



# 2016 Impaired Waters - 303(d) List

## Supplemental List of New Impairments in 2016\*

### Potomac and Shenandoah River Basins

<b>Cause Group Code</b> Impaired Use	<b>Water Name</b> Cause	<b>Cause Category</b>	<b>Estuary (Sq. Miles)</b>	<b>Reservoir (Acres)</b>	<b>River (Miles)</b>	<b>Initial List Date</b>	<b>TMDL Dev. Priority</b>
<b>A08R-05-BEN</b> Aquatic Life	<b>Dry Mill Branch</b> Benthic-Macroinvertebrate Bioassessments	5A			2.97	2016	L
<b>A09R-03-BEN</b> Aquatic Life	<b>Horsepen Run</b> Benthic-Macroinvertebrate Bioassessments	5A			8.17	2016	M
<b>A09R-05-BEN</b> Aquatic Life	<b>Beaverdam Run</b> Benthic-Macroinvertebrate Bioassessments	5A			3.85	2016	L
<b>A09R-07-BAC</b> Recreation	<b>Horsepen Run</b> Escherichia coli	5A			8.17	2016	L
<b>A15R-01-CHLR</b> Aquatic Life Wildlife	<b>Accotink Creek</b> Chloride Chloride	5A 5A			5.22 5.22	2016 2016	L L
<b>A16R-02-BAC</b> Recreation	<b>Pohick Creek</b> Escherichia coli	5A			2.61	2016	M
<b>A16R-03-BAC</b> Recreation	<b>South Run</b> Escherichia coli	5A			4.16	2016	L
<b>A16R-04-BAC</b> Recreation	<b>Middle Run</b> Escherichia coli	5A			2.85	2016	L
<b>A21R-02-BEN</b> Aquatic Life	<b>Bull Run</b> Benthic-Macroinvertebrate Bioassessments	5A			4.66	2016	L
<b>A22R-03-BEN</b> Aquatic Life	<b>Cub Run</b> Benthic-Macroinvertebrate Bioassessments	5A			6.34	2016	M
<b>A25R-05-BAC</b> Recreation	<b>Unnamed Tributary to Occoquan River</b> Escherichia coli	5A			1.11	2016	L
<b>A29R-01-BEN</b> Aquatic Life	<b>Unnamed tributary to Long Branch</b> Benthic-Macroinvertebrate Bioassessments	5A			2.30	2016	L
<b>A32E-09-EBEN</b> Aquatic Life	<b>Lower Machodoc Creek</b> Estuarine Bioassessments	5A	0.687			2016	L
<b>B04R-02-BAC</b> Recreation	<b>Sleepy Creek</b> Escherichia coli	5A			7.72	2016	L
<b>B05R-03-BAC</b> Recreation	<b>Isaacs Creek</b> Escherichia coli	5A			2.84	2016	L
<b>B40R-02-BAC</b> Recreation	<b>Flint Run</b> Escherichia coli	5A			12.58	2016	H
<b>B49R-01-BEN</b> Aquatic Life	<b>Stony Creek</b> Benthic-Macroinvertebrate Bioassessments	5A			3.43	2016	L
<b>B52R-01-PH</b> Aquatic Life	<b>Cedar Creek</b> pH	5A			3.45	2016	M



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<b>B52R-06-BAC</b>	<b>Gravel Springs</b>						
Recreation	Escherichia coli	5A			3.29	2016	L
<b>B56R-02-BEN</b>	<b>Stephens Run</b>						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			0.99	2016	L

