



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O01R-01-BAC

South Fork Holston River and Tributaries

Location: This segment includes the mainstem South Fork Holston River from the headwaters downstream to the Barton Creek confluence; from the Rowland Creek confluence downstream to the Grosses Creek confluence; and the Lower South Fork Holston River from the South Holston Lake backwaters upstream to the Rush Creek confluence. It also includes Bishop Branch from the confluence with South Fork Holston River upstream to the confluence with Parker Branch, Grosses Creek from the headwaters downstream to the confluence with South Fork Holston River, Slemp Creek from the headwaters downstream to the confluence with the South Fork Holston River, and St. Clair Creek, a South Fork Holston River tributary south of St. Clair Bottom.

City / County: Smyth Co. Washington Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

Fecal Coliform / 5A

The AWQM station located at 6CSFH075.61 had a 21% exceedance of the E.coli water quality standard, 6CSFH110.45 had a 33% exceedance, 6CSFH097.42 had a 25% exceedance of the E. coli water quality standard. Station 6CGRC000.68 had a 67% exceedance of the E. coli water quality standard, station 6CBSC000.10 had a 91% exceedance, station 6CSLM000.67 had a 40% exceedance, and station 6BSTC000.20 had a 23% exceedance of the E. coli water quality standard.

South Fork Holston River and Tributaries	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			43.30

South Fork Holston River and Tributaries	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Fecal Coliform - Total Impaired Size by Water Type:			9.58

Sources:

- Grazing in Riparian or Shoreline Zones
 - Livestock (Grazing or Feeding Operations)
 - Rural (Residential Areas)
 - Source Unknown
- Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O01R-02-PH **Hurricane Creek Tributary**

Location: This is an unnamed tributary of Hurricane Creek in Smyth County north of the Appalachian Trail.

City / County: Smyth Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: pH / 5A

pH measurements at station 6CXEE000.72 failed to meet the pH water quality standard.

Hurricane Creek Tributary	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
pH - Total Impaired Size by Water Type:			1.12

Sources:

Natural Sources



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O02R-01-HG

South Fork Holston River

Location: This segment extends from the Grosses Creek confluence downstream to Rush Creek.

City / County: Washington Co.

Use(s): Fish Consumption

Cause(s) /

VA Category: Mercury in Fish Tissue / 5A

Two samples at station 6CSFH088.91 exceeded the Mercury screening values in 2007.

South Fork Holston River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fish Consumption			
Mercury in Fish Tissue - Total Impaired Size by Water Type:			6.14

Sources:

Atmospheric Deposition -
Toxics



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O02R-03-HG **Beaverdam Creek**

Location: This segment extends from the Tennessee state line upstream to its confluence with the South Fork Holston River.

City / County: Washington Co.

Use(s): Fish Consumption

Cause(s) /

VA Category: Mercury in Fish Tissue / 5A

The Virginia Department of Health's level of concern was exceeded for Mercury in one fish tissue sample and the Department of Environmental Quality's screening value for Mercury was exceeded in an additional sample.

Beaverdam Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fish Consumption			
Mercury in Fish Tissue - Total Impaired Size by Water Type:			2.01

Sources:

Atmospheric Deposition -
Toxics



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O02R-05-BAC Whitetop Laurel Creek

Location: Mainstem from Pennington Branch confluence upstream of Konnarock, downstream to the Green Cove Creek confluence.

City / County: Washington Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The AWQM station located at 6CWLC011.55 had a 16% exceedance of the E. coli water quality standard.

Whitetop Laurel Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			3.80

Sources:

Rural (Residential Areas)

Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O03R-01-BEN **Middle Fork Holston River**

Location: This segment includes the Middle Fork Holston River from the headwaters downstream to the Dutton Branch confluence.

City / County: Smyth Co. Wythe Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

Probabilistic Monitoring station 6CMFH055.88 was impaired based on the VSCI scores.

Middle Fork Holston River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			3.42

Sources:

Grazing in Riparian or Unrestricted Cattle Access
Shoreline Zones



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O03R-02-BAC **Bear Creek**

Location: Middle Fork Holston River tributary, west of Atkins, parallel to Route 622.

City / County: Smyth Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

AWQM station at 6CBER000.17 had a 33% exceedance of the E. coli water quality standard.

Bear Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			6.51

Sources:

Rural (Residential Areas) Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O03R-03-BAC Staley Creek

Location: This segment is a Middle Fork Holston River tributary, parallel to Route 16, south of Marion to the National Forest border.

City / County: Smyth Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

AWQM station at 6CSTA000.05 has a 63% exceedance of the E. coli water quality standard.

Staley Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			6.59

Sources:

Rural (Residential Areas)



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O04L-01-HG **Hungry Mother Lake**

Location: This segment includes Hungry Mother Lake from its headwaters to the dam.

City / County: Smyth Co.

Use(s): Fish Consumption

Cause(s) /

VA Category: Mercury in Fish Tissue / 5A

Mercury exceeded DEQ's screening value in four fish samples at station 6CHUN005.24

Hungry Mother Lake	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fish Consumption			
Mercury in Fish Tissue - Total Impaired Size by Water Type:			103.23

Sources:

Atmospheric Deposition -
Toxics



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O05R-02-BEN Greenway Creek

Location: This segment includes the mainstem from the headwaters downstream to the confluence with the Middle Fork Holston River.

City / County: Washington Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The biological station located at 6CGRW002.31 was impaired based on VSCI scores.

