



Final 2016 Integrated Report-All Assessed Waters

Upper Broad River Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Upper Broad River Subbasin 03050105

Broad River Basin

Beason Creek

From source to Buffalo Creek

9-53-8

C

10.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Beaverdam Creek

From source to First Broad River

9-50-32

C

9.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Big Camp Creek (Camp Creek)

From a point 0.5 mile upstream of mouth of Crawley Branch to Second Broad River

9-41-11-(2.5)

WS-IV

5.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Big Harris Creek

From source to First Broad River

9-50-25

WS-IV

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Brier Creek

From source to First Broad River

9-50-8

C;Tr

6.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1



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Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Brights Creek From source to Rash Creek
9-29-38-1 C;Tr 5.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Britten Creek From source to Green River
9-29-43 C 6.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

BROAD RIVER From source to Pool Creek, including backwaters of Lake Lure below elevation 991
9-(1) C;Tr 19.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

BROAD RIVER From Carolina Mountain Power Company to US 64/74
9-(22)a C 1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

BROAD RIVER From US 64/74 to Cove Creek
9-(22)b1 C 6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Upper Broad River Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
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BROAD RIVER

From Cove Creek to Rutherford County SR 1167

9-(22)b2

C

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

BROAD RIVER

From a point 0.2 mile downstream of Rutherford County SR 1145 to Green River

9-(25.5)a

WS-IV

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

BROAD RIVER

From Green River to a point 0.5 mile upstream of the Town of Forest City proposed water supply intake

9-(25.5)b

WS-IV

8.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Assessment Unit Name	Assessment Unit Description		
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BROAD RIVER

From a point 0.5 mile upstream of the Town of Forest City proposed water supply intake to Town of Forest City proposed water supply intake

9-(34.5)

WS-IV;CA

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

BROAD RIVER

From Town of Forest City proposed water supply intake to a point approximately 0.3 mile downstream of Cane Creek

9-(36.5)

C

5.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Upper Broad River Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

BROAD RIVER

From a point approximately 0.3 mile downstream of Cane Creek to a point 0.5 mile upstream of the Town of Shelby proposed water supply intake.

9-(40.5)

WS-IV

9.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

BROAD RIVER

From Town of Shelby proposed water supply intake to North Carolina-South Carolina State Line

9-(49.75)

C

3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

BROAD RIVER (Lake Lure below elevation 991) From Pool Creek to Carolina Mountain Power Company Dam

9-(17) B;Tr 716.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Brushy Creek From source to First Broad River

9-50-29 C 14.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Buffalo Creek From source to Lake Lure, Broad River

9-20 C;Tr 4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Buffalo Creek From source to a point 0.3 mile upstream of Long Creek

9-53-(1) WS-III 20.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



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Upper Broad River Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Buffalo Creek

From dam at Kings Mountain Reservoir to North Carolina-South Carolina State Line

9-53-(5)

C

9.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Buffalo Creek (Kings Mountain Reservoir)

From a point 0.3 mile upstream of Long Creek to dam at Kings Mountain Reservoir, Buffalo Creek

9-53-(2.9)

WS-III;CA

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Cane Creek

From mouth of Fork Creek to Second Broad River

9-41-12-(5.5)

WS-IV

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Case Branch (Cox Branch)

From source to Hollands Creek

9-41-13-7-4

C

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Catheys Creek

From source to 0.4 miles downstream of Rutherford County SR 1538

9-41-13-(0.5)

WS-V

15.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Catheys Creek

From 0.4 miles downstream of Rutherford County SR 1538 to confluence with Hollands Creek

9-41-13-(6)a

C

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Catheys Creek

From confluence with Hollands Creek to S. Broad R.

9-41-13-(6)b

C

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

Cedar Creek

From source to SR 1008

9-23-14a

C;Tr

8.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cedar Creek

From SR 1008 to Cove Creek

9-23-14b

C;Tr

3.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Cleghorn Creek

From source to Stonecutter Creek

9-26-(0.5)a

C

3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Cleghorn Creek

From Stonecutter Creek to 90 meters south of Baber Road

9-26-(0.5)b

C

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Cleghorn Creek

From 90 meters south of Baber Road to the Broad River

9-26-(0.75)

WS-IV

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Cove Creek

From Greasy Creek to Cedar Creek

9-23-(9)a

C

9.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cove Creek

From Cedar Creek to Broad River

9-23-(9)b

C

5.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Cove Creek

From source to Green River

9-29-34

C;Tr

6.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Upper Broad River Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Davis Creek

From source to Lake Summit, Green R.

9-29-19

B;Tr

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1



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Broad River Basin

Assessment Unit Name	Assessment Unit Description		
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Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Duncans Creek

From source to First Broad River

9-50-13

C

10.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Assessment Unit Name	Assessment Unit Description		
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East Branch Mountain Creek

From source to Mountain Creek

9-25-2

C

6.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

First Broad River

From source to Cleveland County SR 1530

9-50-(1)

WS-V;Tr

15.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (10 NTU, AL, Tr)	3a
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	No Asmnt of Thermal Vari	Water Temperature (20°C, AL, Tr)	3a



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Assessment Unit Name	Assessment Unit Description		
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First Broad River

From Cleveland County Sanitary District Raw Water Supply Intake (just below Knob Creek) to a point 1.0 mile upstream of Shelby downstream Raw Water Intake

9-50-(19.5)

WS-IV

16.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

First Broad River

From Shelby Downstream Raw Water Intake to Broad River

9-50-(28)

C

14.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Floyds Creek

From source to Broad River

9-37

C

12.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Green River (Lake Summit below elevation 2011)

From Rock Creek to Lake Summit

9-29-(12.5)a

B;Tr

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Green River (Lake Summit below elevation 2011)

Lake Summit

9-29-(12.5)b

B;Tr

232.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Green River Lower Lake Summit

From a line projected across Lake Summit from upstream side of mouth of Jones Creek to point of land on north shore to dam

9-29-(22)a

C;Tr

63.2 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1

Green River, including Lake Adger below elevation 913)

From Cove Creek to 300 feet downstream of Laurel Branch

9-29-(33)

C

36.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Green River, including Lake Adger below elevation 913)

From a point approximately 0.4 miles downstream of White Oak Creek River to Broad River

9-29-(47)

WS-IV

1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Upper Broad River Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hickory Creek

From source to First Broad River

9-50-30

C

9.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Hinton Creek

From source to First Broad River

9-50-15

C

13.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Hollands Creek

From source to Duke Power Co. old Auxiliary Raw Water Supply Intake

9-41-13-7-(1)

WS-V

3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Hollands Creek

From Duke Power Co. old Auxiliary Raw Water Supply Intake to Case Branch

9-41-13-7-(3)a

C

0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Hollands Creek

From Case Branch to Catheys Creek

9-41-13-7-(3)b

C

2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Upper Broad River Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hungry River

From source to Green River

9-29-30

C;Tr

12.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Broad River Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Jakes Branch

From source to Buffalo Creek

9-53-9

C

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Broad River Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Joe Creek

From source to Green River

9-29-14

B;Tr

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Broad River Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Kings Creek

From source to North Carolina-South Carolina State Line

9-54

C

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Knob Creek (Big Knob Creek)

From a point 0.3 mile downstream of Adams Creek to a point 0.6 mile upstream of mouth

9-50-19-(2.5)

WS-IV

8.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Knob Creek (Big Knob Creek)

From a point 0.6 mile upstream of mouth to First Broad River

9-50-19-(4)

WS-IV;CA

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Lick Branch

From source to Buffalo Creek

9-53-11

C

3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Little Harris Creek

From source to Big Harris Creek

9-50-25-1

WS-IV

3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Little Whiteoak Creek

From source to Whiteoak Creek

9-29-46-1

C

8.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Broad River Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mill Creek

From source to Catheys Creek

9-41-13-3

WS-V

4.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Mountain Creek

From a point 0.5 mile downstream of U.S. Hwys. 64&74 to a point 0.4 mile upstream of mouth

9-25-(3.5)

WS-IV

6.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Muddy Fork

From source to Buffalo Creek

9-53-6

C

13.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

North Fork First Broad River

From source to First Broad River

9-50-4

C;Tr,ORW

7.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

North Pacolet River

From source to North Carolina Highway # 108 Bridge at Lynn

9-55-1-(1)

C;Tr

10.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Broad River Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North Pacolet River From North Carolina Highway # 108 at Lynn to North Carolina-South Carolina State Line

9-55-1-(10) C 7.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Ostin Creek (Grease Creek) From source to Lake Adger, Green R.

9-29-41 C;Tr 6.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Panther Creek From source to Lake Adger, Green R.

9-29-39 C;Tr 2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Reedypatch Creek From source to Broad River

9-15 C;Tr 5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Roberson Creek (Robinson Creek) From source to Second Broad River

9-41-14 WS-V 12.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Rotten Creek From source to Lake Adger, Green R.

9-29-40 C;Tr 3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Upper Broad River Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Sandy Run Creek From source to a point approximately 0.7 mile upstream of SR 1168
9-46-(1) C 10.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Sandy Run Creek From a point approximately 0.7 mile upstream of SR 1168 to Broad River
9-46-(3.5) WS-IV 12.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Second Broad River From source to a point 0.4 mile downstream of Rutherford County SR 1504
9-41-(0.5) WS-V 15.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Second Broad River From a point 0.4 mile downstream of Rutherford County SR 1504 to Cane Creek
9-41-(10.5)a WS-IV 5.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Broad River Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Second Broad River

From Cane Creek to a point 0.8 mile upstream of mouth of Catheys Creek

9-41-(10.5)b

WS-IV

4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Second Broad River

From a point 0.6 mile upstream of Webbs Creek to a point 0.5 mile upstream of Cone Mills Water Supply Intake

9-41-(21.5)

WS-IV

10.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Upper Broad River Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Second Broad River

From Cone Mills Water Supply Intake to Broad River

9-41-(24.7)

WS-IV

2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Silver Creek

From source to Lake Adger, Green R.

9-29-42

C;Tr

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Upper Broad River Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Sugar Branch

From source to Beaverdam Creek

9-50-32-3

C

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Taylor Creek

From source to Cedar Creek

9-23-14-3

C;Tr

4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Vaughn Creek (North Carolina Portion)

From North Carolina-South Carolina State Line to North Pacolet River

9-55-1-12

C

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

Upper Broad River Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Walnut Creek

From source to Green River

9-29-44

C

11.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Wards Creek

From source to First Broad River

9-50-12

C

10.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Whiteoak Creek

From source to Green River

9-29-46

C

18.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Upper Broad Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Green River (Lake Adger below elevation 913)

From a point 0.35 miles downstream of Rash Creek to dam at Lake Adger

9-29-(38.5)

WS-IV; CA

0.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Mercury (0.012 µg/l, FC, FW)	3a
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

UT to Big Harris Creek

Source to Big Harris Creek

9-50-25ut3

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

UT to Big Harris Creek

Source to Big Harris Creek

9-50-25ut4

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

UT to Little Harris Creek

Source to Little Harris Creek

9-50-25-1ut5

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Broad Subbasin

Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to UT to Big Harris Creek

Source to UT to Big Harris Creek

9-50-25ut4ut1

1.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Nottoway River Subbasin 03010201

Chowan River River Basin

CHOWAN RIVER

From North Carolina-Virginia State Line to near Riddickville

25a1

B;NSW

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Arsenic (10 µg/l, HH, NC)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a



Final 2016 Integrated Report-All Assessed Waters

Nottoway River Subbasin

Chowan River River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CHOWAN RIVER

From near Riddicksville to Deep Creek

25a2a

B;NSW

24.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	pH (6 su, AL, FW)	3a
Data Inconclusive	> 10% and < 90% conf	Dissolved Oxygen (4 mg/l, AL, FW)	3a
Data Inconclusive	> 10% and < 90% conf	Cadmium (2 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Exceeding Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Ahoskie Creek (Ahoskie Swamp, Bear Swamp)

From source to Wiccacon River

25-14-1a

C;NSW

33.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



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Chowan River Subbasin

Chowan River River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Ahoskie Creek (Ahoskie Swamp, Bear Swamp)

From Stoney Creek to Wiccacon River

25-14-1b

C;NSW

6.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Bennetts Creek (Merchants Millpond)

From source to Chowan River

25-17

C;NSW

23.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a

Chinkapin Creek (Cessons Millpond)

From source to Wiccacon River

25-14-3

C;NSW

7.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1

CHOWAN RIVER

From Deep Creek to Wiccacon River

25a2b

B;NSW

9.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Chowan River Subbasin

Chowan River River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CHOWAN RIVER

From Wiccacon River to the subbasin 03-01-01/03-01-03 boundary

25a2c

B;NSW

4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Chowan River Subbasin

Chowan River River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CHOWAN RIVER

From the Subbasin 03-01-01/03-01-03 boundary to the Subbasin 03-01-03/03-01-04 Boundary

25b

B;NSW

14.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Chowan River Subbasin

Chowan River River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CHOWAN RIVER

From the Subbasin 03-01-03/03-01-04 Boundary to mouth defined by a line extending in a southerly direction from Reedy Point on the north shore of Albemarle Sound to a point of land on the south side of the mouth of Black Walnut Swamp

25c

B;NSW

7.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Cole Creek (Lilleys Millpond)

From source to Sarem Creek

25-12-7

C;NSW

9.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1



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Chowan River Subbasin

Chowan River River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cricket Swamp

From source to Salmon Creek

25-24-2

C;NSW

8.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (6 su, AL, FW)	5
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1



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Chowan River Subbasin

Chowan River River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Duke Swamp

From source to Bennetts Creek

25-17-1

C;NSW

13.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1



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Chowan River Subbasin

Chowan River River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Eastmost Swamp

From source to Salmon Creek

25-24-1

C;NSW

9.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Meherrin River

From a point 1.0 mile upstream from U.S. Highway 258 to Chowan River

25-4-(5)

B;NSW

11.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Dissolved Oxygen (4 mg/l, AL, FW)	3a
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Chowan River Subbasin

Chowan River River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Salmon Creek

From source to Chowan River

25-24

C;NSW

11.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Stony Creek

From source to Ahoskie Creek

25-14-1-6

C;NSW

2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Wiccacon River (Hoggard Swamp)

From source to Chowan River

25-14

C;NSW

22.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Cutawhiskie Swamp

From source to Potecasi Creek

25-4-8-8

C;NSW

17.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Ivy Creek

From source to Jordans Millpond, Cypress Creek

25-4-3-1

C;NSW

1.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Kirbys Creek

From source to Meherrin River

25-4-4

C;NSW

13.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1



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Meherrin River Subbasin

Chowan River River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Potecasi Creek

From Cutawhiskie Creek to Wildcat Swamp

25-4-8a

C;NSW

4.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Meherrin River Subbasin

Chowan River River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Potecasi Creek

From Wildcat Swamp to Meherrin River

25-4-8b

C;NSW

38.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1



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Meherrin River Subbasin

Chowan River River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Meeting Criteria	Natural Conditions	pH (NA, AL, swamp)	1nc
Meeting Criteria	Natural Conditions	Dissolved Oxygen (4 mg/l, AL, FW)	1nc

Urahaw Swamp

From source to Potecasi Creek

25-4-8-4

C;NSW

14.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

UT to Corduroy Swamp (Taylors Millpond)

From source to Corduroy Swamp

25-4-4-1ut8

3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1



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Meherrin River Subbasin

Chowan River River Basin

Assessment Unit Name	Assessment Unit Description	Assessment Unit Number	Water Quality Classification	Length/Area	Units
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Wiccacanee Swamp

From source to Potecasi Creek

25-4-8-1.5

C;NSW

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Meherrin River Subbasin

Chowan River River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

New River Subbasin 03020302

Cape Fear River Basin

Atlantic Ocean

From the mouth of the Cape Fear River around Cape Fear to Dolphin Court in Kure Beach

99-(3)a

SB

14.5 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



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New River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bald Head Creek

From DMF SS Station B2-18Z to Cape Fear River

18-88-8-4b

SA;HQW

50.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Back Creek (Graham-Mebane Reservoir)

From .3 mile upstream of NC Hwy 119 to dam at Graham-Mebane Res to SR1917

16-18-(1.5)a1

WS-II;HQW,NSW,CA

132.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (25 NTU, AL, FW acres & SW)	5
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t

Back Creek (Graham-Mebane Reservoir)

From .3 mile upstream of NC Hwy 119 to 0.3 miles upstream of dam.

16-18-(1.5)a2a

WS-II;HQW,NSW,CA

355.1 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Back Creek (Graham-Mebane Reservoir)

From 0.3 miles upstream of dam. Dam at Graham-Mebane Res excluding Quaker Arm of Reservoir above SR1927 and above SR1917

16-18-(1.5)a2b

WS-II;HQW,NSW,CA

84.6 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3i
Data Inconclusive	> 10% and < 90% conf	Total Nitrogen	3t
Data Inconclusive	> 10% and < 90% conf	Total Phosphorus	3t
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1

Back Creek (Graham-Mebane Reservoir)

Quaker Creek Arm of Graham-Mebane Reservoir

16-18-(1.5)b

WS-II;HQW,NSW,CA

113.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t
Exceeding Criteria	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	5e

Big Alamance Creek (Alamance Cr)(Lk Macintosh)

From a point 2.4 miles downstream of Guilford County SR 3045 to dam at Lake Macintosh

16-19-(2.5)

WS-IV;NSW,CA

67.7 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Big Alamance Creek (Alamance Cr)(Lk Macintoch) From Dam at Lake Macintosh to confluence with Stinking Quarter Creek
16-19-(4.5)a WS-V;NSW 5.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Big Alamance Creek (Alamance Cr)(Lk Macintoch) From confluence with Stinking Quarter Creek to Haw River
16-19-(4.5)b WS-V;NSW 4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Big Alamance Creek (Alamance Creek)

From source to a point 2.4 miles downstream of Guilford County SR 3045

16-19-(1)

WS-IV;NSW

18.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Bolin Creek

From US Hwy 501 Business to Little Creek

16-41-1-15-1-(4)

WS-IV;NSW

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Bolin Creek (Hogan Lake)

From source to Pathway Drive

16-41-1-15-1-(0.5)a

WS-V;NSW

5.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Bolin Creek (Hogan Lake)

From Pathway Drive to US Hwy 501 Business

16-41-1-15-1-(0.5)b

WS-V;NSW

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Booker Creek

From dam at eastwood Lake to US Hwy 15

16-41-1-15-2-(4)

WS-V;NSW

1.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Booker Creek

From US Hwy 15 to Little Creek

16-41-1-15-2-(5)

WS-IV;NSW

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Booker Creek (East-wood Lake)

From source to dam at Eastwood Lake

16-41-1-15-2-(1)

WS-V,B;NSW

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Brooks Creek (Branch)

From source to Haw River

16-36

WS-IV,B;NSW

7.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Brush Creek

From source to UT at SR 2085

16-11-4-(1)a1

WS-III;NSW

2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Brush Creek

From UT at SR 2085 to UT 0.3 miles downstream fo SR 3820

16-11-4-(1)a2

WS-III;NSW

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Brush Creek

From UT 0.3 miles downstream of SR 3820 to a point 0.5 mile downstream of Guilford County SR 2190

16-11-4-(1)a3

WS-III;NSW

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

Brush Creek

From source to a point 0.5 mile downstream of Guilford County SR 2190

16-11-4-(1)b

WS-III;NSW

141.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	5
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1

Brush Creek(Lake Higgins)

From a point 0.5 mile downstream of Guilford SR 2190 to Lake Brandt, Reedy Fork

16-11-4-(2)

WS-III;NSW,CA

79.2 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Buttermilk Creek From source to Stony Creek

16-14-5 WS-II;HQW,NSW 9.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Cane Creek (Cane Creek Reservoir) From a point 0.4 miles upstream of Turkey Creek to UT 0.5 miles downstream of SR 1114