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### James River Basin

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Priority
<b>G01R-23-PH</b> Aquatic Life	<b>XFU - Pocoshock Creek, UT</b> pH	5A			3.83	2016	L
<b>G04L-01-BAC</b> Recreation	<b>Sunken Meadow Pond</b> Escherichia coli	5A		172.85		2016	L
<b>G05R-14-BEN</b> Aquatic Life	<b>Jordans Branch</b> Benthic-Macroinvertebrate Bioassessments	5A			2.19	2016	L
<b>G05R-15-DO</b> Aquatic Life	<b>XCJ - North Run, UT</b> Oxygen, Dissolved	5A			0.42	2016	L
<b>G05R-15-PH</b> Aquatic Life	<b>XCJ - North Run, UT</b> pH	5A			0.42	2016	L
<b>G05R-16-BEN</b> Aquatic Life	<b>Upham Brook</b> Benthic-Macroinvertebrate Bioassessments	5A			12.15	2016	L
<b>G09R-08-DO</b> Aquatic Life	<b>XBY - Beaverdam Creek, UT</b> Oxygen, Dissolved	5A			1.08	2016	L
<b>G10E-05-EBEN</b> Aquatic Life	<b>James River (Oligohaline)</b> Estuarine Bioassessments	5A	1.129			2016	L
<b>G11L-06-DO</b> Aquatic Life	<b>Scotts Factory Pond</b> Oxygen, Dissolved	5A		14.83		2016	L
<b>G14L-01-PH</b> Aquatic Life	<b>Lake Burnt Mills</b> pH	5A		637.99		2016	L
<b>G15E-03-03-EBEN</b> Aquatic Life	<b>Scott Creek</b> Estuarine Bioassessments	5A	0.194			2016	L
<b>H01R-03-BAC</b> Recreation	<b>James River</b> Escherichia coli	5A			5.36	2016	L
<b>H05R-10-BAC</b> Recreation	<b>Archer Creek</b> Escherichia coli	5A			7.46	2016	L
<b>H05R-11-BAC</b> Recreation	<b>Allens Creek</b> Escherichia coli	5A			7.18	2016	L
<b>H13L-01-DO</b> Aquatic Life	<b>Lake Nelson</b> Oxygen, Dissolved	5A		40.62		2016	L
<b>H14R-01-BEN</b> Aquatic Life	<b>Mallorys Creek</b> Benthic-Macroinvertebrate Bioassessments	5A			8.75	2016	L
<b>H16R-05-BAC</b> Recreation	<b>Rockfish River UT</b> Escherichia coli	5A			2.69	2016	L
<b>H21R-02-BEN</b> Aquatic Life	<b>Walton Fork</b> Benthic-Macroinvertebrate Bioassessments	5A			2.99	2016	L



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<b>H23L-01-CHLA</b> Aquatic Life	Lake Albemarle Chlorophyll-a	5A		37.01		2016	L
<b>H23L-01-DO</b> Aquatic Life	Lake Albemarle Oxygen, Dissolved	5A		37.01		2016	L
<b>H26R-09-BEN</b> Aquatic Life	Little Ivy Creek X-trib Benthic-Macroinvertebrate Bioassessments	5A			4.44	2016	L
<b>H27R-08-BEN</b> Aquatic Life	Preddy Creek Benthic-Macroinvertebrate Bioassessments	5A			7.48	2016	L
<b>H27R-09-BEN</b> Aquatic Life	North Fork Rivanna River Benthic-Macroinvertebrate Bioassessments	5A			7.33	2016	L
<b>H27R-10-BEN</b> Aquatic Life	Quarter Creek Benthic-Macroinvertebrate Bioassessments	5A			1.58	2016	L
<b>H31R-05-BAC</b> Recreation	Rivanna River Escherichia coli	5A			8.38	2016	L
<b>H34R-04-BEN</b> Aquatic Life	Phils Creek Benthic-Macroinvertebrate Bioassessments	5A			6.69	2016	L
<b>H36R-03-BEN</b> Aquatic Life	Buffalo Creek Benthic-Macroinvertebrate Bioassessments	5A			7.10	2016	L
<b>H36R-06-BEN</b> Aquatic Life	Bigger Creek Benthic-Macroinvertebrate Bioassessments	5A			4.43	2016	L
<b>H39R-27-BEN</b> Aquatic Life	Deep Run Benthic-Macroinvertebrate Bioassessments	5A			4.16	2016	L
<b>H39R-28-BEN</b> Aquatic Life	Stony Run Benthic-Macroinvertebrate Bioassessments	5A			1.35	2016	L
<b>H39R-29-DO</b> Aquatic Life	XBH - Reedy Creek, UT Oxygen, Dissolved	5A			0.11	2016	L
<b>I12R-01-BAC</b> Recreation	Cowpasture River Escherichia coli	5A			8.30	2016	L
<b>I22R-05-BAC</b> Recreation	Craig Creek Escherichia coli	5A			10.70	2016	L
	Escherichia coli	5A			16.86	2016	L
<b>I27R-01-BAC</b> Recreation	James River Escherichia coli	5A			9.52	2016	L
<b>I29R-01-TEMP</b> Aquatic Life	Ramseys Draft Temperature, water	5A			10.29	2016	L
<b>I30R-03-BAC</b> Recreation	Hamilton Branch Escherichia coli	5A			6.28	2016	L



