP	Little Reed Island Creek						
Aquatic Life	Temperature, water	5A			29.02	2008	2020
N18R-02-BAC	Connellys Run						
Recreation	Fecal Coliform	5A			2.75	2004	2016
N18R-03-BAC	Plum Creek						
Recreation	Fecal Coliform	5A			4.51	2004	2016
N19R-01-BAC	Little River (Upper)						
Recreation	Escherichia coli	5A			10.91	2006	2016
	Escherichia coli	5A			22.64	2006	2018

AR0012359

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

New River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
N19R-01-TEMP	Little River						
Aquatic Life	Temperature, water	5C			10.91	2002	2014
	Temperature, water	5C			22.64	2008	2014
N19R-02-BAC	Meadow Run						
Recreation	Escherichia coli	5A			3.70	2006	2018
N19R-02-BEN	Meadow Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.70	2008	2020
N19R-03-BAC	Pine Creek						
Recreation	Escherichia coli	5A			3.68	2006	2018
N19R-03-TEMP	Pine Creek						
Aquatic Life	Temperature, water	5C			3.68	2008	2020
N20R-01-TEMP	West Fork Dodd Creek						
Aquatic Life	Temperature, water	5C			1.17	2002	2014
N20R-02-TEMP	Dodd Creek						
Aquatic Life	Temperature, water	5C			6.28	2008	2020
N21R-01-BAC	Little River (Lower)						
Recreation	Fecal Coliform	5A			1.35	2002	2014
	Fecal Coliform	5A			13.81	2004	2016
	Escherichia coli	5A			3.66	2006	2016
	Fecal Coliform	5A			23.89	2006	2016
	Escherichia coli	5A		60.44		2008	2016
N21R-01-BEN	Little River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			16.99	2008	2020
N21R-02-BAC	Meadow Creek						
Recreation	Fecal Coliform	5A			4.49	2002	2014
N21R-05-BAC	Brush Creek						
Recreation	Fecal Coliform	5A			5.76	2004	2016
N21R-06-BAC	Laurel Creek						
Recreation	Fecal Coliform	5A			3.26	2004	2016
N21R-07-TEMP	Big Indian Creek						
Aquatic Life	Temperature, water	5C			7.56	2004	2016
N22R-02-BAC	Stroubles Creek						
Recreation	Escherichia coli	5A			4.98	2006	2014
N22R-04-TEMP	Toms Creek						
Aquatic Life	Temperature, water	5C			5.23	2008	2020
N22R-05-BEN	Slate Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			6.55	2008	2020

AR0012360

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

New River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
N22R-06-BEN	Unnamed Tributaries XEJ and XEH to Slate Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.64	2008	2020
N24R-01-DDE	New River						
Fish Consumption	DDE	5A			9.61	2004	2016
N24R-01-DDT	New River						
Fish Consumption	DDT	5A			9.61	2004	2016
N24R-01-HEPOXID	New River						
Fish Consumption	Heptachlor epoxide	5A			9.61	2006	2018
N25R-01-BAC	Walker Creek						
Recreation	Escherichia coli	5A			68.05	2006	2018
	Fecal Coliform	5A			33.13	2006	2018
N26R-01-BAC	Kimberling Creek						
Recreation	Fecal Coliform	5A			9.18	2004	2014
N27R-01-BAC	Little Walker Creek						
Recreation	Escherichia coli	5A			17.16	2006	2016
N29R-01-PCB	New River, Claytor Lake, Peak Creek and Reed Creek						
Fish Consumption	PCB in Fish Tissue	5A		294.60	55.52	2002	2014
	PCB in Fish Tissue	5A		3,992.16	32.41	2006	2018
	PCB in Fish Tissue	5A			2.22	2006	2014
N30R-01-BAC	Wolf Creek						
Recreation	Fecal Coliform	5A			8.98	2002	2014
	Escherichia coli	5A			23.24	2006	2014
	Escherichia coli	5A			3.63	2006	2018
N31R-01-TEMP	Hunting Camp Creek						
Aquatic Life	Temperature, water	5A			8.45	2006	2006
N32R-01-BAC	Wolf Creek						
Recreation	Escherichia coli	5A			5.51	2006	2016
	Escherichia coli	5A			16.42	2006	2018
N33R-01-BAC	Laurel Creek						
Recreation	Fecal Coliform	5A			1.60	2002	2014
	Escherichia coli	5A			1.60	2006	2014
N34R-01-BAC	Rich Creek						
Recreation	Escherichia coli	5A			2.75	2008	2014
N35R-01-BAC	Adair Run						
Recreation	Fecal Coliform	5A			0.38	2004	2016
N36R-01-CDANE	Bluestone River						
Aquatic Life	Chlordane	5A			0.59	2004	2016

AR0012361

2008 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

New River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
N36R-01-PCB	Bluestone River						
Fish Consumption	PCB in Fish Tissue	5A			13.20	2006	2008
	Polychlorinated biphenyls	5A			2.94	2006	2018

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

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

AR0012362