



2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L19R-01-PCB - Roanoke (Staunton) River, Cub Creek**

Location:	Roanoke (Staunton) River from Leesville Dam to the backwaters of Kerr Reservoir, and Cub Creek from its mouth to the crossing of Rough Creek Road near Rough Creek.
City/County	Campbell Co., Charlotte Co., Halifax Co., Pittsylvania Co.
Use(s):	Fish Consumption, Public Water Supply
Cause(s) / VA Category:	PCB in Fish Tissue / 4A, PCB in Water Column / 4A, PCB in Water Column / 4A

VDH Fish Advisory - PCBs: Issued 7/24/98, revised 8/31/07 & Mercury: Issued 8/31/07

Roanoke (Staunton) River from below Leesville Dam downstream ~ 98 miles to the confluence of Dan River including its tributary Cub Creek up to Rough Creek Road (State Route 695) near Rough Creek.

VDH recommends the following precautions to reduce any potential harmful effects from eating contaminated fish:

Eat smaller, younger fish (within the legal limits). Younger fish are less likely to contain harmful levels of contaminants than larger, older fish.

Eat fewer or smaller servings of fish.

Try to eat different species of fish from various sources (i.e., different creeks, rivers and streams).

Cleaning or cooking contaminated fish does not eliminate or reduce mercury. However, levels of PCBs in fish can be reduced by taking the following precautions:

Remove the skin, the fat from the belly and top and internal organs before cooking the fish.

Bake, broil or grill on an open rack to allow fats to drain away from the meat.

Discard the fats that cook out of the fish.

Avoid or reduce the amount of fish drippings or broth that is used to flavor the meal.

Eat less deep-fried fish, since frying seals contaminants into the fatty tissue.

For more information about fish consumption advisories, including frequently asked questions go to www.vdh.virginia.gov.

PCB Fish Tissue Sampling Results

Near Route 29 - Altavista

4AROA129.55 (2006 FT/Sediment) - 1 species exceeded VDH upper level of concern

Near Long Island

4AROA108.09 (2006 FT/Sediment) - 1 species exceeded VDH upper level of concern

Near Brookneal

4AROA097.07 (2006 FT/Sediment) - 1 species exceeded VDH upper level of concern

Near Route 746 - Randolph

4AROA067.91 (2006 FT/Sediment) - 2 species exceed VDH upper level of concern

Near Route 360 - Clover

4AROA059.12 (2006 FT/Sediment) - 2 species exceed VDH upper level of concern

Near Clarksville

4AROA036.59 (2006 FT/Sediment) - 2 species exceeded VDH lower level of concern

Kerr Reservoir near Ivy Hill

4AROA028.04 (2006 FT/Sediment) - 2 species exceed VDH lower level of concern

Lake Gaston near State Line

4AROA004.54 (2006 FT/Sediment) - 1 species exceeded VDH lower level of concern

Cub Creek near Route 40 Gaging Station

4ACUB010.96 (2006 FT/Sediment) - 1 species exceeded VDH upper level of concern

The Roanoke (Staunton) River is impaired for the Public Water Supply Use due to violations of the tPCB in Water human health criteria. The PWS impairment extends from the confluence of the Big Otter River to the backwaters of Kerr Reservoir. Violation information is provided below.

Station IDs:

2007-2008 PCB TMDL Monitoring

4AROA124.59

tPCB in Water Violations - 2909 pg/L & 4466 pg/L
 4AROA097.76
 tPCB in Water Violations - 1115 pg/L & 4304 pg/L
 4AROA090.50
 tPCB in Water Violations - 1192 pg/L & 1625 pg/L
 4AROA067.91
 tPCB in Water Violations - 1336 pg/L & 1307 pg/L
 4AROA059.12
 tPCB in Water Violations - 1627 pg/L & 1359 pg/L