16-27-(2.5)a WS-II;HQW,NSW,CA 1.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Cane Creek (Cane Creek Reservoir) From UT 0.5 miles downstream of SR1114 to Toms Creek

16-27-(2.5)b1 WS-II;HQW,NSW,CA 150.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1i
Meeting Criteria	< 10%	Total Nitrogen	1t
Meeting Criteria	< 10%	Total Phosphorus	1t

Cane Creek (Cane Creek Reservoir) From 0.6 miles upstream of dam to dam at Cane Creek Reservoir

16-27-(2.5)b3 WS-II;HQW,NSW,CA 150.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not assessed	Chlorophyll a (40 µg/l, AL, NC)	3i
Data Inconclusive	Not assessed	Total Nitrogen	3t
Data Inconclusive	Not assessed	Total Phosphorus	3t

Collins Creek From source to a point 0.6 miles downstream of SR 1006

16-30-(0.5)a WS-V;NSW 3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Collins Creek From source to a point 0.8 miles downstream of SR 1005
16-30-(0.5)b WS-V;NSW 5.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Collins Creek From a point 0.8 miles downstream of Orange County SR 1005 to Haw River
16-30-(1.5) WS-IV;NSW 3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Dry Creek

From source to Haw River

16-13

WS-V;NSW

4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Dry Creek

From a point 0.3 miles downstream of Chatham County SR 1506 to Haw River

16-34-(0.7)

WS-IV;NSW

10.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Haw Creek

From N.C. Hwy. 54 to Haw River

16-20-(4)

WS-V;NSW

3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

HAW RIVER

From source to SR 2109

16-(1)a

WS-V;NSW

7.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

HAW RIVER

From SR 2426 to Troublesome Creek at US29

16-(1)c1

WS-V;NSW

7.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

HAW RIVER

From Troublesome Creek to 0.9 miles downstream of Troublesome Creek

16-(1)c2

WS-V;NSW

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

HAW RIVER

From a point 0.5 mile downstream of SR2711 to a point 0.1 mile upstream of SR2712

16-(10)

WS-IV;NSW,CA

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

HAW RIVER

From a point 0.1 mile upstream of SR2712 to NC 87

16-(10.5)a

WS-V;NSW

4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

HAW RIVER

From NC 87 to Reedy Fork

16-(10.5)b

WS-V;NSW

1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3i
Data Inconclusive	> 10% and < 90% conf	Total Suspended Solids	3t
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

HAW RIVER

From Reedy Fork to Service Creek

16-(10.5)c

WS-V;NSW

10.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

HAW RIVER

From Service Creek to a NC 49

16-(10.5)d

WS-V;NSW

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3i
Data Inconclusive	> 10% and < 90% conf	Total Suspended Solids	3t
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

HAW RIVER

From NC 49 to a point 0.4 mile downstream of Cane Creek (South side of Haw River)

16-(10.5)e

WS-V;NSW

18.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

HAW RIVER

From a point 0.4 miles downstream of Cane Creek (South side of Haw River) to Town of Pittsboro water supply intake

16-(28.5)

WS-IV;NSW

10.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

HAW RIVER

From the Town of Pittsboro water supply intake, which is located approximately 0.15 mile west of U.S. 15/501, to a point 0.5 mile upstream of the Town of Pittsboro water supply intake.

16-(28.75)

WS-IV;NSW,CA

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

HAW RIVER

From the Town of Pittsboro water supply intake (located approximately 0.15 mile west of U.S. 15/501) to a point 0.4 mile downstream of Brooks Branch.

16-(28.875)

WS-IV;NSW

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

HAW RIVER

From Pittsboro water supply intake to a point 0.5 mile downstream of U.S. Hw. 64

16-(36.7)

WS-IV;NSW

3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

HAW RIVER

From dam at B. Everett Jordan Lake to Cape Fear River (junction with Deep River)

16-(42)

WS-IV

4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

HAW RIVER

From a point 0.9 miles downstream of Troublesome Creek to a point 0.5 miles downstream of SR2711

16-(6.5)

WS-IV;NSW

9.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Haw River (B. Everett Jordan Lake below normal pool elevatio

From approximately 1.0 mile below U.S. Hwy. 64 to downstream of Stinking Creek Arm

16-(37.5)a1

WS-IV,B;NSW,CA

694.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosporus	4t
Data Inconclusive	> 10% and < 90% conf	Total Suspended Solids	3t
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3i
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1i
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Haw River (B. Everett Jordan Lake below normal pool elevatio

From downstream of Stinking Creek Arm to dam at B. Everett Jordan Lake

16-(37.5)a2

WS-IV,B;NSW,CA

651.3 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Total Suspended Solids	3t
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3i
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1i
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1i
Meeting Criteria	< 10%	Total Nitrogen	1t
Meeting Criteria	< 10%	Total Phosporus	1t
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Haw River (B. Everett Jordan Lake below normal pool elevatio Robeson Creek Arm of Jordan Reservoir

16-(37.5)b

WS-IV,B;NSW,CA

47.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3i
Data Inconclusive	> 10% and < 90% conf	Total Phosporus	3t
Data Inconclusive	> 10% and < 90% conf	Total Nitrogen	3t
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1i
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1i
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Horsepen Creek From source to Ballinger Road
16-11-5-(0.5)a WS-III;NSW 1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Horsepen Creek From Ballinger Road to U.S. Hwy 220
16-11-5-(0.5)b WS-III;NSW 3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Horsepen Creek From U.S. Hwy 220 to Lake Brandt, Reedy Fork
16-11-5-(2) WS-III;NSW,CA 1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Jordan Creek

From source to a point 0.7 mile upstream of mouth

16-14-6-(0.5)

WS-II;HQW,NSW

10.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Kit Creek

From a point 1.3 miles upstream of NC Hwy 55 to Northeast Creek

16-41-1-17-2-(0.7)

WS-IV;NSW

4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Alamance Creek (Gant Lake, Mays Lake)(Alamance County) From source to Big Alamance Creek

16-19-11 WS-V;NSW 12.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4b

Little Alamance Creek (Guilford County) From source to a point 0.3 mile downstream of Guilford County SR 3073

16-19-3-(0.5) WS-IV;NSW 15.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Little Alamance Creek(Guilford County) From a point 0.3 mile downstream of Guilford County SR 3073 to Rock Creek

16-19-3-(4.5)a WS-IV;NSW,CA 1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Little Creek From source to a point 0.7 mile downstream of Durham County SR 1110

16-41-1-15-(0.5) WS-IV;NSW 4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Little Troublesome Creek From source to Reidsville WWTP

16-7-(1)a WS-V;NSW 3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Troublesome Creek

From Reidsville WWTP to SR2600

16-7-(1)b

WS-V;NSW

5.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1t
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1t
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Cyanide (5 mg/L, AL, FW)	3t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	MBAS (500 µg/l, WS, WS)	3t
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Chlorine (17 µg/l, AL, NC)	3t



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Troublesome Creek

From SR2600 to Haw River

16-7-(2)

WS-IV;NSW

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1t
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1t
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Chlorine (17 µg/l, AL, NC)	3t
Data Inconclusive	Not assessed	MBAS (500 µg/l, WS, WS)	3t
Data Inconclusive	Not assessed	Cyanide (5 mg/L, AL, FW)	3t

Marys Creek

From source to Haw River

16-26

WS-V;NSW

10.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Moadams Creek (Latham Lake)

From source to Back Creek

16-18-7

WS-V;NSW

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Morgan Creek

From source to a point 1.4 miles downstream of NC Hwy 54

16-41-2-(1)

WS-II;HQW,NSW

7.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Morgan Creek

From Orange County SR 1919 to Meeting of the Waters

16-41-2-(5.5)a

WS-IV;NSW

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Morgan Creek

From Meeting of the Waters to Chatham County SR 1726 (Durham County SR 1109)

16-41-2-(5.5)b

WS-IV;NSW

4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Mercury (0.012 µg/l, FC, FW)	3a
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Morgan Creek (including the Morgan Creek Arm of New Hope River Arm of B. Everett Jordan Lake)

From Chatham County SR 1726 (Durham County SR 1109) to New Hope Creek Arm of New Hope River Arm of B. Everett Jordan Lake

16-41-2-(9.5)

WS-IV;NSW,CA

836.2 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Total Suspended Solids	4t
Exceeding Criteria	> 10% and >90 conf	Turbidity (25 NTU, AL, FW acres & SW)	4i
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1i

Morgan Creek (University Lake)

From a point 1.4 miles downstream of NC Hwy 54 to dam at University Lake

16-41-2-(1.5)

WS-II;HQW,NSW,CA

163.2 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	4i
Data Inconclusive	> 10% and >90 conf N<10	Total Nitrogen	4t
Data Inconclusive	> 10% and >90 conf N<10	Total Phosphorus	4t

New Hope Creek

From source to Sandy Creek

16-41-1-(0.5)a

WS-V;NSW

17.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

New Hope Creek From a point 0.3 mile upstream of Durham County SR 2220 to SR 2220
16-41-1-(11.5)a WS-IV;NSW 0.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

New Hope Creek

From SR 2220 to I 40

16-41-1-(11.5)b

WS-IV;NSW

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	4c
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

New Hope Creek From I-40 to a point 0.8 mile downstream of Durham County SR 1107
16-41-1-(11.5)c WS-IV;NSW 4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Mercury (0.012 µg/l, FC, FW)	3a
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4c
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

New Hope Creek (including New Hope Creek Arm of New Hope River Arm of B. Everett Jordan Lake)

From a point 0.8 mile downstream of Durham County SR 1107 to confluence with Morgan Creek Arm of New Hope River Arm of B. Everett Jordan Lake

16-41-1-(14)

WS-IV;NSW,CA

1,415.7 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Suspended Solids	4t
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Turbidity (25 NTU, AL, FW acres & SW)	4i
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1i

New Hope River Arm of B. Everett Jordan Lake (below normal pool elevation)

From source at confluence of Morgan Creek and New Hope Creek Arm of B. Everett Jordan Lake (a east-west line across the southern tip of the formed peninsula) to Chatham Co

16-41-(0.5)

WS-IV,B;NSW,CA

1,199.8 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

New Hope River Arm of B. Everett Jordan Lake (below normal pool elevation) From Chatham County SR 1008 to to White Oak Creek Arm

16-41-(3.5)a1 WS-IV,B;NSW,CA 2,234.7 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

New Hope River Arm of B. Everett Jordan Lake (below normal pool elevation) From White Oak Creek Arm to US 64

16-41-(3.5)a2 WS-IV,B;NSW,CA 337.2 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

New Hope River Arm of B. Everett Jordan Lake (below normal pool elevation) From US 64 to Haw River Arm of B. Everett Jordan Lake, Haw River

16-41-(3.5)a3

WS-IV,B;NSW,CA

3,101.4 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1i
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Total Nitrogen	1t
Meeting Criteria	< 10%	Total Phosphorus	1t
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North Buffalo Creek

From source to Philadelphia Lake

16-11-14-1a1

WS-V;NSW

7.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Hardness (100 mg/L, WS, WS)	4v
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North Buffalo Creek

From Philadelphia Lake to North Buffalo Creek WWTP

16-11-14-1a2

WS-V;NSW

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North Buffalo Creek

From North Buffalo Creek WWTP to Buffalo Creek

16-11-14-1b

WS-V;NSW

8.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Zinc (50 µg/l, AL, FW)	5
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Exceeding Criteria	> 10% and >90 conf	NO2+NO3-N (10 mg/l, WS, WS)	5
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Data Inconclusive	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	4s
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North Prong Stinking Quarter Creek

From source to Stinking Quarter Creek

16-19-8-1

WS-V;NSW

18.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Northeast Creek

From US Hwy 55 to Durham Triangle WWTP

16-41-1-17-(0.7)a

WS-IV;NSW

3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	4c
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Northeast Creek

From Durham Triangle WWTP to Kit Creek

16-41-1-17-(0.7)b1

WS-IV;NSW

3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Zinc (50 µg/l, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Northeast Creek

From Kit Creek to a point 0.5 mile downstream of Panther Creek

16-41-1-17-(0.7)b2

WS-IV;NSW

3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Zinc (50 µg/l, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Data Inconclusive	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Pokeberry Creek

From source to Haw River

16-37

WS-IV;NSW

8.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Reedy Fork

From source to UT 0.7 miles downstream of SR 2128

16-11-(1)a

WS-III;NSW

8.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

Reedy Fork

From SR 2128 to a point 0.4 mile downstream of Moores Creek

16-11-(1)b

WS-III;NSW

4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

Reedy Fork (Hardys Mill Pond)

From UT at SR 2782 to UT at SR 2778

16-11-(9)a2

WS-V;NSW

2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Reedy Fork (Hardys Mill Pond)

From Ut at SR 2778 to Buffalo Creek

16-11-(9)a3

WS-V;NSW

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Reedy Fork (Hardys Mill Pond)

From Buffalo Creek to Haw River

16-11-(9)b

WS-V;NSW

8.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	3e
Exceeding Criteria	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Reedy Fork(including Lake Brandt and Lake Townsend below nor

16-11-(3.5)a

WS-III;NSW,CA

760.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1

Reedy Fork(including Lake Brandt and Lake Townsend below nor

16-11-(3.5)b1

WS-III;NSW,CA

105.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	5
Exceeding Criteria	> 10% and >90 conf	Turbidity (25 NTU, AL, FW acres & SW)	5
Data Inconclusive	> 10% and < 90% conf	Water Temperature (32°C, AL, LP&CP)	3a
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Reedy Fork(including Lake Brandt and Lake Townsend below nor

16-11-(3.5)b2

WS-III;NSW,CA

336.1 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Data Inconclusive	> 10% and < 90% conf	Water Temperature (32°C, AL, LP&CP)	3a
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Reedy Fork(including Lake Brandt and Lake Townsend below nor Lake Townsend from bridge to dam

16-11-(3.5)b3

WS-III;NSW,CA

963.6 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Robeson Creek

From a point 0.7 mile downstream of Chatham County SR 2159 to Pittsboro Lake

16-38-(3)a

WS-IV;NSW

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Robeson Creek

Pittsboro Lake

16-38-(3)b

WS-IV;NSW

16.7 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1

Robeson Creek

From Pittsboro Lake to UT across from SR 1951

16-38-(3)c

WS-IV;NSW

2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Robeson Creek

From UT across from SR 1951 to Jordan Reservoir

16-38-(3)d

WS-IV;NSW

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Rock Creek

From source to Stinking Quarter Creek

16-19-8-3

WS-V;NSW

11.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Buffalo Creek

From source to McConnell Rd

16-11-14-2a

WS-V;NSW

15.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

South Buffalo Creek

From McConnell Rd to US 70

16-11-14-2b

WS-V;NSW

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Buffalo Creek

From US 70 to Buffalo Creek

16-11-14-2c

WS-V;NSW

4.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Zinc (50 µg/l, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (25 µg/l, WS, WS)	3a
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Exceeding Criteria	< 10%	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1i
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	BOD	1t
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	4s
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Cyanide (5 mg/L, AL, FW)	3t



Final 2016 Integrated Report-All Assessed Waters

Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Data Inconclusive	Not assessed	Selenium (5 µg/l, AL, FW)	3t
Data Inconclusive	Not assessed	Flouride (1.8 mg/l, AL, FW)	3t
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

South Prong Stinking Quarter Creek

From dam at Kimesville Lake to Stinking Quarter Creek

16-19-8-2-(2)

WS-V;NSW

8.3 FW Miles

<i>Assessment Criteria Status</i>	<i>Reason for Rating</i>	<i>Parameter of Interest</i>	<i>Category</i>
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Stagg Creek

From source to a point 0.3 mile downstream of NC Hwy 119

16-18-2-(0.5)

WS-II;HQW,NSW

7.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Stinking Quarter Creek

from source to Big Alamance Creek

16-19-8

WS-V;NSW

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Stony Creek (Lake Burlington)

From source to Benton Branch

16-14-(1)a

WS-II;HQW,NSW

4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Stony Creek (Lake Burlington)

From Benton Branch to backwaters of Lake Burlington

16-14-(1)b

WS-II;HQW,NSW

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Stony Creek (Lake Burlington)

Lake Burlington

16-14-(1)c

WS-II;HQW,NSW

738.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1

Stony Creek (Stony Creek Reservoir)

From Buttermilk Creek to 0.4 miles upstream of dam

16-14-(5.5)a

WS-II;HQW,NSW,CA

84.6 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a

Stony Creek (Stony Creek Reservoir)

From 0.4 miles upstream of dam to dam at Stony Creek Reservoir

16-14-(5.5)b

WS-II;HQW,NSW,CA

33.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Tanbark Branch

From source to Bolin Creek

16-41-1-15-1-3

WS-V;NSW

1.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Terrells Creek (Ferrells Creek) (North Side Haw River)

From source to Haw River

16-32

WS-IV;NSW

7.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Terrells Creek (South Side Haw River)

From Cattail Creek to Haw River

16-31-(2.5)

WS-IV;NSW

6.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Third Fork Creek

From source to a point 2.0 miles upstream of NC Hwy. 54

16-41-1-12-(1)

WS-V;NSW

5.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Zinc (50 µg/l, AL, FW)	5
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	4s
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Third Fork Creek

From a point 2.0 miles upstream of NC HWY. 54 to New Hope Creek

16-41-1-12-(2)

WS-IV;NSW

3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Suspended Solids	4t
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	4i
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	4s
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Tickle Creek (Trickle Creek)

From source to Travis Creek

16-12-1

WS-V;NSW

5.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Town Branch

From source to Haw River

16-17

WS-V;NSW

4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Travis Creek

From source to Haw River

16-12

WS-V;NSW

7.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Troublesome Creek

From source to Rockingham County SR 2423

16-6-(0.3)

WS-III;NSW

16.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Troublesome Creek

From dam at Lake Reidsville to Haw River

16-6-(3)

WS-V;NSW

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Troublesome Creek (Lake Reidsville)

From Rockingham County SR 2423 to dam at Lake Reidsville (City of Reidsville water supply intake)

16-6-(0.7)

WS-III;NSW,CA

667.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1

Turkey Creek

From source to Robeson Creek

16-38-4

WS-IV;NSW

4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Unnamed Tributary at Guilford College

From source to dam at Guilford College bathing lake

16-11-5-1-(1)

WS-III,B;NSW

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Unnamed Tributary at Guilford College

From dam at Guilford College bathing lake to Horsepen Creek

16-11-5-1-(2)

WS-III;NSW

1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Unnamed Tributary to Troublesome Creek (Lake Hunt)

From source to dam at Lake Hunt

16-6-2-(1)

WS-III,B;NSW

176.4 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1

UT HAW R

Source to HAW R

16-(1)cut31

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Ut to Haw River

From source to Haw River

16-(1)d2ut12

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

UT to Little Alamance Creek (Coble Branch)

Source to Little Alamance Creek at Mays Lake

16-19-11ut3

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

UT to Robeson Creek

Source to Robeson Creek

16-38-(3)cut6

4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Varnals Creek

From source to Rock Creek

16-21a

WS-V;NSW

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Varnals Creek

From Rock Creek to Haw River

16-21b

WS-V;NSW

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Well Creek

From source to Cane Creek

16-28-1

WS-V;NSW

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



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Haw River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

White Oak Creek From a point 0.6 mile upstream of Jacks Branch to a point 0.3 mile upstream of NC Hwy 751
16-41-6-(0.7) WS-IV;NSW 5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Bear Creek From a source to a point 0.5 mile upstream of Cabin Creek
17-26-(1) WS-III 14.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Bear Creek From Robbins water supply intake to Deep River
17-26-(6) C 6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bear Creek From SR 2189 to SR 2187

17-43-16b C 2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Bear Creek From SR 2187 to Rocky River