Greenway Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			5.02

Sources:

Grazing in Riparian or
Shoreline Zones

Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O06L-01-HG

South Holston Reservoir

Location: The TVA dam is located in Tennessee and Virginia. It is operated to generate hydroelectric power, flood control and provide recreational opportunities.

City / County: Washington Co.

Use(s): Fish Consumption

Cause(s) /

VA Category: Mercury in Fish Tissue / 5A

Four fish tissue samples exceeded the Virginia Department of Health's level of concern for Mercury and 7 samples exceeded the Department of Environmental Quality's screening value for Mercury.

South Holston Reservoir	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fish Consumption			
Mercury in Fish Tissue - Total Impaired Size by Water Type:		1,699.97	

Sources:

Source Unknown



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O06L-01-PCB **South Holston Reservoir**

Location: The TVA dam is located in Tennessee and Virginia. It is operated to generate hydroelectric power, flood control and provide recreational opportunities.

City / County: Washington Co.

Use(s): Fish Consumption

Cause(s) /

VA Category: PCB in Fish Tissue / 5A

Two fish tissue samples from channel catfish exceeded the Department of Environmental Quality's screening value for polychlorinated biphenyls (PCBs).

South Holston Reservoir	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fish Consumption			
PCB in Fish Tissue - Total Impaired Size by Water Type:		1,699.97	

Sources:

Source Unknown



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O06R-01-PCB Wolf Creek

Location: This segment extends from the Town Creek confluence downstream to the lake backwaters.

City / County: Washington Co.

Use(s): Fish Consumption

Cause(s) /

VA Category: PCB in Fish Tissue / 5A

This segment was listed based on the Virginia Department of Health's fish consumption advisory for polychlorinated biphenyls.

Wolf Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fish Consumption			
PCB in Fish Tissue - Total Impaired Size by Water Type:			6.67

Sources:

Source Unknown



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O06R-02-BAC Fifteen Mile Creek

Location: This segment extends from the headwaters downstream to the confluence with the South Holston Reservoir.

City / County: Washington Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

Station 6CFIF000.96 had a 16% exceedance of the E.coli water quality standard and station 6CFIF006.16 had a 36% exceedance of the E. coli water quality standard.

Fifteen Mile Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			12.93

Sources:

Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O06R-03-BAC **Spring Creek**

Location: This segment extends from the South Holston Reservoir backwaters upstream to the headwaters.

City / County: Washington Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The AWQM station located at 6CSPR001.18 had a 41% exceedance of the E.coli water quality standard.

Spring Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			4.43

Sources:

Rural (Residential Areas) Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O07R-01-PCB **Beaver Creek and Little Creek**

Location: This segment includes the headwaters of Beaver Creek downstream to the Tennessee political boundary and Little Creek from the headwaters downstream to the Tennessee political boundary in the City of Bristol.

City / County: Bristol City Washington Co.

Use(s): Fish Consumption

Cause(s) /

VA Category: PCB in Fish Tissue / 5A

Fish tissue stations (6CBEV015.27 and 6CLTL000.26) found polychlorinated biphenyls (PCB's) in carp and stonerollers above DEQ's screening value.

Beaver Creek and Little Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fish Consumption			
PCB in Fish Tissue - Total Impaired Size by Water Type:			17.33

Sources:

Inappropriate Waste
Disposal



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O07R-04-BAC Sinking Creek

Location: This segment includes the headwaters downstream to the Tennessee state line, east of the City of Bristol.

City / County: Washington Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The AWQM station located at 6CSNK006.68 has a 16% exceedance of the E. coli water quality standard.

Sinking Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			3.79

Sources:

Rural (Residential Areas) Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O07R-05-BAC **Stoffel Creek**

Location: This segment is located northwest of the City of Bristol, near the Three Springs community.

City / County: Bristol City Washington Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The AWQM station located at 6CSTO000.86 has a 25% exceedance of the E. coli water quality standard.

Stoffel Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			5.22

Sources:

Rural (Residential Areas) Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O08R-01-BAC **Boozy Creek**

Location: This is a South Fork Holston Lake tributary to Tennessee, parallel to Route 618.

City / County: Scott Co. Washington Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The AWQM station located at 6CBOO002.71 has a 50% exceedance of the E. coli water quality standard.

Boozy Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			2.53

Sources:

Rural (Residential Areas) Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O10R-01-PCB North Fork Holston River

Location: This segment begins in Saltville at river mile 85.40 and extends to the Route 80 bridge. Historically there has been an error in the segments that are included in this impairment due to a discrepancy in the VDH website.

City / County: Scott Co. Smyth Co. Washington Co.

Use(s): Fish Consumption

Cause(s) /

VA Category: PCB in Fish Tissue / 5A

The Virginia Department of Health added polychlorinated biphenyls (PCBs) to the fish consumption ban in 12/13/2004. Stations 6CNFH059.65 and 6CNFH039.18 revealed PCBs in the sediment.

North Fork Holston River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fish Consumption			
PCB in Fish Tissue - Total Impaired Size by Water Type:			15.27

Sources:

Source Unknown



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O10R-05-BEN Laurel Creek

Location: This segment includes the headwaters within Jefferson National Forest in Bland County downstream to the confluence with Roaring Fork.

City / County: Bland Co. Tazewell Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The biological stations located at 6CLAE018.29 was impaired based on the VSCI.

Laurel Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			2.65

Sources:

Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O11L-01-TEMP Hidden Valley Lake

Location: This is a warm water fishery owned by the Department of Game and Inland Fisheries.

City / County: Washington Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Temperature, water / 5C

Station 6CBRU010.91 had a 22% exceedance of the water quality standard for temperature.