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L30R_ROA01A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from the Falling River mouth at the Campbell/Charlotte/Halifax County line downstream to the confluence of Childrey Creek.	4A	PCB in Fish Tissue	2002	2010	2.65
VAC-L30R_ROA02A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from the Brookneal Staunton River POTW downstream to the confluence of Falling River at the Campbell/Charlotte/Halifax County Line.	4A	PCB in Fish Tissue	2002	2010	2.26
VAC-L30R_ROA03A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from Dan River, Inc. downstream to the Brookneal Staunton River POTW.	4A	PCB in Fish Tissue	2002	2010	0.90
VAC-L30R_ROA04A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from Buffalo Creek confluence downstream to Dan River, Inc.	4A	PCB in Fish Tissue	2002	2010	4.94
VAC-L30R_ROA06A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from the Big Otter River mouth downstream to the confluence of Buffalo Creek.	4A	PCB in Fish Tissue	2002	2010	22.20
VAC-L36R_ROA01A98	Roanoke (Staunton) River	Childrey Creek to Cub Creek.	4A	PCB in Fish Tissue	2002	2010	14.05
VAC-L37R_CUB01B08	Cub Creek	The Rough Creek Road Crossing near Rough Creek to the confluence with Terrys Creek.	4A	PCB in Fish Tissue	2008	2020	5.72
VAC-L37R_CUB02A06	Cub Creek	From Terrys Creek to the mouth at the Roanoke (Staunton) River	4A	PCB in Fish Tissue	2008	2020	8.53
VAC-L38R_ROA02A98	Roanoke (Staunton) River	Cub Creek to Roanoke Creek.	4A	PCB in Fish Tissue	2002	2010	12.54
VAC-L40R_ROA03A98	Roanoke (Staunton) River	Roanoke Creek to the pipeline crossing approximately 5.4 miles downstream of the Route 360 bridge.	4A	PCB in Fish Tissue	1998	2010	10.18
VAC-L40R_ROA04A98	Roanoke (Staunton) River	The pipeline crossing about 5.4 miles downstream of the Route 360 bridge to Kerr Reservoir.	4A	PCB in Fish Tissue	1998	2010	4.41

Roanoke (Staunton) River, Cub Creek

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: **VAC-L30R-01**

PCB in Fish Tissue / 4A
 Total impaired size by water type:

88.38

Fish Consumption

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L30R_ROA01A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from the Falling River mouth at the Campbell/Charlotte/Halifax County line downstream to the confluence of Childrey Creek.	4A	PCB in Water Column	2010	2022	5.30

VAC-L30R_ROA02A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from the Brookneal Staunton River POTW downstream to the confluence of Falling River at the Campbell/Charlotte/Halifax County Line.	4A	PCB in Water Column	2010	2022	4.52
VAC-L30R_ROA03A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from Dan River, Inc. downstream to the Brookneal Staunton River POTW.	4A	PCB in Water Column	2010	2022	1.80
VAC-L30R_ROA04A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from Buffalo Creek confluence downstream to Dan River, Inc.	4A	PCB in Water Column	2010	2022	9.88
VAC-L30R_ROA06A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from the Big Otter River mouth downstream to the confluence of Buffalo Creek.	4A	PCB in Water Column	2010	2022	44.40
VAC-L36R_ROA01A98	Roanoke (Staunton) River	Childrey Creek to Cub Creek.	4A	PCB in Water Column	2010	2022	28.10
VAC-L38R_ROA02A98	Roanoke (Staunton) River	Cub Creek to Roanoke Creek.	4A	PCB in Water Column	2010	2022	25.08
VAC-L40R_ROA03A98	Roanoke (Staunton) River	Roanoke Creek to the pipeline crossing approximately 5.4 miles downstream of the Route 360 bridge.	4A	PCB in Water Column	2010	2022	20.36
VAC-L40R_ROA04A98	Roanoke (Staunton) River	The pipeline crossing about 5.4 miles downstream of the Route 360 bridge to Kerr Reservoir.	4A	PCB in Water Column	2010	2022	8.82

Impaired area ID: VAC-L30R-01

Estuary **Reservoir** **River**
(sq. miles) **(acres)** **(miles)**

Fish Consumption

PCB in Water Column / 4A
Total impaired size by water type:

74.13

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L30R_ROA01A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from the Falling River mouth at the Campbell/Charlotte/Halifax County line downstream to the confluence of Childrey Creek.	4A	PCB in Water Column	2010	2022	5.30
VAC-L30R_ROA02A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from the Brookneal Staunton River POTW downstream to the confluence of Falling River at the Campbell/Charlotte/Halifax County Line.	4A	PCB in Water Column	2010	2022	4.52
VAC-L30R_ROA03A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from Dan River, Inc. downstream to the Brookneal Staunton River POTW.	4A	PCB in Water Column	2010	2022	1.80
VAC-L30R_ROA04A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from Buffalo Creek confluence downstream to Dan River, Inc.	4A	PCB in Water Column	2010	2022	9.88
VAC-L30R_ROA06A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from the Big Otter River mouth downstream to the confluence of Buffalo Creek.	4A	PCB in Water Column	2010	2022	44.40
VAC-L36R_ROA01A98	Roanoke (Staunton) River	Childrey Creek to Cub Creek.	4A	PCB in Water Column	2010	2022	28.10
VAC-L38R_ROA02A98	Roanoke (Staunton) River	Cub Creek to Roanoke Creek.	4A	PCB in Water Column	2010	2022	25.08
VAC-L40R_ROA03A98	Roanoke (Staunton) River	Roanoke Creek to the pipeline crossing approximately 5.4 miles downstream of the Route 360 bridge.	4A	PCB in Water Column	2010	2022	20.36
VAC-L40R_ROA04A98	Roanoke (Staunton) River	The pipeline crossing about 5.4 miles downstream of the Route 360 bridge to Kerr Reservoir.	4A	PCB in Water Column	2010	2022	8.82

Impaired area ID: VAC-L30R-01**Public Water Supply**

	Estuary (sq. miles)	Reservoir (acres)	River (miles)
PCB in Water Column / 4A			
Total impaired size by water type:			74.13

Sources:

- Contaminated Sediments
- Municipal Point Source Discharges
- Non-Point Source
- Unspecified Urban Stormwater

* Narrative descriptions, location and city/county describe the entire extent of the impairment. Sizes may not represent the total size of the impairment.



2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L30R-01-BAC - Buffalo Creek**

Location:	Buffalo Creek mainstem from its mouth on the Roanoke (Staunton) River upstream to its headwaters.
City/County	Halifax Co., Pittsylvania Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

NESTED: 24387, 6/20/2006

Station ID:

4ABHA002.47 (Ambient)

E. coli - 5/14 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L30R_BHA01A02	Buffalo Creek	Buffalo Creek mainstem from its mouth on the Roanoke (Staunton) River upstream to its headwaters.	4A	Escherichia coli	2008	2018	9.03

Buffalo Creek

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01

Escherichia coli / 4A

Total impaired size by water type:

9.03

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L30R-02-BAC - Childrey Creek**

Location:	Childrey Creek mainstem from its headwaters downstream to the Childrey Creek mouth on the Roanoke (Staunton) River.
City/County	Halifax Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

NESTED: 24387, 6/20/2006

Station IDs:

4ACRE002.52 (Ambient)

E. coli - 2/12 Violation Rate

4ACRE008.75 (Ambient)

E. coli - 1/8 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L30R_CRE01A00	Childrey Creek	Childrey Creek mainstem from its headwaters downstream to the Childrey Creek mouth on the Roanoke (Staunton) River.	4A	Escherichia coli	2006	2018	13.40

Childrey Creek

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01

Escherichia coli / 4A

Total impaired size by water type:

13.4

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L30R-03-BAC - Straightstone Creek**

Location:	Straightstone Creek mainstem from its mouth on the Roanoke (Staunton) River upstream to Little Straightstone Creek
City/County	Pittsylvania Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

NESTED: 24387, 6/20/2006

Station ID:

4ASSC002.98 (TMDL Monitoring)

E. coli - 6/12 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L30R_SSC01A02	Straightstone Creek	Straightstone Creek mainstem from its mouth on the Roanoke (Staunton) River upstream to Little Straightstone Creek	4A	Escherichia coli	2006	2018	8.46

Straightstone Creek

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01

Escherichia coli / 4A

Total impaired size by water type:

8.46

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L30R-04-BAC - Whipping Creek**

Location:	Whipping Creek mainstem from its mouth on the Roanoke (Staunton) River upstream to its headwaters.
City/County	Campbell Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

NESTED: 24387, 6/20/2006

Station ID:

4AWPP002.53 (TMDL, Ambient)

E. coli - 3/24 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L30R_WPP01A02	Whipping Creek	Whipping Creek mainstem from its mouth on the Roanoke (Staunton) River upstream to its headwaters.	4A	Escherichia coli	2006	2018	13.55

Whipping Creek

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01

Escherichia coli / 4A

Total impaired size by water type:

13.55

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L30R-05-BAC - Little Straightstone Creek**

Location:	Little Straightstone Creek from its headwaters to the mouth
City/County	Pittsylvania Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