17-43-16c C 7.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Big Buffalo Creek From source to Deep River

17-40 C 8.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Big Governors Creek

From source to Deep River

17-32

C

15.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Brush Creek

From source to Little Brush Creek

17-23a

C

19.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Brush Creek

From Little Brush Creek to Deep River

17-23b

C

5.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Buffalo Creek

From source to Deep River

17-28

C

16.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Bull Run

From a source to a point 0.5 mile upstream of mouth

17-5-(1)

WS-IV:*

7.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bull Run From a point 0.5 mile upstream of mouth to Randleman Reservoir, Deep River

17-5-(2) WS-IV;CA:* 0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Cabin Creek From source to Cotton Creek

17-26-5-(1)a WS-III 8.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Cabin Creek From Cotton Creek to Moore County SR 1281

17-26-5-(1)b WS-III 1.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Cabin Creek From SR 1281 to Moore County SR 1434

17-26-5-(1)c WS-III 10.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Cotton Creek From source to Center Street

17-26-5-3a WS-III 0.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Cotton Creek From Center Street to Otts Lake

17-26-5-3b1 WS-III 0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cotton Creek

From Otts Lake to SR 1369

17-26-5-3b2

WS-III

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1t
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1t
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	4s
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Chlorine (17 µg/l, AL, NC)	3t
Data Inconclusive	Not assessed	Cyanide (5 mg/L, AL, FW)	3t
Data Inconclusive	Not assessed	Chromium (50 µg/l, AL, FW)	3t



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cotton Creek

From SR 1369 to SR1371

17-26-5-3b3

WS-III

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1t
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1t
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	4s
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Chlorine (17 µg/l, AL, NC)	3t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Chromium (50 µg/l, AL, FW)	3t
Data Inconclusive	Not assessed	Cyanide (5 mg/L, AL, FW)	3t



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cotton Creek

From SR 1371 to Cabin Creek

17-26-5-3c

WS-III

3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1t
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1t
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	4s
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Chlorine (17 µg/l, AL, NC)	3t
Data Inconclusive	Not assessed	Chromium (50 µg/l, AL, FW)	3t
Data Inconclusive	Not assessed	Cyanide (5 mg/L, AL, FW)	3t



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DEEP RIVER

From dam at Randleman Reservoir to US 220 Business

17-(10.5)a

C

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DEEP RIVER

From US 220 business to Subbasin 03-06-08 and 03-06-09 boundary

17-(10.5)b

C

2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DEEP RIVER

From Haskett Creek to Gabriels Creek

17-(10.5)d1

C

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Chlorophyll a (40 µg/l, AL, NC)	5



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DEEP RIVER

From Gabriels Creek to Brush Creek

17-(10.5)d2

C

18.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Exceeding Criteria	< 10%	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DEEP RIVER

From Brush Creek to Subbasin 03-06-09 and 03-06-10 boundary

17-(10.5)e1

C

6.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DEEP RIVER

From Subbasin 03-06-09 and 03-06-10 boundary to Grassy Creek

17-(10.5)e2

C

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DEEP RIVER

From Grassy Creek to a point 1.0 mile upstream of Tysons Creek

17-(25.7)

C;HQW

12.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DEEP RIVER

From mouth of Big Governors Creek to Carbondon Dam

17-(32.5)

WS-IV;HQW

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DEEP RIVER

From Lee County water supply intake to a point 0.4 mile upstream of Rocky Branch

17-(38.7)

C

12.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DEEP RIVER

From dam at Oakdale Cotton Mills, Inc. to SR 1113

17-(4)a

WS-IV;CA:*

2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DEEP RIVER

From Kivett Drive to Coltrane Mill Road

17-(4)b

WS-IV;CA:*

375.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	> 10% and >90 conf N<10	Turbidity (25 NTU, AL, FW acres & SW)	3a



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DEEP RIVER

From Coltrane Mill Road to SR1944

17-(4)c1

WS-IV;CA:*

250.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DEEP RIVER

From SR1944 dam at Randleman Reservoir (located 1.6 mile upstream of US Hwy 220 Business)

17-(4)c2

WS-IV;CA:*

2,100.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DEEP RIVER

From a point 0.4 mile upstream of Rocky Branch to Cape Fear River (junction with Haw River)

17-(43.5)

WS-IV

6.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DEEP RIVER(including High Point Lake at normal pool elevation)

From source in backwaters of High Point Lake to dam at High Point Lake(City of High Point water supply intake)

17-(1)

WS-IV;CA:*

263.3 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	5
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1

East Fork Deep River

From source to Thatcher Road

17-2-(0.3)a

WS-IV:*

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

East Fork Deep River

From Thatcher Road to a point 0.4 mile downstream of Guilford County SR 1541

17-2-(0.3)b

WS-IV:*

4.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

East Fork Deep River

From a point 0.4 mile downstream of Guilford County SR 1541 to High Point Lake, Deep River

17-2-(0.7)

WS-IV;CA:*

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Falls Creek

From source to Deep River

17-27

C

11.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Fork Creek

From source to Deep River

17-25

C

15.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Georges Creek

From source to Deep River

17-41

C

8.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Harlands Creek(Hollands Creek)

From source to Rocky River

17-43-15

C

10.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Haskett Creek

From source to SR 2149

17-12a

C

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Haskett Creek

From SR 2149 to Asheboro WWTP Outfall

17-12b1

C

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Haskett Creek

From Asheboro WWTP Outfall to Deep River

17-12b2

C

0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	4s
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Hickory Creek

From source to Rolling Brook Drive

17-8.5-(1)a

WS-IV:*

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Hickory Creek

From Rolling Brook Drive to a point 0.6 mile upstream of mouth

17-8.5-(1)b

WS-IV:*

1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hickory Creek From a point 0.6 mile upstream of mouth to Randleman Reservoir, Deep River
17-8.5-(3) WS-IV;CA:* 0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Indian Creek From source to Deep River
17-35 WS-IV 7.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5

Jenny Branch From source to Reddicks Creek
17-8-2 WS-IV:* 3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Lick Creek From source to Cotton Creek
17-26-5-3-1 WS-III 2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not assessed	pH (6 su, AL, FW)	5
Data Inconclusive	Not assessed	Dissolved Oxygen (4 mg/l, AL, FW)	5

Little Buffalo Creek From source to Deep River
17-42 C 9.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Little Polecat Creek From source to Polecat Creek
17-11-3 WS-III;HQW 7.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Long Branch From source to a point 0.5 mile downstream of Guilford County SR 1541

17-2-1-(1) WS-IV:* 3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

Long Branch From a point 0.5 mile downstream of Guilford County SR 1541 to East Fork Deep River

17-2-1-(2) WS-IV;CA:* 0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

Loves Creek From source to Chatham Avenue

17-43-10a C 3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Loves Creek

From Chatham Avenue to US 421

17-43-10b1

C

2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Loves Creek

From US 421 to Siler City WWTP

17-43-10b2

C

0.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Dissolved Oxygen (4 mg/l, AL, FW)	3a
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a

Loves Creek

From Siler City WWTP to Rocky River

17-43-10c

C

0.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

McLendons Creek

From source to Richland Creek

17-30a

C

24.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

McLendons Creek

From Richland Creek to Deep River

17-30b

C

4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	pH (6 su, AL, FW)	3a
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Meadow Creek

From source to Rocky River

17-43-12

C

5.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Mill Creek

From source to Cabin Creek

17-26-5-4

WS-III

11.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Mount Pleasant Creek

From source to Sandy Creek

17-16-3

WS-III

7.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Muddy Creek

From source to a point 0.5 mile upstream of mouth

17-9-(1)

WS-IV:*

6.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t

Muddy Creek

From a point 0.5 mile upstream of mouth to Randleman Reservoir

17-9-(2)

WS-IV;CA:*

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t

Parkwood Branch

From source to Richland Creek

17-30-5-4

C

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Penwood Branch

From source to Haskett Creek

17-12-1

C

6.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Persimmon Creek

From source to Big Buffalo Creek

17-40-2

C

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Polecat Creek

From Ut at Cone Mills Club to a point 0.4 mile downstream of Randolph County SR 2116

17-11-(1)b

WS-III

16.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Reddicks Creek From source to Groomtown Road
17-8-(0.5)a WS-IV:* 5.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Richland Creek From source to Deep River
17-22 C 14.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Richland Creek From source to a point 0.4 mile upstream of Guilford County SR 1154
17-7-(0.5) WS-IV:* 6.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Data Inconclusive	Not assessed	Fecal Coliform (GM 200/400, REC, FW)	4t

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Richland Creek

From a point 0.4 mile upstream of Guilford County SR 1154 to Randleman Reservoir, Deep River

17-7-(4)

WS-IV;CA:*

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Rocky River

From source to Siler City upper reservoir

17-43-(1)a

WS-III

10.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rocky River

Siler City upper reservoir to 0.3 miles upstream of dam.

17-43-(1)b

WS-III

190.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	5

Rocky River

Siler City upper reservoir from 0.3 miles upstream of dam to the dam- (Turner Reservoir Critical Area).

17-43-(5.5)a

WS-III;CA

24.3 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Data Inconclusive	Not assessed	Chlorophyll a (40 µg/l, AL, NC)	5

Rocky River

From Siler City upper reservoir dam to Charles L. Turner Reservoir Dam

17-43-(5.5)b

WS-III;CA

160.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a



Final 2016 Integrated Report-All Assessed Waters

Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rocky River

From Charles L. Turner Reservoir Dam to Varnal Creek

17-43-(8)a

C

6.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rocky River

From Varnal Creek to backwater of Woody's Dam

17-43-(8)b1

C

15.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Rocky River

Woody's Dam

17-43-(8)b2

C

35.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	5



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rocky River

From Woody's Dam to Deep River

17-43-(8)b3

C

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Sandy Creek

From source to SR 2495

17-16-(1)a

WS-III

16.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Sandy Creek

From SR 2495 to a point 0.6 mile upstream of NC Hwy 22

17-16-(1)b

WS-III

19.3 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	5
Data Inconclusive	> 10% and >90 conf	pH (9.0, AL, FW)	3a
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1

Sandy Creek

From a point 0.6 mile upstream of NC Hwy 22 to Ramseur water supply

17-16-(3.5)

WS-III;CA

4.6 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1



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Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Tantraugh Branch

From source to Richland Creek

17-22-3

C

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Taylor Branch

From a point 0.5 mile upstream of mouth to Randleman Reservoir, Deep River

17-9.3-(2)

WS-IV;CA:*

0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Tick Creek From source to US 421

17-43-13a C 8.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

Tick Creek From US 421 to Rocky River

17-43-13b C 4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

West Fork Deep River From source to a point 0.3 mile downstream of Guilford County SR 1850

17-3-(0.3) WS-IV:* 5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

West Fork Deep River(Oak Hollow Reservoir) From a point 0.3 mile downstream of Guilford County SR 1850 to SR 1818

17-3-(0.7)a

WS-IV;CA:*

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Deep River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

West Fork Deep River(Oak Hollow Reservoir) From SR 1818 to dam at Oak Hollow Reservoir

17-3-(0.7)b WS-IV;CA:* 705.4 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Wet Creek From source to Cabin Creek

17-26-5-5 WS-III 10.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Wolf Creek From source to Bear Creek

17-26-4 WS-III 11.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Anderson Creek From source to Little River

18-23-32 C 5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Avents Creek

From a point 1.3 miles upstream of Harnett County SR 1418 to Cape Fear River

18-13-(2)

WS-IV;HQW

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	pH (6 su, AL, FW)	3a
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Barbeque Creek

From source to Upper Little River

18-20-13

C

11.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Beaver Creek

From source to Cane Creek

18-23-16-8

WS-III

7.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Beaver Creek (Beaver Creek Pond) From source to Little Rockfish Creek

18-31-24-5

C

19.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	pH (6 su, AL, FW)	3a
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Blounts Creek

From source to Cross Creek

18-27-5

C

6.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a

Bones Creek

From source to Little Rockfish Creek

18-31-24-2

C

12.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Buckhorn Creek

From Norfolk Southern Railroad to backwaters of Harris Lake

18-7-(2)

B

2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Buckhorn Creek (Harris Lake)

From dam at Harris Lake to Cape Fear River

18-7-(11)

C

4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Buckhorn Creek (Harris Lake)

From backwaters of Harris Lake to dam at Harris Lake

18-7-(3)

WS-V

4,114.2 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1

Buffalo Creek

From source to Little River

18-23-18

WS-III

7.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Buies Creek

From source to Cape Fear River

18-18

WS-IV

8.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From a point 0.6 mile downstream of mouth of Daniels Creek to a point 0.2 mile dwonstream of Neils Creek

18-(10.5)

WS-IV

9.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From Lillington water supply intake to Upper Little River

18-(16.7)

WS-IV

9.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From Dunn water supply intake to Lower Little River

18-(20.7)a

WS-V

5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From a point 0.5 mile upstream of City of Fayetteville water supply intake to City of Fayetteville water supply intake

18-(25.5)

WS-IV;CA

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

CAPE FEAR RIVER

From City of Fayetteville water supply intake to Peares Mill Creek

18-(26)a

C

6.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From Peares Mill Creek to 1 mile upstream Grays Creek

18-(26)b

C

12.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From a point 0.5 mile upstream of NC Hwy 42 to NC Hwy 42 (Sanford water supply intake)

18-(4.5)

WS-IV;CA

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From NC Hwy 42 to Buckhorn Dam

18-(5.5)a

WS-V

127.3 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	5
Data Inconclusive	> 10% and >90 conf	pH (9.0, AL, FW)	3a
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1

CAPE FEAR RIVER

From Buckhorn Dam to a point 0.6 mile downstream of mouth of Daniels Creek

18-(5.5)b

WS-V

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Coopers Branch

From source to Hector Creek

18-15-1

WS-IV;HQW

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Crane Creek (Craine Creek)

From source to Lake Surf

18-23-16a

WS-III

16.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Crane Creek (Craine Creek)

From Lake Surf to Little River

18-23-16b2

WS-III

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a

Cross Creek (Big Cross Creek)

From water supply intake at Murchison Road in Fayetteville to Hillsboro Street

18-27-(3)a

C

0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cross Creek (Big Cross Creek)

From Hillsboro Street to Blounts Creek

18-27-(3)b

C

1.4 FW Miles

<i>Assessment Criteria Status</i>	<i>Reason for Rating</i>	<i>Parameter of Interest</i>	<i>Category</i>
Exceeding Criteria	> 10% and >90 conf	pH (6 su, AL, FW)	5
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a

Cross Creek (Big Cross Creek)

From Blount Creek to Cape Fear River

18-27-(3)c

C

1.4 FW Miles

<i>Assessment Criteria Status</i>	<i>Reason for Rating</i>	<i>Parameter of Interest</i>	<i>Category</i>
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a

**Cross Creek (Big Cross Creek)
(Texas Pond, Smith Lake, Rose)**

From Country Club Road to a point 0.5 mile upstream of water supply intake at Murchison Road in Fayetteville

18-27-(1)c

WS-IV

2.7 FW Miles

<i>Assessment Criteria Status</i>	<i>Reason for Rating</i>	<i>Parameter of Interest</i>	<i>Category</i>
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cypress Creek

From source to Lake Surf, Cane Creek

18-23-16-10

WS-III

5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Flat Creek

From source to Little River

18-23-15

WS-III

6.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Gulf Creek

From source to clay pit below SR 1924

18-5-(1)a

WS-IV

3.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Gulf Creek

From clay pit below SR 1924 to a point 0.2 mile upstream of mouth

18-5-(1)b

WS-IV

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5

Gulf Creek

From a point 0.2 mile upstream of mouth to Cape Fear River

18-5-(2)

WS-IV;CA

0.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5

Hector Creek

From a point 1.1 miles upstream of Harnett County SR 1415 to Cape Fear River

18-15-(0.7)

WS-IV;HQW

8.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hector Creek From source to Little River

18-23-21 WS-III 6.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Herds Creek From source to Cane Creek

18-23-16-3 WS-III 8.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Hughes Creek From source to Lick Creek

18-4-7 WS-IV 3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

James Creek From source to Little River

18-23-13 WS-III 14.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Jumping Run Creek From source to Little River

18-23-20 WS-III 4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Jumping Run Creek From source to Little River

18-23-29 C 10.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Juniper Creek (MCKietham Pond) From source to Rockfish Creek

18-31-10 C 9.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Kenneth Creek From source to Wake-Harnett County Line

18-16-1-(1) C 4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Kenneth Creek From Wake-Harnett County Line to Neils Creek

18-16-1-(2) WS-IV 3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Exceeding Criteria	> 10% and < 90% conf	pH (6 su, AL, FW)	5e
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lick Creek

From dam at Olhams Lake to Cape Fear River

18-4-(2)

WS-IV

10.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Exceeding Criteria	> 10% and < 90% conf	pH (6 su, AL, FW)	5e
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Little Branch

From source to Big Branch

18-7-6-1-1

C

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Little Crane Creek (White Oak Creek)

From source to SR 24 and 27

18-23-16-4a

WS-III

5.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Little Crane Creek (White Oak Creek)

From SR 24 and 27 to Cane Creek

18-23-16-4b

WS-III

4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Cross Creek (Bonnie Doone Lake, Kornbow Lake, Mintz p
18-27-4-(1)a From source to Bonnie Doone Lake
 WS-IV 1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Little Cross Creek (Bonnie Doone Lake, Kornbow Lake, Mintz p
18-27-4-(1)e From Kornbow Lake to a point 0.5 mile upstream of backwaters of
 Glenville Lake
 WS-IV 1.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4c

Little Cross Creek (Glenville Lake) From dam at Glenville Lake to Cross Creek
18-27-4-(2) C 2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	4c

Little River (Lower Little River) From source to backwaters of Thagards Lake
18-23-(1) WS-III;HQW 14.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little River (Lower Little River)

From Vass water supply intake to Crane Creek

18-23-(10.7)

WS-III;HQW

12.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little River (Lower Little River) From Fort Bragg lower water supply intake to Cape Fear River
18-23-(24) C 25.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a

Little Rockfish Creek From Unnamed Tributary at Lakewood Lake to Beaverdam Creek
18-31-24-(4)a C 1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Little Rockfish Creek From Beaverdam Creekback to waters of Hope Mill Lake
18-31-24-(4)b C 2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Rockfish Creek (Lake William)

From source to mouth of Bones Creek

18-31-24-(1) C 12.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Little Rocky Run Creek

From source to Rocky Run Creek

18-20-16-1 C 0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Locks Creek

From source to Cape Fear River

18-28 C 5.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Mill Creek

From source to dam at old Southern Pines Water Supply

18-23-11-(1) WS-III;HQW:@ 58.1 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1

Mill Creek (Warrior Lake, Crystal Lake)

From dam at old Southern Pines water supply to dam at Crystal Lake

18-23-11-(2) WS-III,B;HQW:@ 8.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Muddy Creek (Overhills Lake)	From source to Little River		
18-23-26	C	9.4	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Neills Creek (Neals Creek)	From source to a point 0.3 mile upstream of Wake-Harnett County Line		
18-16-(0.3)	C	2.6	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5
Neills Creek (Neals Creek)	From a point 0.3 mile upstream of Wake-Harnett County Line to SR 1441		
18-16-(0.7)a	WS-IV	2.0	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5
Neills Creek (Neals Creek)	From SR 1441 to Kenneth Creek		
18-16-(0.7)b	WS-IV	1.3	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Neills Creek (Neals Creek)	From Kenneth Creek to 0.4 miles upstream of US 401		
18-16-(0.7)c1	WS-IV	6.7	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Neills Creek (Neals Creek) From US 401 to the Cape Fear River

18-16-(0.7)c2 WS-IV 1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Nicholson Creek (Mott Lake) From source to Rockfish Creek