Hidden Valley Lake	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Temperature, water - Total Impaired Size by Water Type:			61.10

Sources:

- Natural Conditions - Water
- Quality Standards Use
- Attainability Analyses
- Needed



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O11L-02-PH Laurel Bed Lake

Location: Laurel Bed Lake is a DGIF owned cool water fishery, located in Clinch Mountain Wildlife Management Area.

City / County: Russell Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: pH / 5C

A station located at 6CLAU001.84 had a 18% exceedance of the pH water quality criteria.

Laurel Bed Lake	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
pH - Total Impaired Size by Water Type:			359.43

Sources:

- Natural Conditions - Water
- Quality Standards Use
- Attainability Analyses
- Needed



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O11L-02-TEMP Laurel Bed Lake

Location: This lake is owned by the Department of Game and Inland Fisheries and lies within Clinch Mountain Wildlife Management Area.

City / County: Russell Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Temperature, water / 5C

Station 6CLAU001.84 had a 14% exceedance of the water quality standard for temperature.

Laurel Bed Lake	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Temperature, water - Total Impaired Size by Water Type:			359.43

Sources:

- Natural Conditions - Water
- Quality Standards Use
- Attainability Analyses
- Needed



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: O12R-03-BEN Greendale Creek

Location: This segment extends from the North Fork Holston River confluence upstream 4.1 miles.

City / County: Washington Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The biological station located at 6CGRN003.29 was impaired based on VSCI scores of 53 and 54 in 2007.

Greendale Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			5.03

Sources:

Highway/Road/Bridge
Runoff (Non-construction
Related)

Livestock (Grazing or
Feeding Operations)

Rural (Residential Areas)



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P01L-03-HG **Lake Witten**

Location: This Lake is located in Cavitts Creek Park in Tazewell County.

City / County: Tazewell Co.

Use(s): Fish Consumption

Cause(s) /

VA Category: Mercury in Fish Tissue / 5A

Two largemouth fish tissue samples collected in May 2007 exceeded the Virginia Department of Health's level of concern for Mercury (Hg).

Lake Witten	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fish Consumption			
Mercury in Fish Tissue - Total Impaired Size by Water Type:			53.17

Sources:

Atmospheric Deposition - Source Unknown
Toxics



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P01R-02-BEN Plum Creek

Location: This segment extends from the headwaters of Plum Creek downstream to the confluence with the Clinch River.

City / County: Tazewell Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The biological station located at 6BPLU002.15 was impaired based on a VSCI score of 41.

Plum Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			2.88

Sources:

Loss of Riparian Habitat Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P03R-01-BEN **Clinch River Tributaries**

Location: This segment extends from confluence with Clinch River upstream to the Left Fork Coal Creek confluence, Big Creek from the confluence with West Fork downstream to the confluence with the Clinch River, Mudlick Creek from the confluence with Zeke Creek downstream to the confluence with the Clinch River, and Town Hill Creek from the confluence with Little Town Hill Creek downstream to the confluence with the Clinch River.

City / County: Tazewell Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The Probabilistic Monitoring station at 6BCOL001.93, 6BBIG000.99, 6BMCK000.04, and 6BTHC000.06 were impaired based on the VSCI scores.

Clinch River Tributaries	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			6.87

Sources:

Coal Mining Rural (Residential Areas) Silviculture Activities Source Unknown



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P03R-02-HG **Clinch River**

Location: This segment begins just upstream of the Town Hill confluence and continues downstream to the Mill Creek confluence.

City / County: Tazewell Co.

Use(s): Fish Consumption

Cause(s) /

VA Category: Mercury in Fish Tissue / 5A

Three fish samples collected in 2007 exceeded the Department of Environmental Quality's screening value for Mercury.

Clinch River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fish Consumption			
Mercury in Fish Tissue - Total Impaired Size by Water Type:			5.55

Sources:

Atmospheric Deposition -
Toxics



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P04R-02-BEN Swords Creek

Location: This segment includes the mainstem from the Sculpture Spring Branch confluence downstream to the confluence with Clinch River.

City / County: Russell Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The biological monitoring station located at 6BSWO000.11 was impaired based on VSCI scores of 47.68 and 68.53.

Swords Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			2.91

Sources:

Rural (Residential Areas)



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P06R-01-BEN Big Cedar Creek

Location: From the vicinity of Daughertys Cave downstream to the confluence with the Clinch River

City / County: Russell Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The biological monitoring station located at 6BBCD002.01 was impaired based on VSCI scores of 59.21 and 52.43 in 2012.

Big Cedar Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			4.20

Sources:

Rural (Residential Areas) Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P07R-02-BEN Mill Creek

Location: A Clinch River tributary, from the headwaters on Copper Ridge to Pennus Hollow.

City / County: Russell Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The biological monitoring station located at 6BMIF003.23 was impaired based on VSCI scores of 53.50 and 56.22.

Mill Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			1.84

Sources:

Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P09L-01-HG Bark Camp Lake

Location: This lake is also known as Corder Bottom Lake, located in Scott County.

City / County: Scott Co.

Use(s): Fish Consumption

Cause(s) /

VA Category: Mercury in Fish Tissue / 5A

Three fish samples exceeded the Department of Environmental Quality's screening value for Mercury.

Bark Camp Lake	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fish Consumption			
Mercury in Fish Tissue - Total Impaired Size by Water Type:			41.06

Sources:

Source Unknown



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P09R-02-BAC Clinch River

Location: The Clinch River mainstem from the Lick Creek confluence at Boody, upstream to an unnamed tributary at rivermile 259.68, includes Kiser Bend, site of the Clinch River Steam Plant and the Clinch River mainstem from an unnamed tributary at rivermile 259.68 upstream to the Dumps Creek confluence, at Kiser Bend.