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<b>I35R-02-BEN</b>	<b>Mill Creek</b>						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			9.13	2016	L
<b>J01R-02-BEN</b>	<b>Horsepen Creek</b>						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			4.00	2016	L

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

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### Rappahannock River Basin

Cause Group Code	Water Name	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Priority
<b>E04R-01-TEMP</b>	<b>Hazel River</b>						
Aquatic Life	Temperature, water	5A			3.63	2016	L
<b>E09R-02-PCB</b>	<b>Mountain Run</b>						
Fish Consumption	PCB in Fish Tissue	5A			4.63	2016	L
<b>E10R-04-BAC</b>	<b>Sumerduck Run</b>						
Recreation	Escherichia coli	5A			1.85	2016	L
<b>E20R-03-BEN</b>	<b>Little Falls Run</b>						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			4.92	2016	L
<b>E20R-05-PH</b>	<b>Unnamed tributary to Massaponax Creek</b>						
Aquatic Life	pH	5A			1.27	2016	L

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### Roanoke and Yadkin River Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Priority
<b>L09R-02-BEN</b> Aquatic Life	<b>Maggodee Creek</b> Benthic-Macroinvertebrate Bioassessments	5A			5.42	2016	L
<b>L14R-02-BEN</b> Aquatic Life	<b>Storey Creek</b> Benthic-Macroinvertebrate Bioassessments	5A			9.82	2016	L
<b>L38L-01-DO</b> Aquatic Life	<b>Conner Lake</b> Oxygen, Dissolved	5A		101.92		2016	L
<b>L40R-01-BEN</b> Aquatic Life	<b>Berles Creek</b> Benthic-Macroinvertebrate Bioassessments	5A			2.28	2016	L
<b>L53R-01-TEMP</b> Aquatic Life	<b>Smith River</b> Temperature, water	5A			6.50	2016	L
<b>L53R-05-BEN</b> Aquatic Life	<b>Beaver Creek</b> Benthic-Macroinvertebrate Bioassessments	5A			5.30	2016	L
<b>L53R-06-BEN</b> Aquatic Life	<b>Daniels Creek</b> Benthic-Macroinvertebrate Bioassessments	5A			3.99	2016	L
<b>L53R-07-BEN</b> Aquatic Life	<b>Jones Creek</b> Benthic-Macroinvertebrate Bioassessments	5A			2.36	2016	L
<b>L62R-10-BEN</b> Aquatic Life	<b>Sandy Creek, Unnamed Tributary</b> Benthic-Macroinvertebrate Bioassessments	5A			2.29	2016	L
<b>L63R-01-BEN</b> Aquatic Life	<b>Birch Creek</b> Benthic-Macroinvertebrate Bioassessments	5A			20.15	2016	L
<b>L66L-02-PH</b> Aquatic Life	<b>Roaring Fork Reservoir</b> pH	5A		19.58		2016	L
<b>L67R-04-BEN</b> Aquatic Life	<b>Bradley Creek</b> Benthic-Macroinvertebrate Bioassessments	5A			6.46	2016	L
<b>L68R-01-BEN</b> Aquatic Life	<b>Whitehorn Creek</b> Benthic-Macroinvertebrate Bioassessments	5A			15.10	2016	L
<b>L70R-03-BEN</b> Aquatic Life	<b>Bar Branch</b> Benthic-Macroinvertebrate Bioassessments	5A			4.03	2016	L
<b>L71R-05-BEN</b> Aquatic Life	<b>Polecat Creek</b> Benthic-Macroinvertebrate Bioassessments	5A			9.70	2016	L
<b>L73R-03-DO</b> Aquatic Life	<b>Peter Creek</b> Oxygen, Dissolved	5A			6.61	2016	L
<b>L75R-03-BEN</b> Aquatic Life	<b>Beech Creek</b> Benthic-Macroinvertebrate Bioassessments	5A			4.69	2016	L
<b>L78R-03-BEN</b> Aquatic Life	<b>Allen Creek</b> Benthic-Macroinvertebrate Bioassessments	5A			15.27	2016	L