18-31-14 C 10.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Nicks Creek From Carthage water supply intake to Little River

18-23-3-(3) WS-III 2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

North Prong Anderson Creek (Cambro Pond) From source to Anderson Creek

18-23-32-1 C 11.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



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Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Parkers Creek

From source to Cape Fear River

18-9

C;HQW

6.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Piney Bottom Creek

From source to Rockfish Creek

18-31-4

C

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Puppy Creek

From source to Rockfish Creek

18-31-19

C

10.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Rockfish Creek

From source to Juniper Creek

18-31-(1)a

C

12.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Rockfish Creek

From mouth of Dry Branch to mouth of Pedler Branch

18-31-(12)

B

3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a



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Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rockfish Creek

From dam at Old Brower Mill Pond to Cape Fear River

18-31-(23)

C

18.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rockfish Creek [(Upchurches Pond, Old Brower Mill Pond (Number Two Lake)]

From mouth of Puppy Creek to dam at Old Brower Mill Pond Dam

18-31-(18)

B

25.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a

Spring Valley Lake

Entire Lake and connecting stream to Thagards Lake, Little River

18-23-6

WS-III,B

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Tank Creek (McDuffie Cr.) (McFayden Pond)

From source to Little River

18-23-27

C

6.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Upper Little River

From a point 0.6 mile downstream of Juniper Branch to Cape Fear River

18-20-(24.5)

WS-IV

15.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Upper Little River

From dam at Lake Trace to Corndack Creek

18-20-(8)a

C

4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Upper Little River (incl. Lake Trace below elev. 257 MSL) (5)

From source to dam at Lake Trace

18-20-(1)

B

17.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

UT at Cross Creek POTW

From source to Cross Creek

18-27-(3)cut2

0.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a

UT LITTLE CROSS CR

Source to LITTLE CROSS CR

18-27-4-(1)but5

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Ut near Rosehill Road

From dam at Country Club Lake to Cross Creek

18-27-2-(2)

WS-IV

0.8 FW Miles

<i>Assessment Criteria Status</i>	<i>Reason for Rating</i>	<i>Parameter of Interest</i>	<i>Category</i>
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Ut to Locks Creek

From source to Locks Creek

18-28ut3

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Mercury (0.012 µg/l, FC, FW)	5
Exceeding Criteria	> 10% and >90 conf	pH (6 su, AL, FW)	5
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Exceeding Criteria	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	5e
Exceeding Criteria	> 10% and < 90% conf	Arsenic (10 µg/l, HH, NC)	5e
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Little River-Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description	Assessment Unit Number	Water Quality Classification	Length/Area	Units
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UT UPR LITTLE R

Source to UPR LITTLE R

18-20-(8)aut5

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a



Final 2016 Integrated Report-All Assessed Waters

Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Allen Creek (Boiling Springs Lake) From source to Boiling Springs Lake Dam

18-85-1-(1) B;Sw 331.6 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Bald Head Creek From source to DMF SS Station B2-18Z

18-88-8-4a SA;HQW 29.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Barnards Creek From source to Cape Fear River

18-80 C;Sw 3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Bay Creek From source to Cape Creek

18-88-8-3-1 SA;HQW 80.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Beaverdam Creek From mouth of Polly Gully Creek to Intracoastal Waterway

18-88-9-1-(1.5) SA;HQW 11.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bowensville Creek From Muddy Slough to Cape Fear River

18-88-6 SA;HQW 5.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Browns Creek (Cross Pond)

From source to Cape Fear River

18-45

C

10.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Brunswick River

From source to Cape Fear River

18-77

SC

743.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (5 mg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	pH (6.8 su, AL, SW)	3a
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Burris Creek

From Muddy Slough to Buzzard Bay

18-88-8-2-3

SA;HQW

12.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Buzzard Bay

Entire Basin

18-88-8-2

SA;HQW

578.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cape Creek

From source to Cape Fear River

18-88-8-3

SA;HQW

198.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

Grays Creek to Lock and Dam 3

18-(26.25)b

WS-IV

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From Lock and dam 3 to a point approximately 0.5 mile upstream of Smithfield Packing Company's intake

18-(26.25)c

WS-IV

4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From Smithfield Packing Company's intake (approximately 2 miles upstream of County Road 1316) to NC 701

18-(26.75)a

C

16.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

NC 701 to Browns Creek

18-(26.75)b

C

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	pH (6 su, AL, FW)	3a
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

CAPE FEAR RIVER

From Browns Creek to Hammond Creek

18-(26.75)c

C

10.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From mouth of Hammond Creek to mouth of Drunken Run (near mile 53)

18-(49)

WS-V

8.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

CAPE FEAR RIVER

From mouth of Drunken Run (near mile 53) to a point 0.6 mile upstream of Lock #1 near Acme

18-(53.5)

WS-IV

12.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From a point 0.6 mile upstream of Lock #1 near Acme to Lock #1 (City of Wilmington water supply intake)

18-(58.5)

WS-IV;CA

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From US Corps of Engineers Lock #1 near Acme to a point 0.5 mile upstream of raw WSI at Fed. Paper Board Corp. (Riegelwood)

18-(59)

WS-IV;Sw

7.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From raw water supply intake at Federal Paper Board corporation (Riegelwood) to Bryant Mill Creek

18-(63)a

C;Sw

3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From upstream mouth of Toomers Cr. To Railroad bridge at Navassa

18-(71)a1

SC

10.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (6.8 su, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (5 mg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3a
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From Railroad bridge at Navassa to Greenfield Creek

18-(71)a2

SC

386.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (6.8 su, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (5 mg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From Greenfield Creek to Barnards Creek

18-(71)a3

SC

1,268.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (5 mg/l, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	pH (6.8 su, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From Barnards Creek to 0.6 miles downstream of Barnards Creek

18-(71)a4

SC

372.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (5 mg/l, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	pH (6.8 su, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From 0.6 miles downstream of Barnards Creek to 1.9 miles downstream of Mott Creek

18-(71)a5

SC

2,165.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (5 mg/l, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From 1.9 miles downstream of Mott Creek to a line across the river
Between Lilliput Creek and Snows Cut

18-(71)a6

SC

1,394.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From a line across the river between Lilliput Creek and Snows Cut to a line across the river from Walden Creek to the Basin

18-(71)b

SC

7,856.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Exceeding Criteria	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	5e
Exceeding Criteria	> 10% and < 90% conf	Arsenic (10 µg/l, HH, NC)	5e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

Prohibited area north of Southport Restricted Area and west of ICWW in Cape Fear River

18-(87.5)a

SA;HQW

769.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Nickel (8.3 µg/l, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Exceeding Criteria	> 10% and < 90% conf	Arsenic (10 µg/l, HH, NC)	5e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

CAPE FEAR RIVER

Approved area east of ICWW in Cape Fear River excluding Conditional shellfish area on eastern bank

18-(87.5)b1a

SA;HQW

4,231.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER Prohibited area near Southport
18-(87.5)b1b SA;HQW 90.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

CAPE FEAR RIVER Conditional shellfish area on eastern bank of Cape Fear River
18-(87.5)b2 SA;HQW 463.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

CAPE FEAR RIVER Prohibited area south of Southport Restricted Area
18-(87.5)c SA;HQW 322.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

CAPE FEAR RIVER Prohibited area east of ICWW in Cape Fear River
18-(87.5)d SA;HQW 17.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Catfish Creek From source to Cape Fear River
18-69 C;Sw 1.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f

Cedar Creek From Cape Fear River to Buzzard Bay
18-88-8-2-4 SA;HQW 105.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Coward Creek

From source to Molasses Creek

18-88-9-2-5-1

SA;HQW

5.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Deep Creek

From source to Bay Creek

18-88-8-3-1-1

SA;HQW

31.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Denis Creek

From source to Intracoastal Waterway

18-88-9-2-3

SA;HQW

34.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Dutchman Creek

From CP&L Discharge Canal to Intracoastal Waterway

18-88-9-3-(2.5)

SA;HQW

75.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Dutchman Creek Outlet Channel

From Intracoastal waterway to Dutchman Creek

18-88-9-3-3

SA;HQW

78.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Exceeding Criteria	Ent 5in30 GM>35	Enterococcus (GM 35, REC, SW)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



Final 2016 Integrated Report-All Assessed Waters

Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Dutchman Creek Shellfish Area

That section of Dutchman Creek within a line beginning at a point of marsh at the junction of Dutchman Creek and Elizabeth River and running due north to a point of marsh

18-88-9-3-(4) SA;HQW 37.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Elizabeth River

That section of Elizabeth River exclusive of the Elizabeth River Shellfishing Area

18-88-9-2-(1) SA;HQW 83.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Elizabeth River Shellfishing Area

That section of Elizabeth River within a line beginning at the mouth of Molasses Creek and running northeast to a point of marsh at the junction of Elizabeth River and Du

18-88-9-2-(2) SA;HQW 205.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Ellis Creek

From source to Cape Fear River

18-44 C 11.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Fishing Creek

From source to Bald Head Creek

18-88-8-4-1 SA;HQW 7.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Greenfield Lake

Entire Lake

18-76-1

C;Sw

75.3 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	5

Hammond Creek

From source to Cape Fear River

18-50

C

11.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a

Harrisons Creek (Little Alligator Swamp)

From source to 0.3 miles downstream of SR 1318

18-42a

C

9.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Harrisons Creek (Little Alligator Swamp)

From 0.3 miles downstream of SR 1318 to Cape Fear River

18-42b

C

4.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a



Final 2016 Integrated Report-All Assessed Waters

Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hood Creek

From source to Cape Fear River

18-66

C;Sw

13.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Intracoastal Waterway

From Channel Marker F1, R. "22" to Dutchmans Creek outlet channel

18-88-9a

SA;HQW

222.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Intracoastal Waterway

From Dutchmans Creek outlet channel to mouth of Cottage Creek

18-88-9b

SA;HQW

96.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Exceeding Criteria	Ent 5in30 GM>35	Enterococcus (GM 35, REC, SW)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Jones Lake

From source to Lake Drain

18-46-7-1

B

214.1 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1

Lewis Branch

From source to Lewis Swamp

18-81-2-2

C;Sw

3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1

Livingston Creek (Broadwater Lake)

From source to Big Branch

18-64a

C;Sw

12.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Livingston Creek (Broadwater Lake)

From Big Branch to Cape Fear River

18-64b

C;Sw

9.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Middle Creek

From Muddy Slough to Cape Fear River

18-88-5

SA;HQW

10.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Molasses Creek

From source to Elizabeth River

18-88-9-2-5

SA;HQW

1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Muddy Slough

Entire Slough

18-88-7

SA;HQW

1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Muddy Slough

Entire Slough

18-88-8-2-1

SA;HQW

42.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Piney point Creek

From source to Denis Creek

18-88-9-2-4

SA;HQW

11.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Rice Creek

From source to Town Creek

18-81-6

C;Sw

3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f

Salters Lake

Entire lake and connecting stream to Ellis Creek

18-44-4

C

315.4 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Shellbed Creek

From Muddy Slough to Cape Fear River

18-88-4

SA;HQW

1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Southport Restricted Area

Beginning at a point on the west bank of the Cape Fear River 1000 yards upstream of Price Creek, thence in an easterly direction to the eastern border of the Lower Cape F

18-88-3.5

SC

715.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	Nickel (8.3 µg/l, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	Arsenic (10 µg/l, HH, NC)	5
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Still Creek

From Muddy Slough to Buzzard Bay

18-88-8-2-2

SA;HQW

32.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Sturgeon Creek

From source to Brunswick River

18-77-1

C;Sw

5.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (NA, AL, swamp)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

The Basin

Entire Basin

18-88-8-1

SA;HQW

384.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Turnbull Creek

From source to Cape Fear River

18-46

C

31.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Dissolved Oxygen (4 mg/l, AL, FW)	3a
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Lewis Swamp

From source to Lewis Swamp

18-81-2ut1

2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (4.3 su, AL, Sw)	5
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1



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Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

White Lake

From source to Lake Drain

18-46-8-1

B

1,063.8 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1

Whites Creek

From source to Hammond Creek

18-50-5

C

6.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Beaverdam Swamp

From source to Great Coharie Creek

18-68-1-1

C;Sw

6.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1



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Black River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Black Lake (Bay Tree Lake)

From source to Lake Drain

18-68-17-1-1

C;Sw

1,454.2 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1

Black River

From source to Subasin 19/20 boundary

18-68a

C;Sw,ORW:+

31.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Black River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Black River

From Subbasin 19/20 boundary to Cape Fear River

18-68b

C;Sw,ORW:+

40.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Black River (Little Black River)(Popes Lake-Rhodes Pond)

From source to I-95

18-68-12-1a

C;Sw

28.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1



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Black River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CAPE FEAR RIVER

From Bryant Mill Creek to upstream mouth of Toomers Creek

18-(63)b

C;Sw

18.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Colly Creek

From source to Black River

18-68-17

C;Sw

34.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Natural Conditions	pH (4.3 su, AL, Sw)	1nc

Crane Creek

From source to Six Runs Creek

18-68-2-12

C;Sw

9.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Great Coharie Creek (Blackmans Pond)

From source to Sevenmile Swamp

18-68-1a

C;Sw

9.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Great Coharie Creek (Blackmans Pond)

From Sevenmile Swamp to Black River

18-68-1b

C;Sw

33.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a



Final 2016 Integrated Report-All Assessed Waters

Black River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Coharie Creek

From 1.7 upstream of Howard Pond to SR 1240

18-68-1-17a2

C;Sw

8.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Coharie Creek (Sinclair Lake) From source to 1.7 upstream of Howard Pond

18-68-1-17a1

C;Sw

20.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Little Coharie Creek (Sinclair Lake) From SR 1240 to Great Coharie Creek

18-68-1-17b

C;Sw

12.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Black River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lyon Creek

From source to Lyon Thorofare

18-68-22-1

C;Sw

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Moores Creek

From source to White Oak Branch

18-68-18a1

C;Sw

7.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Moores Creek

From White Oak Branch to Buxton Branch

18-68-18a2

C;Sw

5.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1

Moores Creek

From Buxton Branch to Black River

18-68-18b

C;Sw

9.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Sevenmile Swamp

From source to Great Coharie Swamp

18-68-1-3

C;Sw

10.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Singletary Lake

From source to Lake Drain

18-68-17-5-1

B;Sw

576.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1



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Black River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Six Runs Creek

From Gillmore Swamp to Quewiffle Swamp

18-68-2-(0.3)b

C;Sw

15.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Six Runs Creek

From Quewiffle Swamp to Black River

18-68-2-(11.5)

C;Sw,ORW:+

11.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

South River

From source to US 13

18-68-12-(0.5)a

C;Sw

6.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a



Final 2016 Integrated Report-All Assessed Waters

Black River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South River

From Big Swamp to Black River

18-68-12-(8.5)

C;Sw,ORW:+

45.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Stewarts Creek

From source to Six Runs Creek

18-68-2-10

C;Sw

15.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

UT to Kill Swamp

From source to Kill Swamp

18-68-1-2ut4

0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1



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Black River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Sevenmile Swamp

From source to Sevenmile Swamp

18-68-1-3ut16

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Angola Creek

From source to Holly Shelter Creek

18-74-33-3

C;Sw

6.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a



Final 2016 Integrated Report-All Assessed Waters

Northeast Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Barlow Branch

From source to Northeast Cape Fear River

18-74-2

C;Sw

1.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chloride (230 mg/l, AL, FW)	4v
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Burgaw Creek

From source to Osgood Branch

18-74-39a

C;Sw

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Burgaw Creek

From Osgood Branch to Northeast Cape Fear River

18-74-39b

C;Sw

9.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	4s
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Burnt Mill Creek

From source to Smith Creek

18-74-63-2

C;Sw

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not assessed	Chlorophyll a (40 µg/l, AL, NC)	5



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Northeast Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cabin Creek

From source to Limestone Creek

18-74-23-2

B;Sw

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a

Cypress Creek

From source to Long Creek

18-74-55-2

C;Sw

8.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Goshen Swamp

From source to Bear Swamp

18-74-19a

C;Sw

16.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Severe	Benthos (Nar, AL, FW)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Goshen Swamp

From Bear Swamp to Northeast Cape Fear River

18-74-19b

C;Sw

13.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Grove Creek

From source to Northeast Cape Fear River

18-74-21

C;Sw

15.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1

Holly Shelter Creek

From source to Sandy Run Northeast Cape Fear River

18-74-33a

C;Sw

6.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Northeast Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Holly Shelter Creek

From Sandy Run to Northeast Cape Fear River

18-74-33b

C;Sw

19.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Island Creek

From source to Northeast Cape Fear River

18-74-27

C;Sw

11.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Lillington Creek

From source to Northeast Cape Fear River

18-74-42

C;Sw

5.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (4.3 su, AL, Sw)	5
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a



Final 2016 Integrated Report-All Assessed Waters

Northeast Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Limestone Creek

From source to Northeast Cape Fear River

18-74-23

C;Sw

16.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Little Rock Fish Creek (Boney Mill Pond)

From source to Rock Fish Creek

18-74-29-6

C;Sw

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Northeast Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Long Creek

From source to Cypress Creek

18-74-55a

C;Sw

7.7 FW Miles

<i>Assessment Criteria Status</i>	<i>Reason for Rating</i>	<i>Parameter of Interest</i>	<i>Category</i>
Exceeding Criteria	Severe	Benthos (Nar, AL, FW)	5

Long Creek

From Cypress Creek to Northeast Cape Fear River

18-74-55b

C;Sw

21.5 FW Miles

<i>Assessment Criteria Status</i>	<i>Reason for Rating</i>	<i>Parameter of Interest</i>	<i>Category</i>
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Merricks Creek

From source to Harrison's Creek

18-74-49-2

C;Sw

5.3 FW Miles

<i>Assessment Criteria Status</i>	<i>Reason for Rating</i>	<i>Parameter of Interest</i>	<i>Category</i>
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mill Pond

From source to Holly Shelter Creek

18-74-33-5

C;Sw

2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (4.3 su, AL, Sw)	5
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (NA, AL, swamp)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Muddy Creek

From source to Mortheast Cape Fear River

18-74-25

C;Sw

14.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Northeast Cape Fear River

From source to SR 1558

18-74-(1)a

C;Sw

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chloride (230 mg/l, AL, FW)	4v
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Northeast Cape Fear River

From SR 1558 to NC 403

18-74-(1)b

C;Sw

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a



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Northeast Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Northeast Cape Fear River

From Mire Branch to Grove Creek

18-74-(1)c1b

C;Sw

14.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Northeast Cape Fear River

From Subbasin 03-06-21 03-06-22 boundary to Persimmon Branch

18-74-(1)c2

C;Sw

11.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Northeast Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Northeast Cape Fear River

From Persimmon Branch to Muddy Creek

18-74-(1)c3

C;Sw

21.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Northeast Cape Fear River

From Muddy Creek to Rock Fish Creek

18-74-(25.5)

C;Sw,HQW

19.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Northeast Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Northeast Cape Fear River

From Rock Fish Creek to NC Hwy 210

18-74-(29.5)

C;Sw

35.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Northeast Cape Fear River

From NC Hwy 210 to Princes George Creek

18-74-(47.5)

B;Sw

15.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Northeast Cape Fear River

From Prince George Creek to mouth of Ness Creek

18-74-(52.5)

C;Sw

12.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a



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Northeast Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Northeast Cape Fear River

From mouth of Ness Creek to Cape Fear River

18-74-(61)

SC;Sw

1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Exceeding Criteria	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	5e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a



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Northeast Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Panther Creek

From NC 50 to Goshen Swamp

18-74-19-3b

C;Sw

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a

Rock Fish Creek (New Kirk Pond)

From NC 41 to Doctors Creek SR 1165

18-74-29b1

C;Sw

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Rock Fish Creek (New Kirk Pond)