NESTED: 24387, 6/20/2006

Station ID:

4ALHT000.70 (TMDL Monitoring)

E. coli - 5/11 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L30R_LHT01A06	Little Straightstone Creek	Little Straightstone Creek from its headwaters to the mouth	4A	Escherichia coli	2006	2018	7.36

Little Straightstone Creek

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01

Escherichia coli / 4A

Total impaired size by water type:

7.36

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L36R-01-BAC - Turnip Creek**

Location:	Turnip Creek from its headwaters to the mouth.
City/County	Charlotte Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

Station IDs:

4ATIP002.55 (Ambient, TMDL)
 E. coli - 4/12 Violation Rate
 4ATIP008.76 (TMDL Monitoring)
 E. coli - 6/12 Violation Rate
 4ATIP013.21 (TMDL Monitoring)
 E. coli - 4/12 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L36R_TIP01A00	Turnip Creek	Buck Branch to Roanoke River	4A	Escherichia coli	2006	2010	2.68
VAC-L36R_TIP02A06	Turnip Creek	From its headwaters to the confluence with Buck Branch	4A	Escherichia coli	2006	2018	15.95

Turnip Creek

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01

Escherichia coli / 4A
 Total impaired size by water type: 18.63

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L36R-02-BAC - Catawba Creek**

Location:	Catawba Creek from its headwaters to the mouth.
City/County	Halifax Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

NESTED: 23315, 06/20/2006

Station ID:

4ACBA000.22 (TMDL Monitoring)

E. coli - 2/11 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L36R_CBA01A06	Catawba Creek	From its headwaters to the mouth	4A	Escherichia coli	2006	2018	7.70

Catawba Creek

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01

Escherichia coli / 4A

Total impaired size by water type:

7.7

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L36R-03-BAC - Buckskin Creek**

Location:	Buckskin Creek from its headwaters to its mouth on the Roanoke (Staunton) River.
City/County	Halifax Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

NESTED: 23315, 06/20/2006

Station ID:

4ABCD001.70 (Ambient)

E. coli - 2/9 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L36R_BCD01A08	Buckskin Creek	Buckskin Creek from its headwaters to its mouth on the Roanoke (Staunton) River	4A	Escherichia coli	2008	2020	7.73

Buckskin Creek

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01

Escherichia coli / 4A

Total impaired size by water type:

7.73

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L36R-04-BAC - Armistead Branch**

Location:	Armistead Branch from its headwaters to its mouth on Catawba Creek.
City/County	Halifax Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

NESTED: 24387, 06/20/2006

Station ID:

4AATD002.66 (Ambient)

E. coli - 12/12 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L36R_ATD01A08	Armistead Branch	Armistead Branch from its headwaters to its mouth on Catawba Creek	4A	Escherichia coli	2010	2022	5.00

Armistead Branch

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01

Escherichia coli / 4A

Total impaired size by water type:

5

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L37R-01-BAC - Cub Creek**

Location:	From Terrys Creek to the mouth at the Roanoke (Staunton) River
City/County	Charlotte Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

Station ID:

4ACUB002.21 (2006 Roanoke Bacteria TMDL)

E. coli - 3/12 Violation Rate

4ACUB005.46 (2006 Roanoke Bacteria TMDL)

E. coli - 3/12 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L37R_CUB02A06	Cub Creek	From Terrys Creek to the mouth at the Roanoke (Staunton) River	4A	Escherichia coli	2006	2018	8.53

Cub Creek

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01

Escherichia coli / 4A

Total impaired size by water type:

8.53

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L37R-02-BAC - Louse Creek**

Location:	Louse Creek from its headwaters to the mouth.
City/County	Charlotte Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

NESTED: 23315, 06/20/2006

Station ID:

4ALOU001.16 (TMDL Monitoring)

E. coli - 4/12 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L37R_LOU01A06	Louse Creek	From its headwaters to the mouth on Cub Creek	4A	Escherichia coli	2006	2018	8.41

Louse Creek

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01

Escherichia coli / 4A

Total impaired size by water type:

8.41

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L37R-03-BAC - Big Cub Creek**

Location:	Big Cub Creek from the confluence with Cub Creek upstream to its headwaters to include Left Hand Fork and tribs.
City/County	Charlotte Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

NESTED: 24391, 06/20/2006

Station IDs:

4ABUB000.06 (Ambient, TMDL)