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### Roanoke and Yadkin River Basins

Cause Group Code	Water Name	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Priority
Impaired Use	Cause						
<b>L79L-02-CHLA</b>	<b>Lake Gordon</b>						
Aquatic Life	Chlorophyll-a	5A		107.48		2016	L
<b>L79R-03-BAC</b>	<b>Miles Creek</b>						
Recreation	Escherichia coli	5A			5.97	2016	L
<b>L81R-03-BAC</b>	<b>Little Poplar Creek</b>						
Recreation	Escherichia coli	5A			6.51	2016	L
<b>L82R-01-BAC</b>	<b>Pea Hill Creek</b>						
Recreation	Escherichia coli	5A			4.86	2016	L
<b>M02R-01-TEMP</b>	<b>Lovills Creek and Stewarts Creek</b>						
Aquatic Life	Temperature, water	5A			2.05	2016	M

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### Chowan River and Dismal Swamp Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Priority
<b>K08L-02-CHLA</b> Aquatic Life	Brunswick Lake Chlorophyll-a	5A		160.33		2016	L
<b>K08R-04-BAC</b> Recreation	UT to Dukes Branch Escherichia coli	5A			1.71	2016	L
<b>K08R-05-BAC</b> Recreation	Dukes Branch Escherichia coli	5A			2.41	2016	L
<b>K09R-01-BAC</b> Recreation	Meherrin River Escherichia coli	5A			26.75	2016	L
<b>K13R-04-BAC</b> Recreation	Flat Swamp Escherichia coli	5A			8.48	2016	L
<b>K16R-06-BAC</b> Recreation	Tommeheton Creek Escherichia coli	5A			7.84	2016	L
<b>K17R-03-BAC</b> Recreation	Waqua Creek Escherichia coli	5A			5.59	2016	L
<b>K17R-04-BAC</b> Recreation	Great Creek Escherichia coli	5A			5.45	2016	L
<b>K17R-05-BAC</b> Recreation	Reedy Creek Escherichia coli	5A			6.02	2016	L
<b>K17R-06-BAC</b> Recreation	Turkey Egg Creek Escherichia coli	5A			5.64	2016	L
<b>K17R-07-BAC</b> Recreation	Waqua Creek Escherichia coli	5A			1.09	2016	L
<b>K19R-11-BAC</b> Recreation	Moores Swamp Escherichia coli	5A			5.08	2016	L
<b>K21R-06-BAC</b> Recreation	Stony Creek Escherichia coli	5A			2.60	2016	L
<b>K22R-04-BAC</b> Recreation	Sappony Creek Escherichia coli	5A			4.35	2016	L
<b>K24R-04-BAC</b> Recreation	Nottoway River Escherichia coli	5A			15.61	2016	L
<b>K24R-05-BAC</b> Recreation	Thweatt Branch Tributaries Escherichia coli	5A			7.26	2016	L
<b>K36R-07-BAC</b> Recreation	Blackwater River - Upper Escherichia coli	5A			2.47	2016	L
<b>K38R-06-BAC</b> Recreation	Somerton Creek Escherichia coli	5A			9.38	2016	L





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### Chowan River and Dismal Swamp Basins

Cause Group Code	Water Name	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Priority
Impaired Use	Cause						
<b>K40R-04-BAC</b>	<b>Northwest River - Lower (PWS)</b>						
Recreation	Escherichia coli	5A			1.70	2016	L

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### Tennessee and Big Sandy River Basins

Cause Group Code	Water Name	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Priority
Impaired Use	Cause						
<b>O01R-01-BAC</b>	<b>South Fork Holston River and Tributaries</b>						
Recreation	Escherichia coli	5A			3.68	2016	H
<b>P06R-01-BEN</b>	<b>Big Cedar Creek</b>						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			4.20	2016	L
<b>P17R-04-BEN</b>	<b>Unnamed tributary to Callahan Creek</b>						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			0.58	2016	L
<b>P18R-01-PH</b>	<b>South Fork Powell River</b>						
Aquatic Life	pH	5A			3.83	2016	L
<b>P20R-01-TEMP</b>	<b>North Fork Powell River</b>						
Aquatic Life	Temperature, water	5A			7.67	2016	M
<b>Q09R-01-BAC</b>	<b>Russell Fork</b>						
Recreation	Escherichia coli	5A			4.12	2016	H, 2yr
<b>Q13R-10-BAC</b>	<b>South Fork Pound River</b>						
Recreation	Escherichia coli	5A			3.44	2016	L