From Doctors Creek to SR 1165

18-74-29b2

C;Sw

3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Rock Fish Creek (New Kirk Pond)

From SR 1165 to Little Rockfish Creek

18-74-29c

C;Sw

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a



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Northeast Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rock Fish Creek (New Kirk Pond)

From Little Rockfish Creek to Northeast Cape Fear River

18-74-29d

C;Sw

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Shelter Swamp Creek

From source to Sandy Run Swamp

18-74-33-2-2

C;Sw

13.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1



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Northeast Cape Fear River Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Smith Creek

From source to Northeast Cape Fear River

18-74-63

C;Sw

11.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Stockinghead Creek

From source to Northeast Cape Fear River

18-74-24

C;Sw

11.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

UT to Island Creek

From source to Island Creek

18-74-50out1

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Atlantic Ocean

49 Street SE in Long Beach to the mouth of the Cape Fear River

99-(2)

SB

5.6 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



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Haw Subbasin

Cape Fear River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cane Creek (Cane Creek Reservoir) From Toms Creek to 0.6 miles upstream of dam

16-27-(2.5)b2 WS-II;HQW,NSW,CA 150.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1i
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Total Nitrogen	1t
Meeting Criteria	< 10%	Total Phosphorus	1t

Catawba River Headwaters Subbasin 03050101 Catawba River Basin

Abernethy Creek From source to First Creek

11-135-4a C 3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Abernethy Creek From First Creek to Crowders Creek

11-135-4b C 1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Abingdon Creek From source to Lower Creek

11-39-6 C 5.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Anderson Creek

From source to Killian Creek

11-119-2-2

C

5.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Anthony Creek

From source to Gragg Prong

11-38-10-3

C;Tr

4.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Armstrong Creek

From source to Hickory Botton Creek

11-24-14-(1)

C;Tr,HQW

10.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Bailey Creek

From source to Lake James, Catawba River

11-26

C

2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Bartlett Creek

From source to O'Dear Creek

11-24-14-10-3-1

C;HQW

1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Bee Rock Creek

From source to Armstrong Creek

11-24-14-2

C;Tr,HQW

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bill White Creek (White Creek)

From source to Linville River

11-29-11

C

3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Blackwood Creek

From source to Crowders Creek

11-135-7

C

4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Blair Fork

From source to Spainhour Creek

11-39-3-1

C

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Bristol Creek

From source to Lower Creek

11-39-8

WS-IV

5.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Brown Branch

From source to Mulberry Creek

11-38-32-13

B;HQW

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Buchanan Creek

From source to Three Mile Creek

11-24-14-10-1

C;HQW

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Buck Creek

From source to Chestnut Branch

11-19-(1)a

WS-II,B;Tr,HQW

6.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Buffalo Shoals Creek

From source to a point 0.2 mile downstream of Broad Meadow Creek

11-78-(0.5)

WS-IV

8.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Buffalo Shoals Creek

From a point 0.2 mile downstream of Broad Meadow Creek to Lake Norman, Catawba River

11-78-(3)

WS-IV;CA

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Burntfield Branch

From source to Johns River

11-38-16

B

1.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Canoe Creek

From Burke County SR 1248 to Catawba River

11-33-(2)

WS-IV

5.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Catawba Creek

From source to SR2446, Gaston

11-130a

C

5.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not assessed	Chlorophyll a (40 µg/l, AL, NC)	3i
Data Inconclusive	Not assessed	Total Nitrogen	3t
Data Inconclusive	Not assessed	Total Phosphorus	3t

Catawba Creek

From SR2446, Gaston to SR2439, Gaston

11-130b

C

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Catawba Creek

From SR2439 to Lake Wylie

11-130c

C

4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Data Inconclusive	Not assessed	Chlorophyll a (40 µg/l, AL, NC)	3i
Data Inconclusive	Not assessed	Total Nitrogen	3t
Data Inconclusive	Not assessed	Total Phosphorus	3t

CATAWBA RIVER

From source to Old Fort Finishing Plant Water Supply Intake

11-(1)

C;Tr

4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

CATAWBA RIVER

From source to the confluence with the Left Prong Catawba River

11-(1.5)

C;Tr,HQW

3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CATAWBA RIVER (including backwaters of Lake James below elevation 1200)

From Dam at Old Fort Finishing Plant Water Supply Intake to Curtis Creek

11-(8)a

C

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

CATAWBA RIVER (including backwaters of Lake James below elevation 1200)

From Curtis Creek to North Fork Catawba River

11-(8)b

C

22.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CATAWBA RIVER (including backwaters of Rhodhiss Lake below elevation 995)

From a point 0.6 mile upstream of Muddy Creek to a point 1.2 mile upstream of Canoe Creek

11-(31.5)

WS-IV;Tr

9.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

CATAWBA RIVER (including backwaters of Rhodhiss Lake below elevation 995)

From a point 0.7 mile upstream of Canoe Creek to a point 0.6 mile upstream of Warrior Fork

11-(32.7)

WS-IV

3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CATAWBA RIVER (Lake Hickory below elevation 935)

From U.S. Highway 321 Bridge to N.C. Hwy. 127

11-(53)

WS-IV,B;CA

1,232.8 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1

CATAWBA RIVER (Lake Hickory below elevation 935)

From N.C. Hwy. 127 to Oxford Dam

11-(59.5)

WS-V,B

2,093.6 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CATAWBA RIVER (Lake James below elevation 1200)

From North Fork Catawba River to Bridgewater Dam

11-(23)

WS-V,B

5,810.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

CATAWBA RIVER (Lake Norman below elevation 760)

From Lyle Creek to Cowan's Ford Dam

11-(75)

WS-IV,B;CA

31,331.6 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CATAWBA RIVER (Lake Wylie below elevation 570)

From Mountain Island Dam to Interstate Highway 85 Bridge at Belmont

11-(117)

WS-IV;CA

375.3 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CATAWBA RIVER (Lake Wylie below elevation 570)

From I-85 bridge to the upstream side of Paw Creek Arm of Lake Wylie, Catawba River

11-(122)

WS-IV,B;CA

601.1 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1i
Meeting Criteria	< 10%	Total Nitrogen	1t
Meeting Criteria	< 10%	Total Phosphorus	1t
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

CATAWBA RIVER (Lookout Shoals Lake below elevation 845)

From Elk Shoal Creek (East Side) to a point 0.5 mile upstream of Lookout Shoals Dam

11-(72)

WS-IV,B;CA

653.2 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CATAWBA RIVER (Mountain Island Lake below elevation 648) From Water Intake at River Bend Steam Station to Mountain Island Dam (Town of Mount Holly water supply intake)

11-(114)

WS-IV,B;CA

1,937.1 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

CATAWBA RIVER (Rhodhiss Lake below elevation 995) From Johns River to Rhodhiss Dam

11-(37)

WS-IV,B;CA

1,848.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Celia Creek From source to a point 0.5 mile upstream of Caldwell County SR 1325
11-39-7-1-(1) C 4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Celia Creek From a point 0.5 mile upstream of Caldwell County SR 1325 to Husband Cr.
11-39-7-1-(2) WS-IV 1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Clark Branch From source to Crossnore Creek
11-29-10-2-1 C 1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Clear Creek From Broughton Hospital Water Intake to Silver Creek
11-34-6-(2) C 4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Clear Creek (State Hospital Reservoir) From source to Broughton Hospital Water Intake

11-34-6-(1) C;HQW 2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Cow Creek From source to Armstrong Creek

11-24-14-3 C;Tr,HQW 1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Crooked Creek

From source to Catawba River

11-12

C

16.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Crowders Creek

From source to SR 1118

11-135a

C

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5
Data Inconclusive	Not assessed	Chlorophyll a (40 µg/l, AL, NC)	3i
Data Inconclusive	Not assessed	Total Nitrogen	3t
Data Inconclusive	Not assessed	Total Phosphorus	3t

Crowders Creek

From State Route 1118 to State Route 1122

11-135b

C

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Chlorophyll a (40 µg/l, AL, NC)	3i
Data Inconclusive	Not assessed	Total Nitrogen	3t
Data Inconclusive	Not assessed	Total Phosphorus	3t



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Crowders Creek

From State Route 1122 to State Route 1131

11-135c

C

3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5
Data Inconclusive	Not assessed	Chlorophyll a (40 µg/l, AL, NC)	3i
Data Inconclusive	Not assessed	Total Nitrogen	3t
Data Inconclusive	Not assessed	Total Phosphorus	3t

Crowders Creek

From State Route 1131 to State Route 1108

11-135d

C

7.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Chlorophyll a (40 µg/l, AL, NC)	3i
Data Inconclusive	Not assessed	Total Nitrogen	3t
Data Inconclusive	Not assessed	Total Phosphorus	3t

Crowders Creek

From State Route 1108 To NC 321

11-135e

C

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not assessed	Chlorophyll a (40 µg/l, AL, NC)	3i
Data Inconclusive	Not assessed	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Total Nitrogen	3t
Data Inconclusive	Not assessed	Total Phosphorus	3t



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Crowders Creek

From State Route 321 to State Route 2424

11-135f

C

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not assessed	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Chlorophyll a (40 µg/l, AL, NC)	3i
Data Inconclusive	Not assessed	Total Nitrogen	3t
Data Inconclusive	Not assessed	Total Phosphorus	3t

Crowders Creek

From State Route 2424 to North Carolina-South Carolina State Line

11-135g

C

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Data Inconclusive	Good-Fair	Benthos (Nar, AL, FW)	3z1
Data Inconclusive	Not assessed	Cadmium (2 µg/l, AL, FW)	3z1
Data Inconclusive	Not assessed	Zinc (50 µg/l, AL, FW)	3z1
Data Inconclusive	Not assessed	Nickel (88 µg/l, AL, FW)	3z1
Data Inconclusive	Not assessed	Mercury (0.012 µg/l, FC, FW)	3z1
Data Inconclusive	Not assessed	Lead (25 µg/l, AL, NC)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Arsenic (10 µg/l, HH, NC)	3z1
Data Inconclusive	Not assessed	Copper (3 µg/l, AL, SW)	3z1
Data Inconclusive	Not assessed	Arsenic (50 µg/l, AL, NC)	3z1
Data Inconclusive	Not assessed	Fecal Coliform (GM 200/400, REC, FW)	3t
Data Inconclusive	Not assessed	Chlorophyll a (40 µg/l, AL, NC)	3i
Data Inconclusive	Not assessed	Total Nitrogen	3t
Data Inconclusive	Not assessed	Total Phosphorus	3t



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Curtis Creek

From source to Catawba River

11-10

C;Tr

9.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Dales Creek

From source to Lake James, Catawba River

11-27

C

4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Dixon Creek

From source to Racket Creek

11-38-10-1-1

C

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Double Branch

From source to Clear Creek

11-34-6-4

C

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Drowning Creek

From source to a point 0.6 mile upstream of mouth

11-52-(1)

WS-IV

9.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Duck Creek

From source to N.C. Highway 90

11-62-2-(1)

C;Tr

8.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Duck Creek

From N.C. Highway 90 to Middle Little River

11-62-2-(4)

C

4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Dutchmans Creek

From source to a point 0.8 mile downstream of Taylors Creek

11-119-(0.5)

WS-IV

7.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

East Prong Hunting Creek

From source to Hunting Creek

11-36-1

WS-IV

6.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Elk Shoal Creek (East Side)

From source to a point 1.4 miles upstream of mouth

11-73-(0.5)

WS-IV

7.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Falling Creek

From source to Lake Hickory, Catawba River

11-60

C

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Fiddlers Run

From source to East Prong Hunting Creek

11-36-1-1

WS-IV

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Forney Creek

From source to Killian Creek

11-119-2-3

C

8.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5

Franklin Branch

From source to Johns River

11-38-31

C

4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Freemason Creek

From source to a point 0.6 mile upstream of mouth

11-47-(1)

WS-IV

3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Freemason Creek

From a point 0.6 mile upstream of mouth to Rhodhiss Lake, Catawba River

11-47-(2)

WS-IV;CA

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Gar Creek

From source to a point 0.6 mile upstream of mouth

11-116-(1)

WS-IV

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Glade Creek

From Alexander County SR 1604 to Lower Little River

11-69-7-(0.7)

WS-IV

5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Gragg Prong

From source to Johns River

11-38-10

C;Tr

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Gragg Prong

From source to Lost Cove Creek

11-38-34-11-3

C;Tr,ORW

4.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Greasy Creek

From source to SR 1305

11-39-4a

C

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Greasy Creek

From SR 1305 to Lower Creek

11-39-4b

C

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Gunpowder Creek (Old Mill Pond)

From a point 0.5 mile downstream of Caldwell County SR 1127 to a point 0.8 mile downstream of Billy Branch

11-55-(1.5)

WS-IV

13.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Harper Creek

From source to Wilson Creek

11-38-34-14

C;Tr,ORW

9.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (6 su, AL, FW)	4t
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Honeycutt Creek

From source to North Fork Catawba River

11-24-8

C;Tr

4.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Horseford Creek

From Frye Creek to a point 0.7 mile upstream of mouth

11-54-(0.5)

WS-IV

0.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Horseford Creek

From a point 0.7 mile upstream of mouth to Lake Hickory, Catawba River

11-54-(3)

WS-IV;CA

0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Hunting Creek

From source to a point 1.0 mile upstream of Burke County SR 1940

11-36-(0.3)

C

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Hunting Creek

From a point 1.0 mile upstream of Burke County SR 1940 to East Prong Hunting

11-36-(0.7)a

WS-IV

5.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Hunting Creek

From East Prong Hunting Creek to a point 0.4 mile downstream of Pee Dee Branch

11-36-(0.7)b

WS-IV

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Husband Creek From a point 0.5 mile upstream of Celia Creek to Lower Creek

11-39-7-(2) WS-IV 2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Irish Creek From Roses Creek to Warrior Fork

11-35-3-(2)b WS-III 3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Isaac Creek

From a point 0.6 mile upstream of mouth to Lake Hickory, Catawba River

11-59-(2)

WS-IV,B;CA

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (6 su, AL, FW)	5
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Jacktown Creek

From source to Youngs Fork

11-32-1-4-1

C

2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Jarrett Creek From Old Fort Water Supply Intake to Mill Creek
11-7-10-(3) C 1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Johns River From source to Gragg Prong (previously called Anthony Creek)
11-38-(1) C;Tr 6.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Johns River From Reids Creek to Mulberry Creek Wilson Creek
11-38-(28)a C 4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Johns River From Mulberry Creek to Wilson Creek
11-38-(28)b C 5.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Johns River From a point 0.5 mile upstream of Sims Branch to a point 0.7 mile downstream of N.C. Hwy. 18
11-38-(35.5) WS-IV;HQW 6.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Jumping Run From source to Glade Creek
11-69-7-1 WS-IV 4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Killian Creek From source to Anderson Creek

11-119-2-(0.5)a C 11.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

Killian Creek From Anderson Creek to a point 1.2 miles upstream of mouth

11-119-2-(0.5)b C 3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Lambert Fork From source to Lower Little River

11-69-3 C 8.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Laurel Branch From source to North Fork Catawba River

11-24-3 C;Tr 2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Leepers Creek

From source to a point a point 0.8 mile upstream of mouth

11-119-1-(1)

C

15.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Left Prong Catawba River

From source to Catawba River

11-6

C;Tr,HQW

3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Linville River

From southern Boundary of Daniel Boone Wildlife Management Area to Lake James, Catawba River

11-29-(19)

B;HQW

7.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Linville River

From Grandmother Creek to Linville Falls

11-29-(4.5)

B;Tr

15.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Little Buck Creek

From source to Lake Tahoma, Buck Creek

11-19-11

WS-II,B;Tr,HQW

4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Mulberry Creek From source to Mulberry Creek
11-38-32-17 C 3.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Little Mulberry Creek From source to Mulberry Creek
11-38-32-18 C 3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Long Branch From source to China Creek
11-38-5-1-1 C 1.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Long Creek

From source to a point 0.6 mile downstream of Mecklenburg County SR 2074

11-120-(0.5)

C

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3a
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Total Suspended Solids	3t
Data Inconclusive	Not assessed	Turbidity (50 NTU, AL, FW miles)	3i



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Long Creek

From a point 0.6 mile downstream of Mecklenburg County SR 2074 to a point 0.4 mile upstream of Mecklenburg County SR 1606

11-120-(2.5)

WS-IV

11.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Suspended Solids	4t
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	4i
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3a
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Lower Creek

From source to Zack's Fork

11-39-(0.5)a

C

8.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lower Creek

From Zack's Fork to Caldwell County SR 1143

11-39-(0.5)b

C

5.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Total Suspended Solids	3t
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3i
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Lower Creek

From Caldwell County SR 1143 to Husband Creek

11-39-(6.5)a

WS-IV

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Total Suspended Solids	3t
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3i
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lower Creek

From Husband Creek to a point 0.7 mile downstream of Bristol Creek

11-39-(6.5)b

WS-IV

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Suspended Solids	4t
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	4i
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lower Creek

From a point 0.7 mile downstream of Bristol Creek to Rhodhiss Lake, Catawba River

11-39-(9)

WS-IV;CA

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Suspended Solids	4t
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	4i
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lower Little River

From source to Lambert Fork

11-69-(0.5)a

C

7.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lower Little River

From Lambert Fork to a point 0.5 mile upstream of mouth of Stirewalt Creek

11-69-(0.5)b

C

6.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Lower Little River

From a point 0.5 mile upstream of of mouth Stirewalt Creek to a point 0.8 mile upstream of mouth

11-69-(5.5)

WS-IV

8.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Lyle Creek

From Bakers Creek to U.S. Hwys. 64 & 70

11-76-(3.5)

WS-IV

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Lyle Creek

From U.S. Hwys. 64 & 70 to Lake Norman, Catawba River

11-76-(4.5)

WS-IV;CA

5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mackey Creek

From Laurel Fork Creek to US 70

11-15-(3.5)a

C

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Mackey Creek

From US 70 to Catawba River

11-15-(3.5)b

C

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Toxic Impacts	1b

Marks Mountain Branch

From source to Gragg Prong

11-38-34-11-3-5

C;Tr,ORW

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

McDowell Creek

From source to U.S. Hwy. 21

11-115-(1)

C

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	4b

McDowell Creek

From U.S. Hwy. 21 to SR 2136 Mecklenburg Co

11-115-(1.5)a

WS-IV

4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	4b

McDowell Creek

From SR2136 Mecklenburg Co to a point 0.7 mile upstream of mouth

11-115-(1.5)b

WS-IV

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4b



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

McDowell Creek

From a point 0.7 mile upstream of mouth to Mountain Island Lake, Catawba River

11-115-(5)

WS-IV;CA

94.8 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1

McGalliard Creek

From a point 0.6 mile upstream of mouth to Rhodhiss Lake, Catawba River

11-44-(3)

WS-IV;CA

3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5

McGill Creek

From source to Crowders Creek

11-135-2

C

3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

McLin Creek

From source to Catawba County SR 1734

11-76-5-(0.3)

C

3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

McLin Creek

From Catawba County SR 1734 to a point 0.2 mile upstream of Catawba County SR 1722

11-76-5-(0.7)

WS-IV

6.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

McLin Creek From a point 0.2 mile upstream of Catawba County SR 1722 to Lyle Creek
11-76-5-(3) WS-IV;CA 0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Middle Little River From source to Duck Creek
11-62a C 14.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Middle Little River From Duck Creek Lake Hickory
11-62b C 6.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Mill Creek From source to Swannanoa Creek
11-7-(0.5) C;Tr,HQW 5.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Muddy Creek From source to a point 0.5 mile upstream of mouth
11-32-(0.5) C 4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Muddy Fork From source to SR 1409
11-69-4 C 6.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Mulberry Creek From Boone Branch to Dam at Mulberry Beach
11-38-32-(11) B;HQW 2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Mulberry Creek From Dam at Mulberry Beach to Johns River
11-38-32-(15) C 5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