E. coli - 3/15 Violation Rate

4ABUB006.50 (TMDL Monitoring)

E. coli - 4/12 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L37R_BUB01A06	Big Cub Creek	From the confluence with Cub Creek upstream to its headwaters to include Left Hand Fork and tribs	4A	Escherichia coli	2006	2018	25.02

Big Cub Creek

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01

Escherichia coli / 4A

Total impaired size by water type:

25.02

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L37R-04-BAC - Little Cub Creek**

Location:	Little Cub Creek from its headwaters to its confluence with Cub Creek.
City/County	Charlotte Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

NESTED: 24391, 06/20/2006

Station ID:

4ALUB000.12 (2006 Roanoke Bacteria TMDL)

E. coli - 4/12 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L37R_LUB01A06	Little Cub Creek	From its headwaters downstream to its confluence with Cub Creek	4A	Escherichia coli	2006	2018	8.71

Little Cub Creek

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01

Escherichia coli / 4A

Total impaired size by water type:

8.71

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

* Narrative descriptions, location and city/county describe the entire extent of the impairment. Sizes may not represent the total size of the impairment.



2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L37R-05-BAC - Terrys Creek**

Location:	Terrys Creek from its headwaters to its mouth on Cub Creek.
City/County	Charlotte Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

NESTED: 23315, 06/20/2006

Station ID:

4ATYS001.25 (Ambient)

E. coli - 7/9 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L37R_TYS01A08	Terrys Creek	Terrys Creek from its headwaters to its mouth on Cub Creek	4A	Escherichia coli	2008	2020	7.00

Terrys Creek

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01

Escherichia coli / 4A

Total impaired size by water type:

7

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L38L-01-HG - Conner Lake**

Location:	Conner Lake
City/County	Halifax Co.
Use(s):	Fish Consumption
Cause(s) / VA Category:	Mercury in Fish Tissue / 5A

Station ID:
4AHTA003.26 (2006 FT/Sediment)
Hg 2 Species

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L38L_HTA01L00	Conner Lake	On Hunting Creek.	5A	Mercury in Fish Tissue	2010	2022	98.05

Conner Lake

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01

Mercury in Fish Tissue / 5A
Total impaired size by water type:

98.05

Fish Consumption

Sources:

- Source Unknown

* Narrative descriptions, location and city/county describe the entire extent of the impairment. Sizes may not represent the total size of the impairment.



2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L40R-01-BAC - Berles Creek**

Location:	Berles Creek from its headwaters to Sandy Creek.
City/County	Charlotte Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

NESTED: 23316, 06/20/2006

Station ID:

4ABLE001.21

E. coli - 3/6 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L40R_BLE01A06	Berles Creek	Headwaters to Sandy Creek	4A	Escherichia coli	2006	2014	2.18

Berles Creek

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01

Escherichia coli / 4A

Total impaired size by water type:

2.18

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L40R-04-BAC - Sandy Creek**

Location:	Sandy Creek from its headwaters to mouth on Roanoke (Staunton) River
City/County	Charlotte Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

NESTED: 23316, 06/20/2006

Station ID:

4ASLA001.52 (Ambient)

E. coli - 3/15 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L40R_SLA01A06	Sandy Creek	Headwaters to mouth on Roanoke (Staunton) River	4A	Escherichia coli	2012	2024	5.35

Sandy Creek

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01

Escherichia coli / 4A

Total impaired size by water type:

5.35

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L40R-05-BAC - Unnamed Tributary to Buffalo Creek**

Location:	Unnamed Tributary to Buffalo Creek from its headwaters to the mouth.
City/County	Charlotte Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

Station ID:
4AXMC000.54
E. coli - 2/5 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L40R_XMC01A06	Buffalo Creek, Unnamed Tributary	From its headwaters to the mouth	4A	Escherichia coli	2002	2014	1.48

Unnamed Tributary to Buffalo Creek	Estuary (sq. miles)	Reservoir (acres)	River (miles)
Impaired area ID: VAC-L30R-01			1.48
	Escherichia coli / 4A		
	Total impaired size by water type:		

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L40R-06-BAC - Buffalo Creek**

Location:	Buffalo Creek from an unnamed tributary at river mile 2.3 to the Roanoke (Staunton) River.
City/County	Charlotte Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