City / County: Russell Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The AWQM station at 6BCLN256.31 had a 30% exceedance of the bacteria water quality standard and station 6BCLN264.27 had a 19% exceedance of the bacteria water quality standard

Clinch River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			11.96

Sources:

Rural (Residential Areas)



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P11R-03-PCB

Guest River and Bear Creek

Location: This segment begins at the confluence with Parson's Branch and continues downstream to the confluence with the Clinch River and Bear Creek from the Yellow Creek confluence downstream to the Guest River confluence.

City / County: Norton City Wise Co.

Use(s): Fish Consumption

Cause(s) /

VA Category: PCB in Fish Tissue / 5A

Sediment and Fish Tissue stations located at 6BGUE020.37, 6BGUE014.49 and 6BGUE009.33 indicated levels of polychlorinated biphenyls (PCBs) in carp that exceeded DEQ's screening value for PCBs. Sediment and Fish Tissue stations located at 6BGUE001.14 and 6BGUE006.45 found PCB levels that exceeded the Virginia Department of health's level of concern. PCBs were detected in carp and sediment at station 6BBER001.14.

Guest River and Bear Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fish Consumption			
PCB in Fish Tissue - Total Impaired Size by Water Type:			25.96

Sources:

Source Unknown



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P11R-05-BEN Eastland Creek

Location: This segment of Eastland Creek includes from the headwaters downstream to the confluence with Clear Creek.

City / County: Wise Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The biological station located at 6BEAS000.07 was impaired based on VSCI scores.

Eastland Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			2.00

Sources:

Rural (Residential Areas)



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P12R-01-BEN Bark Camp Branch

Location: This segment begins at the headwaters, includes the tributary, and continues downstream to the Stony Creek confluence.

City / County: Scott Co. Wise Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

DEQ biological station 6BBAR000.97 was impaired based on the VSCI score. United States Forest Service (USFS) monitoring station 9150 indicated slight impairment.

Bark Camp Branch	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			3.07

Sources:

Atmospheric Deposition -
Acidity



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P12R-01-PH Bark Camp Branch

Location: This segment begins at the headwaters, includes the tributary, and continues downstream to the Stony Creek confluence.

City / County: Scott Co. Wise Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: pH / 5A

The biological station 6BBAR000.97 found that pH did not meet water quality standards.

Bark Camp Branch	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
pH - Total Impaired Size by Water Type:			3.07

Sources:

Atmospheric Deposition -
Acidity



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P12R-02-BEN **Devil Fork**

Location: This segment begins at the headwaters of Devil Fork and continues downstream to the confluence with Straight Fork.

City / County: Scott Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

DEQ biological station 6BDEV000.07 was impaired based on the VSCI score of 34 and United States Forest Service monitoring station 9131 was also impaired.

Devil Fork	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			4.40

Sources:

Atmospheric Deposition - Source Unknown
Acidity



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P12R-02-pH **Devil Fork**

Location: Devil Fork is a tributary to Straight Fork in Jefferson National Forest, north of Stone Mountain.

City / County: Scott Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: pH / 5A

The DEQ Biological monitoring station 6BDEV000.07 found that pH did not meet water quality standards.

Devil Fork	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
pH - Total Impaired Size by Water Type:			4.40

Sources:

Atmospheric Deposition -
Acidity

Source Unknown



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P13R-02-PCB Stock Creek

Location: From stream mile 4.56 downstream to the Clinch River confluence at Clinchport.

City / County: Scott Co.

Use(s): Fish Consumption

Cause(s) /

VA Category: PCB in Fish Tissue / 5A

AWQM and sediment/fish tissue station located at 6BSTO004.56 had one fish that exceeded the DEQ screening value for Hg.

Stock Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fish Consumption			
PCB in Fish Tissue - Total Impaired Size by Water Type:			4.78

Sources:

Source Unknown



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P14R-02-BEN Blackoak Branch Tributary

Location: This segment is north of Spivey Mill parallel to Route 665.

City / County: Scott Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The biological station located at 6BXGD000.01 was impaired based on the VSCI scores.

Blackoak Branch Tributary	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			0.76

Sources:

Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P17R-00-PH Dark Hollow

Location: This segment is a Powell River tributary south of Appalachia.

City / County: Wise Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: pH / 5A

The biological monitoring station located at 6BDAR000.26 resulted in low VSCI scores. 2 of 2 pH measurements failed to meet water quality standards.

Dark Hollow	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
pH - Total Impaired Size by Water Type:			1.40

Sources:

Atmospheric Deposition -
Acidity



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P17R-04-BEN **Unnamed tributary to Callahan Creek**

Location: Flows from Ninemile Spur upstream of Stonega, WQS Section 1.

City / County: Norton City Wise Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

Non agency biological monitoring data provided by Appalachian Technical Services indicated impairment based on VSCI scores.

Unnamed tributary to Callahan Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			0.58

Sources:

Unspecified Land
Disturbance



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P17R-09-BEN Roaring Fork and Potcamp Fork

Location: This segment includes from the headwaters above the Roaring Fork community to the Powell River confluence at Kent Junction, parallel to Route 603, including Potcamp Fork and Canepatch Creek.

City / County: Norton City Wise Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The biological monitoring station located at 6BRIN001.84 was impaired based on VSCI scores of 49.15 and 27.84 and non agency biological monitoring data provided by Appalachian Technical Services indicates impairment on Potcamp Fork and Canepatch Creek.