North Fork Catawba River From source to mouth of Laurel Branch
11-24-(1) C;Tr 5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North Fork Catawba River

From Armstrong Creek to Lake James, Catawba River

11-24-(13)

C

7.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

North Fork Catawba River

From mouth of Laurel Branch to Stillhouse Branch

11-24-(2.5)a

B;Tr

7.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

North Fork Catawba River

From Stillhouse Branch to Armstrong Creek

11-24-(2.5)b

B;Tr

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Paddy Creek

From source to 1.5mi upstream of Lake James

11-28

C;Tr

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Parks Creek

From source to Johns River

11-38-35

C

5.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Pee Dee Branch

From source to Hunting Creek

11-36-2

WS-IV

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Pepper Creek

From source to North Fork Catawba River

11-24-10

C;Tr

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Poplar Creek

From source to Lambert Fork

11-69-3-1

C

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Reedy Branch

From source to Buck Creek

11-19-8

WS-II,B;HQW

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Reids Creek

From source to Johns River

11-38-29

C

2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Robinette Creek

From source to Lower Little River

11-69-1.5

B

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Roses Creek

From source to Armstrong Creek

11-24-14-6

C;Tr,HQW

2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Scott Creek

From source to Jumping Run

11-69-7-1-1

WS-IV

1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Shadrick Creek

From source to Old Catawba River

11-32-3-1

C

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Shooks Creek

From source to Linville River

11-29-22

C;Tr

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (6 su, AL, FW)	4t
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Silver Creek

From source to a point 1.3 miles downstream of Clear Creek

11-34-(0.5)

C

15.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Silver Creek From a point 0.7 mile upstream of mouth to Lake Hickory, Catawba River
11-56-(2) WS-IV;CA 0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Singecat Branch From source to Buck Creek
11-19-2 WS-II,B;HQW 1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Smoky Creek From source to a point 0.6 mile upstream of mouth
11-41-(1) WS-IV 7.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Snow Creek From source to Lake Hickory, Catawba River
11-61 C 4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

South Crowders Creek From source to South Fork Crowders Creek
11-135-10-1 C 5.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4c

South Fork Crowders Creek North Carolina Portion
11-135-10 C 5.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Fork Hoppers Creek

From source to Hoopers Creek

11-32-2-9-1

C

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

South Muddy Creek

From source to Muddy Creek

11-32-2

C

16.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Spainhour Creek

From source to Lower Creek

11-39-3

C

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Stack Rock Creek (Gabes Mountain Branch)

From source to Wilson Creek

11-38-34-5

C;Tr,ORW

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Swannanoa Creek

From source to Mill Creek

11-7-9

C;Tr

3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Thunderhole Branch

From source to Johns River

11-38-5

C

5.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Toms Creek (Morgan Lake)	From McDowell County SR 1434 to Catawba River		
11-21-(6)	C	3.5	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Upper Little River (Cedar Creek)	From source to Morris Creek		
11-58	C	9.1	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Upper Little River (Cedar Creek)	From Morris Creek to a point 0.5 mile upstream of mouth		
11-58-(5.5)	WS-IV	9.8	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
UT Crowders Creek	From source to Crowders Creek		
11-135cut6	C	1.9	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
UT LAKE JAMES	Source to LAKE JAMES		
11-(23)ut8		1.8	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
UT to Blair Fork	From source to Blair Fork		
11-39-3-1ut2	C	2.1	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Crowders Creek

From source to Crowders Creek

11-135fut1

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Fecal Coliform (GM 200/400, REC, FW)	3t

UT to Crowders Creek (no feature mapped)

From Source to Crowders Creek

11-135cut7

0.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Frankum Creek

From source to Frankum Creek

11-38-32-9ut3

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (6 su, AL, FW)	4t
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

UT to South Fork Hoppers Creek

From source to South Fork Hoppers Creek

11-32-2-9-1ut2

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Warrior Fork From source to Irish Creek

11-35-(1)a WS-III 5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Warrior Fork From Irish Creek to a point 0.6 mile upstream of City of Morganton water supply intake

11-35-(1)b WS-III 3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

White Creek From source to Lake James, Catawba River

11-30 C 3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

White Mill Creek From a point 0.6 mile downstream of Burke County -Caldwell County Line to Bristol Creek

11-39-8-1-(2) WS-IV 3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Wilson Creek

From source to Johns River

11-38-34

B;Tr,ORW

23.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Work Creek

From source to Lake Norman, Catawba River

11-105

WS-IV,B;CA

5.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f



Final 2016 Integrated Report-All Assessed Waters

Catawba River Headwaters Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Youngs Fork (Coperning Creek)

From source to Marion WWTP

11-32-1-4a C 3.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Youngs Fork (Coperning Creek)

From Marion WWTP to North Muddy Creek

11-32-1-4b C 1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

Zacks Fork Creek

From source to Lower Creek

11-39-1 C 8.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Beaverdam Creek

From a point 0.3 mile upstream of Gaston County SR 1626 to South Fork Catawba River

11-129-9-(0.7) WS-IV 8.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

CATAWBA RIVER (Lake Wylie below elevation 570) North Carolina portion

From the upstream side of Paw Creek Arm of Lake Wylie to North Carolina-South Carolina State Line

11-(123.5)a

WS-V,B

4,294.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Total Phosphorus	1t
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1i
Meeting Criteria	< 10%	Total Nitrogen	1t
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

**CATAWBA RIVER (Lake Wylie
South FK Catawba Arm) North
Carolina portion**

South Fork Catawba River Arm of Lake Wylie

11-(123.5)b

WS-V,B

1,291.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Data Inconclusive	> 10% and >90 conf	Water Temperature (32°C, AL, LP&CP)	3v
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Total Nitrogen	1t
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Total Phosphorus	1t
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1i
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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South Fork of the Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Clark Creek

From a point 0.9 mile upstream of Walker Creek to South Fork Catawba R.

11-129-5-(9.5)

WS-IV

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Clark Creek (Shooks Lake)

From Miller Branch to 0.9 mile upstream of Walker Creek

11-129-5-(0.3)b

C

16.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

South Fork of the Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Dallas Branch

From Dallas WWTP to Long Creek

11-129-16-7b

C

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Henry Fork

From Laurel Creek to State Route 1124

11-129-1-(12.5)a

C

10.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Henry Fork

From State Route 1124 to State Route 1143

11-129-1-(12.5)b

C

4.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

South Fork of the Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Henry Fork

From State Route 1143 to Jacob Fork

11-129-1-(12.5)c

C

8.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Henry Fork

From Morganton Water Intake to Laurel Creek

11-129-1-(2)

C;ORW

19.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Howards Creek

From source to South Fork Catawba River

11-129-4

C

13.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

South Fork of the Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hoyle Creek From a point 0.2 mile downstream of Mauney Creek to South Fork Catawba River

11-129-15-(6) WS-IV;CA 0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Indian Creek From source to a point 0.5 mile upstream of Mill Creek

11-129-8-(1) WS-II;HQW 14.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Indian Creek From a point 0.5 mile upstream of Mill Creek to a point 0.4 mile upstream of mouth of Lick Fork (Town of Cherryville water supply)

11-129-8-(3.5) WS-II;HQW,CA 0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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South Fork of the Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Indian Creek

From a point 0.3 mile upstream of Lincoln County SR 1169 to South Fork Catawba River

11-129-8-(6.5)

WS-IV

6.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

South Fork of the Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Jacob Fork

From Little River to Camp Creek

11-129-2-(4)

WS-III;ORW

6.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and < 90% conf	pH (6 su, AL, FW)	5e
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Jacob Fork

From Camp Creek to a point 0.6 mile upstream of mouth

11-129-2-(9.5)

WS-III

40.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

South Fork of the Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Laurel Creek From source to Henry Fork

11-129-1-13 C 6.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Leonard Creek From source to a point 0.2 mile downstream of Lincoln County SR 1180

11-129-8-7-(1) C 5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Lick Fork From source to Indian Creek

11-129-8-6 C 4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Limekiln Creek From source to Long Creek

11-129-16-2 WS-II;HQW 1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Little Beaverdam Creek From a point 0.5 mile upstream of N.C. Hwy. 277 to Beaverdam Creek

11-129-9-1-(2) WS-IV 3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not assessed	pH (6 su, AL, FW)	3t

Little Creek From source to Indian Creek

11-129-8-3 WS-II;HQW 4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

South Fork of the Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Indian Creek

From source to Indian Creek

11-129-8-2

WS-II;HQW

6.3 FW Miles

<i>Assessment Criteria Status</i>	<i>Reason for Rating</i>	<i>Parameter of Interest</i>	<i>Category</i>
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little River

From source to Jacob Fork

11-129-2-5

WS-III;Tr,ORW

5.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Water Temperature (20°C, AL, Tr)	3a
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

South Fork of the Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Long Creek

From Mountain Creek to South Fork Catawba River

11-129-16-(4)

C

15.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Maiden Creek

From dam at Maiden Reservoir located 680 feet more or less upstream from the bridge on Catawba County SR 1810 to Pinch Gut Creek

11-129-5-7-2-(3)

C

0.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

South Fork of the Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mauney Creek

From source to Hoyle Creek

11-129-15-5

WS-IV

4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Mill Creek

From source to a point 0.5 mile upstream of mouth

11-129-8-4-(1)

WS-II;HQW

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Pott Creek

From a point 0.3 mile upstream of Lincoln County SR 1217 to South Catawba Fork River

11-129-3-(0.7)

WS-IV

3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

South Fork of the Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Fork Catawba River

From source to Catawba-Lincoln County Line

11-129-(0.5)

WS-V

8.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

South Fork of the Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Fork Catawba River

From Town of High Shoals water supply intake to a point 0.6 mile upstream of N.C. Hwy. 275

11-129-(10.5)

WS-IV

8.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

South Fork Catawba River

From a point 0.6 mile upstream of N.C. Hwy. 275 to a point 0.4 mile upstream of Long Creek (Towns of Dallas, Gastonia & Ranlo water supply intakes)

11-129-(14.5)

WS-IV;CA

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

South Fork of the Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Fork Catawba River

From a point 0.4 mile upstream of Long Creek to Cramerton Dam and Lake Wylie at Upper Armstrong Bridge

11-129-(15.5)

WS-V

18.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Stacy Creek

From source to Henry Fork

11-129-1-7

C;ORW

2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

South Fork of the Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Tanyard Creek

From source to Howards Creek

11-129-4-1

C

4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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South Fork of the Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to South Fork Catawba River

Source to South Fork Catawba River

11-129-(15.5)ut17

FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Davis Mine Creek

From source to Price Mill Creek

11-138-2-2-1

C

4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1



Final 2016 Integrated Report-All Assessed Waters

Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

East Fork Twelvemile Creek

From source to Twelvemile Creek

11-138-2

C

13.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Irwin Creek

From source to Sugar Creek

11-137-1

C

11.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Exceeding Criteria	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	5e
Exceeding Criteria	> 10% and < 90% conf	Lead (25 µg/l, AL, NC)	5e
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1t
Meeting Criteria	< 10%	BOD	1t
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1i
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	4s
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Sugar Creek

From source to Archdale Rd

11-137-8a

C

11.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	4i
Exceeding Criteria	> 10% and >90 conf	Total Suspended Solids	4t
Data Inconclusive	> 10% and < 90% conf	Mercury (0.012 µg/l, FC, FW)	3a
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	4s
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	4s
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



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Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Sugar Creek

From Archdale Rd to NC 51

11-137-8b

C

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	4s
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Sugar Creek

From NC 51 to North Carolina-South Carolina State Line

11-137-8c

C

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	4s
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

McAlpine Creek (Waverly Lake)

From source to SR 3356, (Sardis Rd)

11-137-9a

C

8.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	BOD	1t
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1i
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

McAlpine Creek (Waverly Lake)

From SR 3356 to NC 51

11-137-9b

C

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	BOD	1t
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1i
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

McAlpine Creek (Waverly Lake)

From NC 51 to NC 521

11-137-9c

C

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Meeting Criteria	< 10%	BOD	1t
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1i
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

McAlpine Creek (Waverly Lake)

From NC 521 to North Carolina-South Carolina State Line

11-137-9d

C

1.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	BOD	1t
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1i
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Arsenic (50 µg/l, AL, NC)	3z1
Data Inconclusive	Not assessed	Zinc (50 µg/l, AL, FW)	3z1
Data Inconclusive	Not assessed	Nickel (25 µg/l, WS, WS)	3z1
Data Inconclusive	Not assessed	Lead (25 µg/l, AL, NC)	3z1
Data Inconclusive	Not assessed	Mercury (0.012 µg/l, FC, FW)	3z1
Data Inconclusive	Not assessed	Copper (7 µg/l, AL, FW)	3z1
Data Inconclusive	Not assessed	Arsenic (10 µg/l, HH, NC)	3z1
Data Inconclusive	Not assessed	Cadmium (2 µg/l, AL, FW)	3z1
Data Inconclusive	Not assessed	Chromium (20 µg/l, AL, SW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

McCullough Branch

From source to Sugar Creek

11-137-7

C

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

McMullen Creek

From source to McAlpine Creek

11-137-9-5

C

13.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1



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Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Sixmile Creek

From source to North Carolina-South Carolina State Line

11-138-3

C

8.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5



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Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Sugar Creek

From source to below WWTP, SR 1156, Mecklenburg

11-137a

C

0.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Sugar Creek

From SR 1156 Mecklenburg to Hwy 51

11-137b

C

10.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	4s
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Sugar Creek

From Hwy 51 NC/SC border

11-137c

C

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Total Suspended Solids	1t
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Catawba River Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Twelvemile Creek

From source to North Carolina-South Carolina State Line

11-138

C

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Waxhaw Creek

From source to North Carolina-South Carolina State Line

11-139

C

16.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

West Fork Twelvemile Creek

From source to Twelvemile Creek

11-138-1

C

12.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



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Upper Catawba Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Hunting Creek

From source to Hunting Creek

11-36-(0.7)but1

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1



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Upper Catawba Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

UT to Lyle Creek

Source to Lyle Creek

11-76-(4.5)ut3

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

UT to UT to Lyle Creek

Source to UT to Lyle Creek

11-76-(4.5)ut3ut1

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



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Upper New Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Little River

Source to Little River

10-9-(6)ut7

FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Upper New Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description	Length/Area	Units
Assessment Unit Number	Water Quality Classification		

UT to UT to Little River

Source to UT to Little River

10-9-(6)ut7ut3

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1



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Upper New Subbasin

Catawba River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

French Broad River Subbasin 06010105

French Broad River Basin

Avery Creek (Dubose Lake)

From source to French Broad River

6-60

B

5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Bad Fork

From source to Wash Creek

6-54-2-6-1

WS-II;Tr,HQW

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Barnett Branch

From source to South Fork Mills River

6-54-3-3

WS-II;Tr,ORW

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Bat Fork

From source to State Route 1779

6-55-8-1a

C

4.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bat Fork	From State Route 1779 to Johnson Drainage Ditch		
6-55-8-1b	C	1.5	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5

Beasley Branch	From source to Cherryfield Creek		
6-11-2	C	1.3	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Beaverdam Creek	From source to South Hominy Creek		
6-76-5-8	C;Tr	6.2	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Beetree Creek	From Asheville Water Supply Dam to Swannanoa River		
6-78-15-(6)	C	3.9	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Beetree Creek (Beetree Reservoir)	From source to Asheville Water Supply Dam		
6-78-15-(1)	WS-I;HQW	5.0	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Bent Creek	From source to Powhatan Dam		
6-67-(1)	B;Tr	3.5	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bent Creek

From Powhatan Dam to French Broad River

6-67-(7)

B

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Big Bearpen Branch

From source to Looking Glass Creek

6-34-12-3

B;Tr,HQW

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Big Branch

From source to Little Ivy Creek

6-96-10-5

WS-II;HQW

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Big Creek

From source to Shelton Laurel Creek

6-112-26-2

C;Tr,ORW

5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Big Laurel Creek

From source to Shleton Laurel Creek

6-112a

C;Tr,ORW

25.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Big Laurel Creek

From Shleton Laurel Creek to French Broad River

6-112b

C;Tr,ORW

4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Big Mountain Branch

From source to North Fork French Broad River

6-3-13

C;Tr

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Big Pine Creek

From source to French Broad River

6-108

C

7.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Bill Moore Creek (Enka Lake)

From source to backwaters of Enka Lake

6-76-7a

C

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Boylston Creek

From a point 0.3 mile upstream of Murray Branch to French Broad River

6-52-(6.5)

WS-IV

6.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Brandy Branch

From source to Mills River

6-54-6

WS-III

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Bull Creek

From source to Ivy Creek

6-96-16

C

3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

California Creek	From source to Sprinkle Creek		
6-96-10-2a	WS-II;HQW	3.6	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

California Creek	From Sprinke Creek to Little Ivy Creek		
6-96-10-2b	WS-II;HQW	3.8	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Cane Creek	From Ashworth Creek to Hooper Creek Cushion Branch		
6-57-(9)a1	C	8.8	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Cane Creek	From Hooper Creek to Cushion Branch		
6-57-(9)a2	C	0.8	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Cane Creek	From Cushion Branch to French Broad River		
6-57-(9)b	C	2.4	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Canie Creek	From source to Hominy Creek		
6-76-12	C	2.3	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Carson Creek

From Carson Creek dam to French Broad River

6-20b

B;Tr

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Cedar Rock Creek

From source to Catheys Creek

6-16-6

WS-II;Tr,HQW

2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cherryfield Creek

From source to French Broad River

6-11

C;Tr

4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (6 su, AL, FW)	5
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Chestnut Creek

From source to Stony Fork

6-76-5-3-2

C;Tr

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Clear Creek

From source to Laurel Creek

6-55-11-(1)a

B;Tr

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Clear Creek

From Laurel Creek to Puncheon Camp Creek

6-55-11-(1)b

B;Tr

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Clear Creek

From Puncheon Camp Creek to Lewis Creek

6-55-11-(1)c

B;Tr

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Clear Creek

From Lewis Creek to Laurel Branch

6-55-11-(5)a

C

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Clear Creek

From Laurel Branch to Mud Creek

6-55-11-(5)b

C

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Coles Cove Branch

From source to Flat Creek

6-88-1

C

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Cove Creek

From source to Davidson River

6-34-6

B;Tr,HQW

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Crab Creek

From source to Little River

6-38-23

C;Tr,HQW

5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Crooked Creek

From source to Middle Fork Little Ivy Creek

6-96-10-1-8

WS-II;HQW

3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Davidson River

From source to Avery Creek

6-34-(1)

WS-V,B;Tr,HQW

8.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (6 su, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Water Temperature (20°C, AL, Tr)	3a
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Davidson River

From Avery Creek to Olin Corporation Water Supply Dam

6-34-(15.5)

WS-V,B;Tr

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (6 su, AL, FW)	4t
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Davidson River

From Olin Corporation Water Supply Dam to French Broad River

6-34-(21)

B

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Devils Fork

From first unnamed tributary west of State Route 1006 to Johnson Drainage Ditch

6-55-8-2b

C

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Diamond Creek

From source to North Fork French Broad River

6-3-16

C;Tr

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Doe Branch

From source to French Broad River

6-110

C

3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

East Fork French Broad River

From source to French Broad River

6-6

B;Tr,HQW

10.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

East Prong Hickory Fork

From source to Hickory Fork

6-112-26-7-2

C;ORW

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Emma Branch

From source to Smith Mill Creek

6-79-2

C

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Flat Creek From source to West Fork French Broad River

6-2-10 C;Tr 1.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Flat Creek From source to French Broad River

6-88 C 11.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Foster Creek From source to Big Laurel Creek