Station ID:
4ABNN001.85
E. coli - 13/24 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L40R_BNN01A06	Buffalo Creek	Unnamed tributary at river mile 2.3 to the Roanoke River.	4A	Escherichia coli	2006	2016	2.34

Buffalo Creek **Estuary (sq. miles)** **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01 Escherichia coli / 4A
Total impaired size by water type: 2.34

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L40R-07-BAC - Cargills Creek**

Location:	Cargills Creek from its headwaters to its mouth on Kerr Reservoir
City/County	Charlotte Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

NESTED: 23316, 06/20/2006

Station ID:

4ACAR001.70 (Ambient)

E. coli - 4/9 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L40R_CAR01A08	Cargills Creek	Cargills Creek from its headwaters to its mouth on Kerr Reservoir	4A	Escherichia coli	2008	2020	4.27

Cargills Creek

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: VAC-L30R-01

Escherichia coli / 4A

Total impaired size by water type:

4.27

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L19R-01-BAC - Roanoke (Staunton) River**

Location:	Roanoke (Staunton) River from the (old) Dan River, Inc. outfall to the backwaters of Kerr Reservoir.
City/County	Campbell Co., Charlotte Co., Halifax Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 4A

Station ID:

4AROA067.91 (Ambient)

E. coli - 4/36 Violation Rate

4AROA059.12 (Ambient)

E. coli - 5/37 Violation Rate

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L30R_ROA01A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from the Falling River mouth at the Campbell/Charlotte/Halifax County line downstream to the confluence of Childrey Creek.	4A	Escherichia coli	2006	2010	2.65
VAC-L30R_ROA02A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from the Brookneal Staunton River POTW downstream to the confluence of Falling River at the Campbell/Charlotte/Halifax County Line.	4A	Escherichia coli	2008	2024	2.26
VAC-L30R_ROA03A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from Dan River, Inc. downstream to the Brookneal Staunton River POTW.	4A	Escherichia coli	2008	2024	0.90
VAC-L36R_ROA01A98	Roanoke (Staunton) River	Childrey Creek to Cub Creek.	4A	Escherichia coli	2006	2010	14.05
VAC-L38R_ROA02A98	Roanoke (Staunton) River	Cub Creek to Roanoke Creek.	4A	Escherichia coli	2006	2010	12.54
VAC-L40R_ROA03A98	Roanoke (Staunton) River	Roanoke Creek to the pipeline crossing approximately 5.4 miles downstream of the Route 360 bridge.	4A	Escherichia coli	2006	2010	10.18
VAC-L40R_ROA04A98	Roanoke (Staunton) River	The pipeline crossing about 5.4 miles downstream of the Route 360 bridge to Kerr Reservoir.	4A	Escherichia coli	2006	2006	4.41

Roanoke (Staunton) River

Estuary (sq. miles) **Reservoir (acres)** **River (miles)**

Impaired area ID: **VAC-L30R-01**

Escherichia coli / 4A

Total impaired size by water type:

46.99

Recreation

Sources:

- Livestock (Grazing or Feeding Operations)
- Unspecified Domestic Waste
- Wastes from Pets
- Wildlife Other than Waterfowl

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2012 Impaired Waters

Category 4 & 5 by 2012 Impaired Area ID*

Roanoke and Yadkin River Basins

Cause Group Code: **L19R-01-HG - Roanoke (Staunton) River, Cub Creek, Kerr Reservoir**

Location:	Roanoke (Staunton) River from Leesville Dam to the John H. Kerr Dam including Kerr Reservoir, its tributaries Eastland Creek and Nutbush Creek (within the state of Virginia) and Cub Creek from its mouth to the crossing of Rough Creek Road near Rough Creek.
City/County	Campbell Co., Charlotte Co., Halifax Co., Mecklenburg Co., Pittsylvania Co.
Use(s):	Fish Consumption
Cause(s) / VA Category:	Mercury in Fish Tissue / 5A

VDH Fish Advisory - PCBs: Issued 7/24/98, revised 8/31/07 & Mercury: Issued 8/31/07

Roanoke (Staunton) River from below Leesville Dam downstream ~ 98 miles to the confluence of Dan River including its tributary Cub Creek up to Rough Creek Road (State Route 695) near Rough Creek.

VDH recommends the following precautions to reduce any potential harmful effects from eating contaminated fish:

Eat smaller, younger fish (within the legal limits). Younger fish are less likely to contain harmful levels of contaminants than larger, older fish.