Roaring Fork and Potcamp Fork	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			26.77

Sources:

Coal Mining Mountaintop Mining Silviculture Harvesting Surface Mining



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P17R-12-BEN **Powell River**

Location: This segment includes the mainstem of the Powell River south of Appalachia from Pigeon Creek to the Roaring Creek confluence.

City / County: Norton City Wise Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

Non agency biological data provided by Appalachian Technical Services indicated impairment based on VSCI scores.

Powell River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			1.00

Sources:

Coal Mining

Impacts from Abandoned
Mine Lands (Inactive)

Rural (Residential Areas)



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P17R-13-BEN Looney Creek

Location: This segment is a Powell River tributary west of Appalachia.

City / County: Norton City Wise Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

Non agency biological data provided by Appalachian Technical Services indicated impairment based on VSCI scores.

Looney Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			8.54

Sources:

Surface Mining



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P18L-01-HG **Big Cherry Reservoir**

Location: This reservoir is located east of East Stone Gap on Powell Mountain.

City / County: Wise Co.

Use(s): Fish Consumption

Cause(s) /

VA Category: Mercury in Fish Tissue / 5A

Two largemouth bass samples exceeded the Virginia Department of Health's level of concern for Mercury.

Big Cherry Reservoir	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fish Consumption			
Mercury in Fish Tissue - Total Impaired Size by Water Type:			104.00

Sources:

Atmospheric Deposition -
Toxics



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P18L-01-PH **Big Cherry Reservoir**

Location: This reservoir is located east of East Stone Gap on Powell Mountain.

City / County: Wise Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: pH / 5C

Category 5C: Monitoring station 6BPLL012.79 had a 61% exceedance of the pH water quality criteria and station 6BPLL012.99 had a 79% exceedance of the pH criteria.

Big Cherry Reservoir	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
pH - Total Impaired Size by Water Type:			104.00

Sources:

- Natural Conditions - Water Quality Standards Use Attainability Analyses Needed



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P18R-01-PH **South Fork Powell River**

Location: Mainstem from the Butcher Fork confluence north of East Stone Gap downstream to the confluence with the Powell River at Three Forks in Big Stone Gap.

City / County: Wise Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: pH / 5A

The AWQM station located at 6BPLL001.61 had a 13% exceedance of the pH water quality criterion.

South Fork Powell River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
pH - Total Impaired Size by Water Type:			3.83

Sources:

Source Unknown



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P20L-01-HG **Lake Keokee**

Location: This lake is located south of Exeter on Stone Mountain.

City / County: Lee Co.

Use(s): Fish Consumption

Cause(s) /

VA Category: Mercury in Fish Tissue / 5A

A largemouth bass sample exceeded the Virginia Department of Health level of concern for Mercury and one fish tissue sampled exceeded the Department of Environmental Quality's screening value for Mercury.

Lake Keokee	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fish Consumption			
Mercury in Fish Tissue - Total Impaired Size by Water Type:			96.21

Sources:

Atmospheric Deposition -
Toxics



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P20R-01-TEMP North Fork Powell River

Location: This segment includes the mainstem from the Payne Branch confluence at Sigma downstream to the confluence with Straight Creek.

City / County: Lee Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Temperature, water / 5A

Class V water quality standard for temperature was exceeded in 36% of the samples at the AWQM station located at 6BPWL006.59. Station 6BPWL010.36 had a 18% exceedance of the Class V water quality standard for temperature.

North Fork Powell River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Temperature, water - Total Impaired Size by Water Type:			10.65

Sources:

Silviculture Activities

Surface Mining



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P20R-04-BEN North Fork Powell River Tributaries

Location: These segments include the headwaters of Bundy Creek at Calvin; Cox Creek near Delvale; and Jones Creek from the headwaters at Trace Gap to the confluence with Reeds Creek, northeast of Purcell.

City / County: Lee Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

Non agency biological data provided by Appalachian Technical Services indicated impairment based on VSCI scores.

North Fork Powell River Tributaries	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			8.23

Sources:

Silviculture Activities

Surface Mining



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P21R-02-BAC Hardy Creek

Location: This segment includes the Hardy Creek mainstem and its tributaries.

City / County: Lee Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The AWQM station located at 6BHAR000.34 had a 27% exceedance of the bacteria water quality standard.

Hardy Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			12.52

Sources:

Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P21R-03-BAC **Powell River and Town Creek**

Location: This segment includes the mainstem of Town Creek, just south of Jonesville to the confluence with Batie Creek.

City / County: Lee Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The AWQM station located at 6BTOW001.32 had a 13% exceedance of the E.coli standard.

Powell River and Town Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			6.42

Sources:

Rural (Residential Areas)

Sewage Discharges in
Unsewered Areas

Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P21R-04-BAC Dry Creek

Location: From the Trading Creek confluence, along Route 656, downstream to the confluence with Hardy Creek near Route 650.

City / County: Lee Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The AWQM station located at 6BDBR001.69 had a 18% exceedance of the E. coli water quality standard.

Dry Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			8.87

Sources:

Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P22R-01-TEMP **Wallen Creek**

Location: North of Powell Mountain, from headwaters through Stickleyville, downstream to Rasnic Hollow.

City / County: Lee Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Temperature, water / 5A

Class V water quality standard for temperature was exceeded in 18% of the samples at the AWQM station located at 6BWAL026.64.

Wallen Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Temperature, water - Total Impaired Size by Water Type:			42.90

Sources:

Grazing in Riparian or
Shoreline Zones

Loss of Riparian Habitat

Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P23R-02-BAC Martin Creek

Location: This segment includes the headwaters and extends downstream to the Tennessee political boundary.