6-112-11 C;Tr,ORW 3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

FRENCH BROAD RIVER

From source to Nicholson Creek

6-(1)

B;Tr

19.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

FRENCH BROAD RIVER

From Lamb Creek to Glade Creek

6-(27)b

B

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

FRENCH BROAD RIVER

From Glade Creek to Bryson Creek

6-(27)c

B

8.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	pH (6 su, AL, FW)	3a
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

FRENCH BROAD RIVER

From Mud Creek to NC 146

6-(54.75)b

B

8.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

FRENCH BROAD RIVER

From NC 146 to Craggy Dam

6-(54.75)c

B

19.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

FRENCH BROAD RIVER

From Craggy Dam to Fletcher Martin Road

6-(54.75)d

B

6.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

FRENCH BROAD RIVER

From Fletcher Martin Road to Sandymush Creek

6-(54.75)e

B

3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

FRENCH BROAD RIVER

From Sandymush Creek to North Carolina-Tennessee State Line

6-(54.75)f

B

33.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Friezeland Creek

From source to Spring Creek

6-118-10

C;Tr,ORW

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Gash Creek

From source to French Broad River

6-47

C

3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Glady Fork

From source to East Fork French Broad River

6-6-7

C;Tr

1.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Glady Fork

From source to South Hominy Creek

6-76-5-5

C;Tr

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Holcombe Branch

From source to California Creek

6-96-10-2-1

WS-II;HQW

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Hominy Creek

From source to George Branch

6-76a

C

9.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hominy Creek

From George Branch to South Hominy Creek

6-76b

C

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Hominy Creek

From South Hominy Creek to Moore Creek

6-76c

C

3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Hominy Creek

From Moore Creek to French Broad River

6-76d

C

7.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Ivy Creek (River) From source to Little Ivy Creek Adkins Branch

6-96-(0.5)a WS-II;HQW 6.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Ivy Creek (River) From Little Ivy Creek to Adkins Branch

6-96-(0.5)b WS-II;HQW 0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Ivy Creek (River) From Adkins Branch to a point 0.6 mile downstream of Adkins Branch (Town of Mars Hill water supply intake)

6-96-(11.3) WS-II;HQW,CA 0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Ivy Creek (River) From a point 0.6 mile downstream of Adkins Branch to French Broad River

6-96-(11.7) C 10.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Kagle Creek (Kayle Creek) From source to Catheys Creek

6-16-7 WS-II;Tr,HQW 0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Laurel Branch

From source to North Fork French Broad River

6-3-9

C;Tr

1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Lewis Creek

From source to Clear Creek

6-55-11-6

C;Tr

3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Little Creek

From source to Big Laurel Creek

6-112-8.5

C;Tr,ORW

3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Little Hurricane Creek

From source to Big Laurel Creek

6-112-28

C;Tr,ORW

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Little Ivy Creek (River)

From California Creek to State Route 1547

6-96-10a

WS-II;HQW

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Little Ivy Creek (River)

From State Route 1547 to Ivy Creek

6-96-10b

WS-II;HQW

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Laurel Creek From source to Shelton Laurel Creek

6-112-26-13 C;Tr,ORW 8.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Little Pine Creek From source to French Broad River

6-104 C 5.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Little River From Cascade Lake Dam to French Broad River

6-38-(20) C 4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little River (Cascade Lake)

From source to Merrill Creek (Cascade Lake Dam)

6-38-(1)

C;Tr

14.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Log Hollow Branch

From source to Big Bearpen Branch

6-34-12-3-1

B;Tr,HQW

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Lower Creek

From source to East Fork French Broad River

6-6-10

C;Tr,HQW

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Mason Creek

From source to Cherryfield Creek

6-11-3

C;Tr

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Meadow Fork From source to Spring Creek
6-118-19 C;Tr,ORW 10.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Middle Fork French Broad River From source to French Broad River
6-5 B;Tr 4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Middle Fork Little Ivy Creek From source to Bailey Branch
6-96-10-1a WS-II;HQW 3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Mill Creek From source to Shelton Laurel Creek
6-112-26-1 C;Tr,ORW 4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Mill Pond Creek From source to French Broad River
6-51 WS-IV 3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mills River

From River Mile 1.03 to a point 0.5 mile upstream of N.C. Hwy. 191

6-54-(1)b

WS-II;Tr,HQW

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and < 90% conf	pH (6 su, AL, FW)	5e
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Mills River

From City of Hendersonville water supply intake to a point 0.7 mile upstream of mouth of Mills River

6-54-(5)

WS-III

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Moore Branch

From source to French Broad River

6-77

C

1.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Moore Creek

From source to Hominy Creek

6-76-8

C

3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Morgan Mill Creek (Kaiser Lake)

From US 64 to River Mile 1.92

6-10-1b

B;Tr

0.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Morgan Mill Creek (Kaiser Lake)

From River Mile 1.92 to Peter Weaver Creek

6-10-1c

B;Tr

0.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Mud Creek

From source to State Route 1125

6-55a

C

2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Mud Creek

From State Route 1125 to Little Mud Creek

6-55b

C

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mud Creek

From Little Mud Creek to Clear Creek Byers Creek

6-55c1

C

7.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mud Creek

From Clear Creek to Byers Creek

6-55c2

C

3.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Mud Creek

From Byers Creek to French Broad River

6-55d

C

2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Negro Prong

From source to Catheys Creek

6-16-8

WS-II;Tr,HQW

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Newfound Creek

From source to SR 1296

6-84a

C

3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Newfound Creek

From State Route 1296 to SR 1297

6-84b

C

1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	4t



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Newfound Creek

From State Route 1297to State Route 1378

6-84c

C

2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Newfound Creek

From State Route 1378 to Dix Creek

6-84d

C

4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	4t

Newfound Creek

From Dix Creek to French Broad River

6-84e

C

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5

Nicholson Creek

From source to French Broad River

6-28

C;Tr

3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North Fork French Broad River From Indian Creek to French Broad River

6-3-(6.5) B;Tr 10.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

North Fork Mills River From Hendersonville Water Supply Dam to Rocky Fork

6-54-2-(4) WS-II;Tr,HQW 2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

North Fork Mills River From North Fork Mills River Recreation Area Swimming Pool Intake to Mills River

6-54-2-(9) WS-II;Tr,HQW 2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

North Fork Swannanoa River From Asheville Water Supply Dam to Swannanoa River

6-78-11-(13) C 5.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

North Fork Swannanoa River (Burnett Reservoir) Burnett Reservoir

6-78-11-(1)b WS-I;HQW 325.9 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1

Norton Creek (Tucker Creek) From source to Nicholson Creek

6-28-2 C;Tr 1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Paint Fork	From source to Little Ivy Creek		
6-96-10-3	WS-II;HQW	7.1	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Parker Creek	From source to West Fork French Broad River		
6-2-4	C;Tr	4.2	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Peter Weaver Creek	From Morgan Mill Creek to French Broad River		
6-10b	C;Tr	0.8	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Pole Creek	From source to Hominy Creek		
6-76-6	C	5.3	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Powell Creek (Lake Julian)	From source to French Broad River		
6-62	C	295.0	FW Acres
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Puncheon Camp Branch

From source to Big Pine Creek

6-108-7

C

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Puncheon Fork

From source to Big Laurel Creek

6-112-5

C;Tr,ORW

5.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Reasonover Creek

From Lake Julia Dam to Little River

6-38-14-(6)

C;Tr

0.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4c

Reems Creek

From source to U.S. Highway 23

6-87-(1)

C;Tr

10.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Reems Creek

From U.S. Highway 23 Bridge to French Broad River

6-87-(10)

C

4.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Right Fork North Fork Swannanoa River From source to North Fork Swannanoa River

6-78-11-7 WS-I;HQW 3.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Roaring Fork From source to Big Laurel Creek

6-112-9 C;Tr,ORW 2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Ross Creek (Lake Kenilworth) From source to I-240

6-78-23a B 2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Ross Creek (Lake Kenilworth) From I-240 to backwaters of Lake Kenilworth

6-78-23b B 1.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Sandymush Creek From Little Sandymush Creek to French Broad River

6-92-(9) C 10.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Shelton Laurel Creek

From source to Big Laurel Creek

6-112-26

C;Tr,ORW

14.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Shut-in Creek

From source to French Broad River

6-125

C;Tr

3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Slate Rock Creek

From source to Bradley Creek

6-54-3-17-3

WS-I;ORW

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

South Fork Flat Creek

From source to Flat Creek

6-2-10-2

C;Tr

4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

South Fork Mills River

From source to the upstream side of mouth of Queen Creek

6-54-3

WS-II;Tr,ORW

21.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

South Fork Mills River

From the upstream side of mouth of Queen Creek to Mills River

6-54-3-(17.5)

WS-II;Tr,HQW

4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Hominy Creek

From source to Warren Creek

6-76-5a

C;Tr

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

South Hominy Creek

From Warren Creek to Hominy Creek

6-76-5b

C;Tr

7.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Spillcorn Creek

From source to Big Laurel Creek

6-112-21

C;Tr,ORW

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Spring Creek

From source to Reservoir Branch

6-118-(1)

C;Tr,ORW

20.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Spring Creek

From Reservoir Branch to French Broad River

6-118-(27)

C;ORW

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Spruce Fork

From source to Beetree Creek

6-78-15-7

C

1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Stony Fork

From source to South Hominy Creek

6-76-5-3

C;Tr

4.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Swannanoa River

From source to North Fork Swannanoa River

6-78a

C

7.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Swannanoa River

From North Fork Swannanoa River to Beetree Creek

6-78b

C

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Swannanoa River

From Beetree Creek to Bull Creek

6-78c

C

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Swannanoa River

From Bull Creek to French Broad River

6-78d

C

11.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Tucker Creek

From source to Fish Farm

6-3-10a

C;Tr

4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Tucker Creek

From Fish Farm North to Fork French Broad River

6-3-10b

C;Tr

0.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Turkey Creek

From source to Sandymush Creek

6-92-13

C

9.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Upper Creek

From source to East Fork French Broad River

6-6-8

C;Tr,HQW

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT FRENCH BROAD R

Source to FRENCH BROAD R

6-(47.5)ut23

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

UT to Catheys Creek

From source to Catheys Creek

6-16-(0.5)ut3

1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Little Pole Creek

From source to Little Pole Creek

6-76-6-2ut1

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	5
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Mud Creek

From source to Mud Creek

6-55cut15

1.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1



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French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Walnut Creek

From source to French Broad River

6-106

C

11.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Warren Creek From source to South Hominy Creek

6-76-5-4 C;Tr 3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Webb Branch From source to Hominy Creek

6-76-4 C 3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

West Fork French Broad River From source to Above trout farms

6-2-(0.5)a B;Tr 1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

West Fork French Broad River From Above trout farms to below trout farm

6-2-(0.5)b B;Tr 0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

West Fork French Broad River From below trout farm to Transylvania County SR 1312

6-2-(0.5)c B;Tr 5.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

West Fork French Broad River

From Transylvania County SR 1312 to French Broad River

6-2-(7.5)

B;Tr,HQW

4.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Wilson Branch

From source to Big Laurel Creek

6-112-3

C;ORW

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Wolf Laurel Branch

From source to Puncheon Fork

6-112-5-2

C;Tr,ORW

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (10 NTU, AL, Tr)	5
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

French Broad River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Woodruff Branch

From source to West Fork French Broad River

6-2-12

C;Tr

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Allen Creek

Allen Creek Reservoir

5-16-7-(1)b

WS-I;Tr,HQW

50.9 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1



Final 2016 Integrated Report-All Assessed Waters

Pigeon River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Big Creek

From source to Pigeon River

5-59

C;Tr,HQW

13.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Cataloochee Creek

From source to Walters Lake, Pigeon River

5-41

C;Tr,ORW

8.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Pigeon River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Crabtree Creek

From source to Pigeon River

5-22

C

3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Crawford Creek

From source to East Fork Pigeon River

5-3-9

WS-III;Tr

4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

East Fork Pigeon River

From a point 0.5 miles upstream of Bee Branch to Pigeon River

5-3-(6.5)

WS-III;Tr

13.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Fines Creek

From source to Pigeon River

5-32

C

9.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

Hurricane Creek

From source to Pigeon River

5-44

C;Tr

5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Hyatt Creek

From source to State Route 1159

5-16-6a

C

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Pigeon River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hyatt Creek From source to Hyatt Creek

5-16-6aut1 0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Hyatt Creek From State Route 1159 to Richland Creek

5-16-6b C 2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Inman Branch

From source to West Fork Pigeon River

5-2-16

WS-III;Tr

2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (10 NTU, AL, Tr)	5
Data Inconclusive	> 10% and < 90% conf	Water Temperature (20°C, AL, Tr)	3a
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Pigeon River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Jonathans Creek

From a point 0.4 mile downstream of Fie Creek to Pigeon River

5-26-(7)

C;Tr

14.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (10 NTU, AL, Tr)	3a
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Nolen Creek

From source to Richland Creek

5-16-4

C;Tr

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



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Pigeon River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

PIGEON RIVER

From Garden Creek to Canton Water Intake

5-(6.5)

WS-III;Tr,CA

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Water Temperature (20°C, AL, Tr)	3a
Data Inconclusive	> 10% and < 90% conf	Turbidity (10 NTU, AL, Tr)	3a
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

PIGEON RIVER

From Crabtree Creek to 0.5 miles upstream of Panther Creek White Oak Road

5-(7)d1

C

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Pigeon River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

PIGEON RIVER

From 0.5 miles upstream of Panther Creek White Oak Road

5-(7)d2

C

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

PIGEON RIVER (Waterville Lake below elevation 2258)

From Canton Water Supply Intake to 0.15 miles downstream of W. Park St.

5-(7)a

C

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Pigeon River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

PIGEON RIVER (Waterville Lake below elevation 2258)

From 0.15 miles downstream of W. Park St to State Route 1642 (Main Street)

5-(7)b

C

6.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

PIGEON RIVER (Waterville Lake below elevation 2258)

From State Route 1642 (Main Street) to Crabtree Creek

5-(7)c

C

7.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Pigeon River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

PIGEON RIVER (Waterville Lake below elevation 2258)

From White Oak Road to Waterville Reservoir Dam

5-(7)e

C

773.1 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	> 10% and >90 conf N<10	Turbidity (25 NTU, AL, FW acres & SW)	3a

PIGEON RIVER (Waterville Lake below elevation 2258)

From Waterville Reservoir Dam to North Carolina/Tennessee State line

5-(7)f

C

12.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Lead (25 µg/l, AL, NC)	3z1
Data Inconclusive	Not assessed	Zinc (50 µg/l, AL, FW)	3z1
Data Inconclusive	Not assessed	Copper (7 µg/l, AL, FW)	3z1
Data Inconclusive	Not assessed	Chromium (20 µg/l, AL, SW)	3z1
Data Inconclusive	Not assessed	Arsenic (10 µg/l, HH, NC)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Arsenic (50 µg/l, AL, NC)	3z1



Final 2016 Integrated Report-All Assessed Waters

Pigeon River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Raccoon Creek

From source to Richland Creek

5-16-14

B

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	4c
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a

Richland Creek

From Lake Junaluska Dam to Jones Cove Branch

5-16-(16)a

C

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Pigeon River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Richland Creek

From Jones Cove Branch to Pigeon River

5-16-(16)b

C

0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1



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Pigeon River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Richland Creek (Lake Junaluska)

From source to US Route 23

5-16-(1)a

B;Tr

8.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5r
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Pigeon River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Richland Creek (Lake Junaluska)

From US Route 23 to Boyd Ave

5-16-(1)b

B;Tr

2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3c
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5r
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Pigeon River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Richland Creek (Lake Junaluska)

From Boyd Ave to Depot Street

5-16-(11.5)a

B

0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3c
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5r
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Pigeon River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Richland Creek (Lake Junaluska)

From Depot Street to Shelton Branch

5-16-(11.5)b

B

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5r
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Pigeon River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Richland Creek (Lake Junaluska)

From Shelton Branch to backwater of Lake Junaluska

5-16-(11.5)c

B

2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3c
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5r
Meeting Criteria	FCB AP GM <200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Richland Creek (Lake Junaluska)

Lake Junaluska

5-16-(11.5)d

B

200.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f



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Pigeon River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Jonathans Creek

Source to Jonathans Creek

5-26-(7)ut15

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5



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Pigeon River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Raccoon Creek

From source to Raccoon Creek

5-16-14ut2

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1



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Pigeon River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

West Fork Pigeon River (Lake Logan)

From source to backwaters of Lake Logan

5-2a

WS-III;Tr

7.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Winchester Creek

From source to Richland Creek

5-16-3

C;Tr

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



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Nolichucky River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bald Creek

From source to Cane River

7-3-22

C

6.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Bald Mountain Creek

From source to Cane River

7-3-32

C;Tr

8.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Banks Creek

From source to Price Creek

7-3-21-4

C;Tr

4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Beans Creek

From source to Big Rock Creek

7-2-64-12

C;Tr

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Bear Creek

From source to North Toe River

7-2-46

C;Tr

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Nolichucky River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Big Crabtree Creek (Crabtree Creek)

From source to North Toe River

7-2-48

C;Tr

14.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Big Creek

From a point 0.5 miles downstream of Pit Branch to Cane River

7-3-40-(2.5)

C;Tr

2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Big Rock Creek

From source to North Toe River

7-2-64

C;Tr

13.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Bowlens Creek

From UT Bowlens Creek (Willie Shanty Creek) to Cane River

7-3-14-(4)

C

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Brushy Creek

From source to North Toe River

7-2-29

C;Tr

2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Nolichucky River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Brushy Creek (Emerald Lake) From source to Big Crabtree Creek
7-2-48-4 C;Tr 3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Cane Creek From source to North Toe River
7-2-59 C;Tr 7.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

Cane River From Town of Burnsville water supply intake to Price Creek
7-3-(13.7)a1 C;Tr 4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Cane River From Price Creek to Big Creek
7-3-(13.7)a2 C;Tr 15.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cane River

From Big Creek to North Toe River

7-3-(13.7)b

C;Tr

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (10 NTU, AL, Tr)	5
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Data Inconclusive	> 10% and < 90% conf	Water Temperature (20°C, AL, Tr)	3a
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



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Nolichucky River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

East Fork Big Crabtree Creek From source to Big Crabtree Creek

7-2-48-2 C;Tr 3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

East Fork Grassy Creek From source to Grassy Creek

7-2-40-2 C;Tr 2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Elk Hollow Branch From source to Roaring Creek

7-2-15-2 WS-V;Tr 1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Elk Wallow Creek From source to Bald Creek

7-3-22-4 C;Tr 3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Fox Creek From source to Bald Creek

7-3-22-1 C 2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Grassy Creek From source to North Toe River

7-2-40 C;Tr 5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5



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Nolichucky River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Graveyard Creek (Crystal Falls Creek)

From Spruce Pine Water Supply Dam to Grassy Creek

7-2-40-6-(2)

C;Tr

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Greene Creek

From source to Little Rock Creek

7-2-64-13-4

C;Tr,HQW

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Harris Creek

From source to North Toe River

7-2-31

C;Tr

2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hollow Poplar Creek

From source to Nolichucky River

7-10

C;Tr

5.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	pH (6 su, AL, FW)	3t
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1



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Nolichucky River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Horse Creek

From source to North Toe River

7-2-9

WS-V;Tr

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Nolichucky River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Jacks Creek

From source to North Toe River

7-2-63

C

8.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

Kentucky Creek

From source to North Toe River

7-2-2

WS-V;Tr

3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Lickskillet Branch

From source to Bald Creek

7-3-22-5

C;Tr

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5



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Nolichucky River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lilly Branch

From source to North Toe River

7-2-49

C;Tr

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (10 NTU, AL, Tr)	5
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3a
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1