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### Chesapeake Bay/Atlantic/Small Coastal Basins

<b>Cause Group Code</b>	<b>Water Name</b>	<b>Cause Category</b>	<b>Estuary (Sq. Miles)</b>	<b>Reservoir (Acres)</b>	<b>River (Miles)</b>	<b>Initial List Date</b>	<b>TMDL Dev. Priority</b>
Impaired Use	Cause						
<b>A023-01-BAC</b>	<b>Atlantic Ocean Beaches - Croatan</b>						
Recreation	Enterococcus	5A	0.410			2016	L
<b>C03E-17-BAC</b>	<b>Piankatank River</b>						
Recreation	Escherichia coli	5A	1.167			2016	L
<b>C07E-43-BAC</b>	<b>Buckroe Beaches</b>						
Recreation	Enterococcus	5A	0.224			2016	L
<b>C08E-15-BAC</b>	<b>13th View Beach</b>						
Recreation	Enterococcus	5A	0.353			2016	L
<b>C08E-16-BAC</b>	<b>Chicks Beach</b>						
Recreation	Enterococcus	5A	0.433			2016	L
<b>D03R-06-BEN</b>	<b>North Fork</b>						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			3.13	2016	L
<b>D03R-07-BEN</b>	<b>Custis Creek</b>						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			1.22	2016	L

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### 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. Priority
<b>F03R-02-BEN</b> Aquatic Life	Taylor's Creek Benthic-Macroinvertebrate Bioassessments	5A			16.54	2016	L
<b>F06R-08-BAC</b> Recreation	Duckinghoe Creek Escherichia coli	5A			6.98	2016	L
<b>F06R-09-BAC</b> Recreation	South Fork Hickory Creek Escherichia coli	5A			4.63	2016	L
<b>F08R-01-TEMP</b> Aquatic Life	Contrary Creek Temperature, water	5A			5.52	2016	L
<b>F15R-02-PH</b> Aquatic Life	Unnamed tributary to Cool Spring Lake pH	5A			1.29	2016	L
<b>F21R-05-BAC</b> Recreation	Herring Creek Escherichia coli	5A			5.09	2016	L
<b>F21R-06-BAC</b> Recreation	Mattaponi River Escherichia coli	5A			8.00	2016	L
<b>F23E-02-BAC</b> Recreation	Mattaponi River Escherichia coli	5A	1.756			2016	L
<b>F23R-12-BAC</b> Recreation	XDN - Garnetts Creek, UT Escherichia coli	5A			2.53	2016	L
<b>F24R-03-BAC</b> Recreation	Courthouse Creek Escherichia coli	5A			0.72	2016	L
<b>F27E-06-BAC</b> Recreation	York River - Yorktown Beach Enterococcus	5A	0.024			2016	L
<b>F27E-07-BAC</b> Recreation	York River - Gloucester Point Beach Enterococcus	5A	0.018			2016	L

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

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



# 2016 Impaired Waters - 303(d) List

## Supplemental List of New Impairments in 2016\*

### 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. Priority
<b>N04R-03-BAC</b> Recreation	<b>Peach Bottom Creek</b> Escherichia coli	5A			5.34	2016	M
<b>N08R-01-BAC</b> Recreation	<b>New River</b> Escherichia coli	5A			13.08	2016	M
<b>N09R-03-BEN</b> Aquatic Life	<b>Dean Branch</b> Benthic-Macroinvertebrate Bioassessments	5A			1.92	2016	L
<b>N22R-05-BAC</b> Recreation	<b>New River</b> Escherichia coli	5A			9.78	2016	L
<b>N26R-01-BAC</b> Recreation	<b>East Wilderness Creek, Nobusiness Creek and Kimberling Creek</b> Escherichia coli	5A			2.53	2016	H
<b>N29R-01-PCB</b> Fish Consumption	<b>New River, Reed Creek, Claytor Lake, Peak Creek, Stony Creek, Walker Creek, And Unknown Tributary XAG.</b> PCB in Water Column PCB in Fish Tissue PCB in Water Column	5A 5A 5A			3.49 5.85 3.20	2016 2016 2016	H H H

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