City / County: Lee Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The AWQM station located at 6BMTN003.56 had a 45% exceedance of the E.coli water quality standard.

Martin Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			9.66

Sources:

Sewage Discharges in
Unsewered Areas

Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P23R-03-BAC Fourmile Creek

Location: This segment includes from the headwaters, south of Ingles Chapel, parallel to Route 744 and flows south into Tennessee.

City / County: Lee Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The AWQM station located at 6BFOU003.59 had a 50% exceedance of the E. coli water quality standard.

Fourmile Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			2.36

Sources:

Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: P24R-01-BAC Indian Creek

Location: This segment includes the mainstem from the confluence of Machine Branch downstream to the Tennessee political boundary and the mainstem from Ketron Mill to just south of Elydale School

City / County: Lee Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The AWQM station located at 6BIND009.12 had a 50% exceedance of the E.coli water quality standard. Non agency bacteria monitoring data provided by the Department of Conservation and Recreation at Wilderness Road State Park had a 66% exceedance of the E. coli water quality standard.

Indian Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			12.62

Sources:

Sewage Discharges in
Unsewered Areas

Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q03R-02-PCB **Knox Creek and Tributaries**

Location: This segment includes the mainstem from the headwaters to the Kentucky political boundary. It also includes all tributaries to Knox Creek that were included in the December 2005 Virginia Department of Health (VDH) Fish Consumption Ban update including Guess Fork, Big Butt Branch and tributaries, Long Bottom Branch and Pawpaw Creek.

City / County: Buchanan Co.

Use(s): Fish Consumption

Cause(s) /

VA Category: PCB in Fish Tissue / 5A

Fish Tissue stations located at 6AKOX023.25, 6AKOX020.36, 6AKOX019.30, 6AKOX017.97, 6AKOX014.37, 6AKOX012.06, 6AKOX010.98, 6AKOX008.14 indicated an exceedance of the DEQ screening value for polychlorinated biphenyls (PCBs) and the VDH human health criteria for PCBs.

Knox Creek and Tributaries	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fish Consumption			
PCB in Fish Tissue - Total Impaired Size by Water Type:			200.75

Sources:

Source Unknown



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q03R-03-BAC Pawpaw Creek and Jacobs Fork

Location: This segment includes the Pawpaw Creek mainstem from the Kentucky political boundary to the confluence with Knox Creek and Jacobs Fork.

City / County: Buchanan Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The AWQM station 6AJBF010.88 had a 50% exceedance of the E.coli water quality standard and 6APPW000.03 had a 41% exceedance of the E.coli water quality standard.

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Pawpaw Creek and Jacobs Fork			
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			6.57

Sources:

Rural (Residential Areas)

Sewage Discharges in
Unsewered Areas



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q05R-00-TEMP Dismal Creek

Location: This segment includes Dismal Creek from the confluence of Long Branch to the confluence with Levisa Fork.

City / County: Buchanan Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Temperature, water / 5A

The AWQM station located at 6ADIS001.24 had a 16% exceedance of the temperature water quality standard for WQS Class V waters.

Dismal Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Temperature, water - Total Impaired Size by Water Type:			5.38

Sources:

Loss of Riparian Habitat

Silviculture Activities

Unspecified Land
Disturbance



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q08R-05-BEN **Conaway Creek**

Location: Levisa Fork Tributary at Conaway near the Kentucky state line upstream to the Caney Fork confluence.

City / County: Buchanan Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

Biological monitoring station at 6ACNW000.07 was impaired based on VSCI scores.

Conaway Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			2.62

Sources:

Coal Mining

Mountaintop Mining

Surface Mining



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q08R-06-BEN **State Line Branch**

Location: A tributary to Levisa Fork in KY north of Conaway.

City / County: Buchanan Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

Non agency biological monitoring data provided by Appalachian Technical Services indicated impairment based on VSCI scores.

State Line Branch	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			1.35

Sources:

Coal Mining

Mountaintop Mining

Surface Mining



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q08R-07-BEN **Home Creek Headwaters**

Location: This segment includes the headwaters of Home Creek.

City / County: Buchanan Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

Non agency biological data provided by Appalachian Technical Services indicated impairment based on VSCI scores.

Home Creek Headwaters	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			0.80

Sources:

Coal Mining

Rural (Residential Areas)

Surface Mining



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q08R-08-BEN **Conaway Creek and Tributaries**

Location: Headwaters of Conaway Creek.

City / County: Buchanan Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

Non agency biological data provided by Appalachian Technical Services indicated impairment based on VSCI scores.

Conaway Creek and Tributaries	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			6.99

Sources:

Coal Mining

Mountaintop Mining

Surface Mining



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q08R-09-BEN Poplar Creek

Location: This segment includes the mainstem of Poplar Creek from the Poplar Fork confluence downstream to rivermile 0.19, above the confluence with the Levisa Fork near Harman Junction.

City / County: Buchanan Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

Non agency biological monitoring data provided by Appalachian Technical Services indicated impairment based on VSCI scores.

Poplar Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			3.03

Sources:

Rural (Residential Areas)



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q09R-01-BAC **Russell Fork**

Location: This segment includes the unassessed stream segments in the headwaters of Russell Fork downstream to the confluence of the Pound River near Bartlick and from the Kentucky state line upstream 2.2 miles. Hurricane Creek from the confluence of Carver Branch downstream to the confluence with Russell Fork and Indian Creek from Duty downstream to the confluence with Russell Fork.