Eat fewer or smaller servings of fish.

Try to eat different species of fish from various sources (i.e., different creeks, rivers and streams).

Cleaning or cooking contaminated fish does not eliminate or reduce mercury. However, levels of PCBs in fish can be reduced by taking the following precautions:

Remove the skin, the fat from the belly and top and internal organs before cooking the fish.

Bake, broil or grill on an open rack to allow fats to drain away from the meat.

Discard the fats that cook out of the fish.

Avoid or reduce the amount of fish drippings or broth that is used to flavor the meal.

Eat less deep-fried fish, since frying seals contaminants into the fatty tissue.

For more information about fish consumption advisories, including frequently asked questions go to www.vdh.virginia.gov.

Mercury Fish Tissue Sampling Results

Near Route 29 - Altavista

4AROA129.55 (2006 FT/Sediment) - 2 species exceed Mercury VDH level of concern

Near Brookneal

4AROA097.07 (2006 FT/Sediment) - 1 species exceeded Mercury VDH level of concern

Near Route 746 - Randolph

4AROA067.91 (2006 FT/Sediment) - 1 species exceeded Mercury VDH level of concern

Near Route 360 - Clover

4AROA059.12 (2006 FT/Sediment) - 4 species exceed Mercury VDH level of concern

Near Clarksville

4AROA036.59 (2006 FT/Sediment) - 1 species exceeded Mercury VDH level of concern

Kerr Reservoir near Ivy Hill

4AROA028.04 (2006 FT/Sediment) - 2 species exceed Mercury VDH level of concern

Lake Gaston near State Line

4AROA004.54 (2006 FT/Sediment) - 1 species exceeded Mercury VDH level of concern

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L30R_ROA01A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from the Falling River mouth at the Campbell/Charlotte/Halifax County line downstream to the confluence of Childrey Creek.	5A	Mercury in Fish Tissue	2008	2020	2.65
		Roanoke (Staunton) River mainstem					

VAC-L30R_ROA02A00	Roanoke (Staunton) River	from the Brookneal Staunton River POTW downstream to the confluence of Falling River at the Campbell/Charlotte/Halifax County Line.	5A	Mercury in Fish Tissue	2008	2020	2.26
VAC-L30R_ROA03A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from Dan River, Inc. downstream to the Brookneal Staunton River POTW.	5A	Mercury in Fish Tissue	2008	2020	0.90
VAC-L30R_ROA04A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from Buffalo Creek confluence downstream to Dan River, Inc.	5A	Mercury in Fish Tissue	2008	2020	4.94
VAC-L30R_ROA06A00	Roanoke (Staunton) River	Roanoke (Staunton) River mainstem from the Big Otter River mouth downstream to the confluence of Buffalo Creek.	5A	Mercury in Fish Tissue	2008	2020	22.20
VAC-L36R_ROA01A98	Roanoke (Staunton) River	Childrey Creek to Cub Creek.	5A	Mercury in Fish Tissue	2008	2020	14.05
VAC-L37R_CUB01B08	Cub Creek	The Rough Creek Road Crossing near Rough Creek to the confluence with Terrys Creek.	5A	Mercury in Fish Tissue	2008	2020	5.72
VAC-L37R_CUB02A06	Cub Creek	From Terrys Creek to the mouth at the Roanoke (Staunton) River	5A	Mercury in Fish Tissue	2008	2020	8.53
VAC-L38R_ROA02A98	Roanoke (Staunton) River	Cub Creek to Roanoke Creek.	5A	Mercury in Fish Tissue	2008	2020	12.54
VAC-L40R_ROA03A98	Roanoke (Staunton) River	Roanoke Creek to the pipeline crossing approximately 5.4 miles downstream of the Route 360 bridge.	5A	Mercury in Fish Tissue	2008	2020	10.18
VAC-L40R_ROA04A98	Roanoke (Staunton) River	The pipeline crossing about 5.4 miles downstream of the Route 360 bridge to Kerr Reservoir.	5A	Mercury in Fish Tissue	2008	2020	4.41

Roanoke (Staunton) River, Cub Creek, Kerr Reservoir

Estuary (sq. miles) Reservoir (acres) River (miles)

Impaired area ID: VAC-L30R-01

Mercury in Fish Tissue / 5A
Total impaired size by water type:

88.38

Fish Consumption

Sources:

- Source Unknown

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