City / County: Buchanan Co. Dickenson Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The AWQM station located at 6ARSS047.10 had a 17% exceedance of the E.coli water quality standard, station 6ARSS041.08 had a 33% exceedance, station 6ARSS024.30 had a 14% exceedance, station 6ARSS014.15 had a 14% exceedance and Level III citizen monitoring station 6ARSS-RT722-MRRP had a 66% exceedance. Station 6AHRC000.05 had a 72% exceedance of the E. coli water quality standard and 6AIND000.52 had a 33% exceedance of the E. coli water quality standard.

Russell Fork	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			34.48

Sources:

Rural (Residential Areas) Sewage Discharges in
Unsewered Areas



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q09R-01-BEN Indian Creek

Location: A Russell Fork tributary from the Cane Creek confluence at Duty, parallel to Route 602 downstream to the Russell Fork confluence at the Buchanan/Dickenson County line.

City / County: Buchanan Co. Dickenson Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The Probabilistic monitoring station located at 6AIND000.52 was impaired based on the VSCI scores.

Indian Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			2.69

Sources:

Coal Mining

Mountaintop Mining

Rural (Residential Areas)

Surface Mining



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q09R-02-BEN Sullivan Branch

Location: This segment begins at the headwaters of Sullivan Branch and continues downstream to the confluence with Indian Creek.

City / County: Buchanan Co. Dickenson Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The biological station located at 6ASLV000.85 was impaired based on the VSCI scores.

Sullivan Branch	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			1.62

Sources:

Rural (Residential Areas) Silviculture Harvesting Surface Mining



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q10R-01-BEN Fryingpan Creek

Location: From headwaters on Sandy Ridge near Carrie downstream to the Priest Fork confluence.

City / County: Dickenson Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The probabilistic monitoring station 6AFRY006.70 indicates impairment based on VSCI scores.

Fryingpan Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			9.45

Sources:

Coal Mining

Unspecified Land
Disturbance



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q11R-02-BAC McClure River and Tributaries

Location: This segment begins at the Buffalo Creek confluence and continues downstream to the Road Branch confluence and Buffalo Creek from the headwaters downstream to the confluence with McClure River and includes Roaring Fork

City / County: Dickenson Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The station identified as BC on Buffalo Creek had a 50% exceedance of the E.coli water quality standard and station 6AMCR007.46 had a 16% exceedance and station 6AMCR014.69 had a 60% exceedance and station 6AROR-RF-MRRP had a 22% exceedance of the E. coli water quality standard.

McClure River and Tributaries	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			28.40

Sources:

Rural (Residential Areas)



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q11R-02-BEN McClure River and Tributaries

Location: This segment includes the McClure River upstream of Caney Creek confluence to the Buffalo Creek confluence. This segment also includes Wakenva Branch.

City / County: Dickenson Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The biological station located at 6AMCR014.13 was impaired based on the VSCI scores. Non agency biological monitoring data provided by Appalachian Technical Services indicated impairment based on VSCI scores.

McClure River and Tributaries	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			1.80

Sources:

Surface Mining



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q11R-04-BEN Cowan Rose Branch

Location: This segment includes Cowan Rose Branch, a tributary to Open Fork west of Carrico Ridge.

City / County: Dickenson Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

Non agency biological monitoring data provided by Appalachian Technical Services indicated impairment based on VSCI scores.

Cowan Rose Branch	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			3.30

Sources:

Coal Mining

Unspecified Land
Disturbance



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q11R-05-BEN Dismal Fork

Location: This segment includes Dismal Fork, a Neece Creek tributary between Brushy Ridge and Dismal Ridge.

City / County: Dickenson Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

Non agency biological monitoring data indicated impairment based on VSCI scores.

Dismal Fork	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			4.51

Sources:

Coal Mining (Subsurface) Surface Mining



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q12R-01-BAC **Russell Prater Creek**

Location: This segment extends from the headwaters at Poplar Gap downstream to the confluence with Russell Fork.

City / County: Buchanan Co. Dickenson Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The AWQM station located at 6ARPC000.40 had a 58% exceedance of the E.coli water quality standard.

Russell Prater Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			11.72

Sources:

Rural (Residential Areas)



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q12R-05-BEN Middle Fork (Hunts Creek)

Location: This segment is located parallel to Route 631 near Breaks.

City / County: Buchanan Co. Dickenson Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

Non agency biological monitoring data provided by Appalachian Technical Services indicated impairment based on VSCI scores.

Middle Fork (Hunts Creek)	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			2.93

Sources:

Loss of Riparian Habitat

Silviculture Activities

Surface Mining



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q13L-01-HG

John Flannagan Reservoir

Location: This reservoir is located Northeast of Clintwood near the Kentucky state line.

City / County: Dickenson Co.

Use(s): Fish Consumption

Cause(s) /

VA Category: Mercury in Fish Tissue / 5A

Fish tissue sampling done in 2008 found one largemouth bass that exceeded the Virginia Department of Health's level of concern and one exceeded the DEQ screening value for Mercury.

John Flannagan Reservoir	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fish Consumption			
Mercury in Fish Tissue - Total Impaired Size by Water Type:		1,177.21	

Sources:

Atmospheric Deposition -
Toxics



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q13R-02-TEMP North Fork Pound River

Location: This segment extends from the PWS segment at the intake in the North Fork Pound Reservoir, upstream five miles on all tributaries.

City / County: Dickenson Co. Wise Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Temperature, water / 5C

Station 6APNK000.08 had a 33% exceedance of the water quality standard for temperature.

North Fork Pound River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Temperature, water - Total Impaired Size by Water Type:			10.25

Sources:

- Natural Conditions - Water
- Quality Standards Use
- Attainability Analyses
- Needed



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q13R-03-BAC **Pound River**

Location: This segment of the Pound River extends from the Georges Fork confluence downstream to the lake backwaters at Jerry Branch.

City / County: Dickenson Co. Wise Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The AWQM station located at 6APNR023.86 had a 18% and 6APNR028.76 and 30% exceedance of the E.coli water quality standard. Station 6APNR035.66 had a 18% exceedance of the E.coli water quality standard.

Pound River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			16.94

Sources:

Sewage Discharges in
Unsewered Areas



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q13R-03-TEMP North Fork Pound River

Location: This segment includes the mainstem, south of Horse Gap from the dam of North Fork Pound Lake, downstream to the confluence with the Pound River.

City / County: Wise Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Temperature, water / 5C

Station 6APNK000.08 had a 16% exceedance and 6APNK001.10 has 30% exceedance of the water quality standard for temperature.

North Fork Pound River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Temperature, water - Total Impaired Size by Water Type:			1.29

Sources:

- Natural Conditions - Water
- Quality Standards Use
- Attainability Analyses
- Needed



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q13R-04-BEN Indian Creek

Location: Pound River tributary south of the Town of Pound upstream to Barn Branch confluence.

City / County: Wise Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

Station 6AIAC000.42 was impaired based on VSCI scores of 34.01 and 32.55 in 2010. SOS monitoring at 6BIAC-Indian Creek-SOS in 2007 detected an unacceptable benthic community.

Indian Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			2.98

Sources:

Coal Mining

Rural (Residential Areas)

Surface Mining



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q13R-06-BEN Pound River

Location: This segment includes the Pound River from Georges Fork confluence upstream to the confluence of the North Fork and South Fork Pound Rivers.

City / County: Dickenson Co. Wise Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The biological station located at 6APNR034.58 was impaired based on VSCI scores. Station 6APNR023.86 was impaired based on VSCI scores of 51.97 and 31.98 in 2013.

Pound River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			16.94

Sources:

Coal Mining

Rural (Residential Areas)

Surface Mining



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q13R-07-BEN Bear Pen Branch

Location: Bear Pen Branch from the confluence with Childress Branch downstream to the confluence with the Pound River.

City / County: Dickenson Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

Benthic station 6ABEP000.08 was impaired based on VSCI scores.

Bear Pen Branch	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			3.30

Sources:

Source Unknown



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q13R-09-BAC Big Branch

Location: This segment includes Big Branch, a tributary to the South Fork Pound River off Route 671.

City / County: Dickenson Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

Citizen monitoring station 6A-BIGBR-NF-MRRP has a 40% exceedance of the E. coli water quality standard.

Big Branch	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			1.46

Sources:

Rural (Residential Areas) Unrestricted Cattle Access



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q13R-09-BEN North Fork Pound River

Location: This segment includes the headwaters of the North Fork Pound River north of Flat Gap, including Bear Fork, downstream to Bad Creek confluence at Gilley.

City / County: Wise Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

Biological Monitoring station at 6APNK008.28 was impaired based on VSCI scores.

North Fork Pound River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			4.29

Sources:

Coal Mining

Mountaintop Mining

Silviculture Activities

Surface Mining



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q13R-10-BAC **South Fork Pound River**

Location: This segment includes the mainstem from the Donald Branch downstream to confluence with the Pound River west of the Town of Pound.

City / County: Wise Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The citizen monitoring station located at 6APNS-RM-MRRP had a 80% exceedance of the E. coli water quality standard AWQM station 6APNS003.38 had a 25% exceedance of the E. coli water quality standard.

South Fork Pound River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			9.24

Sources:

Rural (Residential Areas)



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q14R-01-BAC Cranesnest River

Location: This segment extends from the headwaters downstream to the confluence with Bartley Branch at the backwaters of the Flannagan Reservoir.

City / County: Dickenson Co.

Use(s): Recreation

Cause(s) /

VA Category: Escherichia coli / 5A

The AWQM station located at 6ACNR021.72 had a 27% exceedance of the E.coli water quality standard and station 6ACNR009.17 had a 15% exceedance of the E.coli standard.

Cranesnest River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Recreation			
Escherichia coli - Total Impaired Size by Water Type:			20.45

Sources:

Rural (Residential Areas)

Sewage Discharges in
Unsewered Areas



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q14R-01-BEN **Birchfield Creek and Cranesnest River**

Location: This segment includes the mainstem of the Cranesnest River from the headwaters downstream to the Honeycamp Branch confluence and Birchfield Creek from the confluence with Happy Hollow downstream to the Cranesnest River.

City / County: Dickenson Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

Benthic stations 6ACNR017.24, 6ACNR018.89 and 6ABLD000.90 were impaired based on VSCI scores.

Birchfield Creek and Cranesnest River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			15.45

Sources:

Surface Mining



Fact Sheets for Impaired (Category 5) Waters in 2016

Tennessee and Big Sandy River Basins

Cause Group Code: Q14R-02-BEN Dotson Creek

Location: A Birchfield Creek tributary parallel to Route 636.

City / County: Wise Co.

Use(s): Aquatic Life

Cause(s) /

VA Category: Benthic-Macroinvertebrate Bioassessments / 5A

The biological monitoring station at 6ADOT000.46 was impaired based on VSCI scores.

Dotson Creek	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Benthic-Macroinvertebrate Bioassessments - Total Impaired Size by Water Type:			3.81

Sources:

Coal Mining

Surface Mining