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Nolichucky River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	No Asmnt of Thermal Vari	Water Temperature (20°C, AL, Tr)	3a

Little Bear Creek

From source to NC226

7-2-45a

C;Tr

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Little Bear Creek

From NC226 to North Toe River

7-2-45b

C;Tr

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Little Crabtree Creek

From source to South Toe River

7-2-52-33

C;Tr

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Little Creek

From source to Cane River

7-3-33

C;Tr

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Nolichucky River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Rock Creek From Greene Creek to Big Rock Creek
7-2-64-13-(4.5) C;Tr 6.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

NOLICHUCKY RIVER From source to North Carolina-Tennessee State Line
7 B 10.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Turbidity (50 NTU, AL, FW miles)	5

North Toe River From source to a point 0.2 mile upstream of Pyatt Creek
7-2-(0.5) WS-V;Tr 22.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



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Nolichucky River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North Toe River

From a point 0.2 mile upstream of Pyatt Creek to a point 0.5 mile upstream of U.S. Hwy. 19E

7-2-(21.5)

WS-IV;Tr

9.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Exceeding Criteria	> 10% and < 90% conf	Turbidity (10 NTU, AL, Tr)	5e
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

North Toe River

From Town of Spruce water supply intake to Grassy Creek

7-2-(27.7)a

C;Tr

9.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Nolichucky River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North Toe River

From Grassy Creek to South Toe River

7-2-(27.7)b

C;Tr

11.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (10 NTU, AL, Tr)	5
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	No Asmnt of Thermal Vari	Water Temperature (20°C, AL, Tr)	3a

North Toe River

From Mitchell County SR 1187 to Jacks Creek

7-2-(58.5)a

B;Tr

7.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Nolichucky River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North Toe River

From Jacks Creek to Nolichucky River

7-2-(58.5)b

B;Tr

7.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Pigeonroost Creek

From source to North Toe River

7-2-69

C;Tr

7.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Plumtree Creek

From source to North Toe River

7-2-17

WS-V;Tr

5.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Possumtrot Creek

From source to Bald Creek

7-3-22-7

C;Tr

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Price Creek

From source to Cane River

7-3-21

C;Tr

8.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Nolichucky River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Right Fork Cane Creek

From source to Cane Creek

7-2-59-1

C;Tr

1.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Nolichucky River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Right Fork Pigeonroost Creek

From source to Pigeonroost Creek

7-2-69-2

C

2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Roaring Creek

From source to North Toe River

7-2-15

WS-V;Tr

4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Rockhouse Creek

From source to Grassy Creek

7-2-40-4

C;Tr

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Nolichucky River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rose Creek

From source to North Toe River

7-2-37

C;Tr

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

South Toe River

From source to U.S. Hwy. 19E

7-2-52-(1)

B;Tr,ORW

25.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	pH (6 su, AL, FW)	3t
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Nolichucky River Subbasin

French Broad River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Spring Creek

From source to Big Rock Creek

7-2-64-6

C;Tr

3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Stagger Weed Creek

From source to Right Fork Cane Creek

7-2-59-1-1

C;Tr

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Thremile Creek

From a point 0.8 mile upstream of mouth of Fork Creek to North Toe River

7-2-25-(0.7)

WS-IV;Tr

3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Toms Creek

From source to Spring Creek

7-2-64-6-1

C;Tr

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

UT to Line Creek

Source to Line Creek

6-59ut1

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

UT to Jonathans Creek

Source to Jonathans Creek

5-26-(7)ut16

1.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Hiwassee River Subbasin

06020002

Hiwassee River Basin



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Hiwassee River Subbasin

Hiwassee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Beaver Creek From Andrews Water Supply Intake to Valley River

1-52-30-(3) C;Tr 2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Beaverdam Creek From source to Hiwassee Lake

1-72 C;Tr 6.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Big Tuni Creek From source to Tusquitee Creek

1-21-5 C;Tr,HQW 6.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Brasstown Creek From North Carolina-Georgia State Line to Hiwassee River

1-42 WS-IV 8.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Calhoun Branch From source to Hiwassee River

1-38 WS-IV 2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Colvard Creek From source to Valley River

1-52-58 C;Tr 4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



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Hiwassee River Subbasin

Hiwassee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Fall Branch

From source to Hiwassee River

1-45

C

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Fate Puett Cove Creek

From source to Peachtree Creek

1-44-4

C

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Fires Creek

From Rocky Cove Branch to Hiwassee River

1-27-(5.5)

WS-IV;Tr,ORW

8.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Giesky Creek

From source to Shooting Creek

1-5-7

C;Tr

1.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Gipp Creek

From source to Valley River

1-52-23

C;Tr,ORW

3.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Graham Branch

From source to Slow Creek

1-44-9-3

C

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Hiwassee River Subbasin

Hiwassee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hampton Creek From source to Hiwassee River
1-48 C 2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Hanging Dog Creek From source to Hiwassee Lake
1-57 C 13.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

HIWASSEE RIVER From CalhounBranch to Brasstown Creek a point 0.6 mile upstream of McComb Branch

1-(16.5)c1 WS-IV 2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

HIWASSEE RIVER From Brasstown Creek a point 0.6 mile upstream of McComb Branch

1-(16.5)c2 WS-IV 1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Hiwassee River Subbasin

Hiwassee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

HIWASSEE RIVER

From Town of Murphy water supply intake to a point 0.3 mile downstream of Martin Creek

1-(43.7)

WS-V

4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

HIWASSEE RIVER (Apalachia Lake below elevation 1281)

From Hiwassee Dam to River Mile 75 0.8 mile downstream from Hiwassee Dam at Hiwassee Reservation Boundary

1-(74)

C

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f



Final 2016 Integrated Report-All Assessed Waters

Hiwassee River Subbasin

Hiwassee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

HIWASSEE RIVER (Apalachia Lake below elevation 1281)

From River Mile 75 0.8 mile downstream from Hiwassee Dam at Hiwassee Reservation Boundary to Apalachia Dam

1-(75)

B

1,021.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1

HIWASSEE RIVER (Chatuge Lake below elevation 1928)

From North Carolina-Georgia State line to Chatuge Dam

1-(1)

B

3,533.1 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

HIWASSEE RIVER (Hiwassee Lake below elevation 1525)

From a point 0.3 mile downstream of Martin Creek to Laurel Creek

1-(50)

C

143.4 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Hiwassee River Subbasin

Hiwassee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

HIWASSEE RIVER (Hiwassee Lake below elevation 1525) From Laurel Creek to Hiwassee Dam

1-(53) B 5,029.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

HIWASSEE RIVER (Mission Reservoir) From Tusquitee Creek to Calhoun Creek below Mission Reservoir

1-(16.5)b WS-IV 4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Hyatt Creek From source to Valley River

1-52-43 C 4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Junaluska Creek From source to Junaluska Road

1-52-25a C;Tr 6.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Lamb Branch From source to Peachtree Creek

1-44-5 C 1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Hiwassee River Subbasin

Hiwassee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Brasstown Creek

From source to Brasstown Creek

1-42-11

WS-IV

4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Martin Creek

From source to Hiwassee River

1-49

C

8.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

McComb Branch

From a point 0.1 mile upstream of NC Hwy. 141 to Hiwassee River

1-43-(2)

WS-IV;CA

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Messer Branch

From source to Slow Creek

1-44-9-2

C

2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Mission Branch

From source to Hiwassee River

1-41

WS-IV

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Morris Creek

From source to Valley River

1-52-36

C;Tr

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



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Hiwassee River Subbasin

Hiwassee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Nattie Branch

From source to Giesky Creek

1-5-7-2

C;Tr

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1



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Hiwassee River Subbasin

Hiwassee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Nottely River

From North Carolina-Georgia State Line to 0.2 miles downstream of Walker Mill Creek Hiwassee Lake Arm

1-58a1

C

10.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Nottely River

From 0.2 miles downstream of Walker Mill Creek to Hiwassee Lake Arm

1-58a2

C

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Hiwassee River Subbasin

Hiwassee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Nottely River

Hiwassee Lake Arm

1-58b

C

587.4 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1

Owl Creek

From source to Hanging Dog Creek

1-57-6

C

8.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Peachtree Creek

From source to Pipes Branch

1-44a

C

5.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Peachtree Creek

From Pipes Branch to Hiwassee River

1-44b

C

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Persimmon Creek (Lake Cherokee)

From source to Lake Cherokee

1-63a

C

5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5



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Hiwassee River Subbasin

Hiwassee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pipes Branch

From source to Peachtree Creek

1-44-7

C

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Rapier Mill Creek

From source to Nottely River

1-58-6

C

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5

Shooting Creek

From source to Chatuge Lake

1-5

C;Tr

5.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Shuler Creek

From source to Hiwassee River

1-86

C

11.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Slow Creek

From source to Peachtree Creek

1-44-9

C

5.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Snead Branch

From source to Slow Creek

1-44-9-4

C

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Hiwassee River Subbasin

Hiwassee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Shoal Creek

From source to Apalachia Lake

1-77

C;Tr

12.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Sudderth Branch

From source to Hiwassee River

1-39

WS-IV

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Sweetwater Creek

From source to Hiwassee River

1-32

WS-IV

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Tatham Creek

From source to Valley River

1-52-28

C;Tr

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Taylor Creek

From source to Valley River

1-52-39

C;Tr

4.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Tusquitee Creek

From Buckner Branch to Hiwassee River

1-21-(16.5)

WS-IV;Tr,HQW

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Hiwassee River Subbasin

Hiwassee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Tusquitee Creek

From Big Tuni Creek to Buckner Branch

1-21-(4.5)

C;Tr,HQW

5.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Hiwassee River Subbasin

Hiwassee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to North Fork Rapier Mill Creek From source to North Fork Rapier Mill Creek

1-58-6-1ut3

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Parathion (0.0135ul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1



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Hiwassee River Subbasin

Hiwassee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Valley River

From Gipp Creek above Andrews to Venegeance Creek near Marble

1-52b

C;Tr

9.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Hiwassee River Subbasin

Hiwassee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Valley River

From Venegeance Creek near Marble to Marble Creek above Murphy

1-52c

C;Tr

7.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Water Temperature (20°C, AL, Tr)	3a
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Valley River

From Marble Creek above Murphy to Hiwassee River

1-52d

C;Tr

3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Hiwassee River Subbasin

Hiwassee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Venegeance Creek

From source to Valley River

1-52-45

C;Tr

3.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Webb Creek

From source to Valley River

1-52-32

C;Tr

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Welch Mill Creek

From source to Valley River

1-52-40

C;Tr

4.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Worm Creek

From source to Valley River

1-52-24

C;Tr

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Cape Fear River Subbasin 03030005

Lumber River Basin

Intracoastal Waterway

From a line crossing ICWW south of SR 1112 to Cape Fear River Basin

15-25u

SA;HQW

403.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator)	1
Data Inconclusive	Ent AP GM>35	Enterococcus (GM 35, REC, SW)	3a
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



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Lumber River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Aberdeen Creek From dam at Pages Lake (Aberdeen Lake) to Drowning Creek
14-2-11-(6) C 7.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Aberdeen Creek [Pages Lake (Aberdeen Lake)] From backwaters of Pages Lake (Aberdeen Lake) at normal lake elevation to dam of Pages Lake (Aberdeen Lake)
14-2-11-(5) B 35.2 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1

Ashpole Swamp From source to Hog Swamp
14-30a C;Sw 18.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	BOD	3t
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3i



Final 2016 Integrated Report-All Assessed Waters

Lumber River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Ashpole Swamp

From Hog Swamp to North Carolina-South Carolina State Line

14-30b

C;Sw

6.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	BOD	3t
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3i

Back Swamp

From Roberson County SR 1157 to Lumber River

14-8-(2.5)

WS-IV;Sw

7.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Lumber River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bear Swamp

From source to Roberson County SR 1515

14-9-(0.5)

C;Sw

7.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Bear Swamp

From Robeson County SR 1515 to Lumber River

14-9-(1.5)

WS-IV;Sw

9.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Big Bear Branch

From source to Big Muddy Creek

14-2-12-2

C

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Lumber River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Big Branch

From source to Big Marsh Swamp

14-22-2-4

C;Sw

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (NA, AL, swamp)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Big Marsh Swamp (Marsh Swamp) From source to Big Swamp
(Lake McNeill, Odom Pond)

14-22-2

C;Sw

28.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1



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Lumber River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Big Swamp

From source to NC 211

14-22a

C;Sw

15.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Big Swamp

From NC 211 to Lumber River

14-22b

C;Sw

9.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Buffalo Creek

From source to Lumber River

14-2.5

C

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Lumber River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Camerons Lake

Entire lake and connecting stream to Towers Fork

14-2-12-1-1

C

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Curry Pond

Entire pond and connecting stream to Drowning Creek

14-2-2

WS-II;HQW

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Deep Creek

From a point 3,500 feet upstream from Moore County SR 1122 to Horse Creek

14-2-10-1-(2)

WS-II;HQW

8.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Drowning Creek

From source to Jackson Creek

14-2-(1)a

WS-II;Sw,HQW

14.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Lumber River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Drowning Creek

From a point 0.4 mile upstream of U.S. Hwy. 1 to Lumber River

14-2-(10.5)

C;Sw,HQW

15.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Drowning Creek

From Naked Creek to Horse Creek

14-2-(6.5)

WS-II;Sw,HQW

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Lumber River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Gapway Swamp (Buffkin Pond, Richardson Pond)

From source to North Carolina-South Carolina State Line

14-31

C;Sw

6.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Gum Swamp

From source to Lumber River

14-5

C

13.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Hills Creek

From source to Drowning Creek

14-2-18

C

4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Hog Swamp

From source to Ashpole Swamp

14-30-7

C;Sw

4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Horse Creek

From Dam at Pinehurst Lake to Drowning Creek

14-2-10b

WS-II;HQW

7.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Lumber River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Jackson Creek (Curries Pond) From source to Drowning Creek

14-2-5 WS-II;HQW 8.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Little Marsh Swamp From source to Gallberry Swamp

14-22-1-3 C;Sw 19.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1

Little Raft Swamp From source to SR1776

14-10-5a C;Sw 15.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1

Little Raft Swamp From SR1776 to Raft Swamp

14-10-5b C;Sw 4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Severe	Benthos (Nar, AL, FW)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Long Branch

From source to Little Swamp

14-22-13-3

C;Sw

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Mercury (0.012 µg/l, FC, FW)	5
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (NA, AL, swamp)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

LUMBER RIVER

From U.S. Hwy. 301 Bypass to SR 2289, Robeson County

14-(13)a

C;Sw

3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Lumber River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

LUMBER RIVER

From WWTP at Robeson County to below WWTP at SR 1620/72 Robeson County

14-(13)d

C;Sw

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

LUMBER RIVER

From below WWTP at SR 1620/72 Robeson County to NC 74 Robeson County

14-(13)e

C;Sw

21.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Lumber River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

LUMBER RIVER

From NC 74 Robeson County to NC 904

14-(13)f

C;Sw

23.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

LUMBER RIVER

From N.C. Hwy. 904 to North Carolina-South Carolina State Line

14-(28)

B;Sw

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

Lumber River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

LUMBER RIVER

From a point 2.0 miles upstream of U.S. Hwy. 401 to SR 1404, Scotland Co.

14-(3)a

WS-IV,B;Sw,HQW

4.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

LUMBER RIVER

From SR 1404 to a point 1.1 miles upstream of N.C. Hwy. 71

14-(3)b

WS-IV,B;Sw,HQW

12.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Lumber River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

LUMBER RIVER

From NC 71 to SR 1303

14-(4.5)b

B;Sw,HQW

3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

LUMBER RIVER

From Seaboard Coast Line Railroad bridge near Pembroke to a point 0.5 mile upstream of Powell Branch

14-(7)

WS-IV,B;Sw,HQW

22.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Lumber River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

McCallum Branch

From source to Aberdeen Creek

14-2-11-3

C

2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Mill Branch

From source to Lumber River

14-6

C

4.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Moss Neck Swamp

From Robeson County SR 1576 to Bear Swamp

14-9-3-(2)

WS-IV;Sw

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Mountain Creek

From dam at Mountain Lake to Drowning Creek

14-2-16-(2)

C

6.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Naked Creek

From source to Drowning Creek

14-2-6

WS-II;ORW

15.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Porter Swamp

From source to Dunn Swamp

14-27a

C;Sw

6.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Severe	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Lumber River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Porter Swamp

From Dunn Swamp to Lumber River

14-27b

C;Sw

15.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Severe	Benthos (Nar, AL, FW)	5
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Quewhiffle Creek

From source to Drowning Creek

14-2-14

C

9.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Raft Swamp

From source to Robeson County SR 1318

14-10-(1)

C;Sw

22.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1

Raft Swamp

From Robeson County SR 1318 to Lumber River

14-10-(5.5)

WS-IV;Sw

14.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Lumber River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Towers Fork From source to Big Muddy Creek
14-2-12-1 C 2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Watering Hole Swamp From source to Bear Swamp
14-9-2 WS-IV;Sw 2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Watsons Lake Entire lake
14-2-11-2 B 60.3 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Gum Swamp Creek (Lytschs Pond) From U.S. Hwy. 74 to North Carolina-South Carolina State Line
14-32-(12) B;Sw 14.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Gum Swamp Creek (Pine Lake, Gum Swamp Lake) From source to Crawford Branch
14-32-(1) C 8.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Little Pee Dee River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Gum Swamp Creek (Richmond Mill Lake)

From Crawford Branch to dam at Richmond Mill Lake

14-32-(7)

B

5.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Joess Creek (Guinns Mill Pond)

From source to Gum Swamp Creek

14-32-14

C;Sw

15.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Jordan Creek

From dam at Monroe Mill Pond to Juniper Creek

14-34-4-(2)a

C;Sw

9.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Jordan Creek

From Juniper Creek to Shoe Heel Creek

14-34-4-(2)b

C;Sw

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Juniper Creek (McNair Pond)

From source to Jordan Creek

14-34-4-3

C;Sw

12.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



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Little Pee Dee River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Leith Creek (Johns Pond)

From source to Bridge Creek

14-33a

C;Sw

16.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Leith Creek (Johns Pond)

From Bridge Creek to North Carolina-South Carolina State Line

14-33b

C;Sw

5.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Shoe Heel Creek (Big Shoe Heel Creek)(Maxton Pond)

From source to Jordan Creek

14-34a

C;Sw

10.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Little Pee Dee River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Shoe Heel Creek (Big Shoe Heel Creek)(Maxton Pond)

From Jordan Creek to NC state line

14-34b

C;Sw

25.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Big Creek

From source to Lake Waccamaw

15-2-6

C;Sw:+

3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

Waccamaw River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Elkton Marsh

From source to Brown Marsh

15-4-1-1-2

C;Sw

5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Friar Swamp (Council Millpond)

From source to Big Creek

15-2-6-3

C;Sw:+

11.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Severe	Benthos (Nar, AL, FW)	5

Grissett Swamp

From dam at Lake Tabor to Juniper Swamp

15-17-1-(5)a

C;Sw

16.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Grissett Swamp (Lake Tabor)

From source to dam at Lake Tabor

15-17-1-(1)

B;Sw

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a

Juniper Swamp

From North Carolina-South Carolina State Line to Grissett Swamp

15-17-1-11

C;Sw

6.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Severe	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Waccamaw River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lake Waccamaw

Entire Lake

15-2

B;Sw,ORW

8,840.2 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Meares Millpond

Entire Millpond and connecting stream to Fryer Swamp

15-2-6-3-2

C;Sw:+

0.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Mill Branch

From source to White Marsh

15-4-4

C;Sw

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

Waccamaw River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Monie Swamp

From Gum Swamp to Grissett Swamp

15-17-1-12b

C;Sw

5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Puncheon Branch

From source to White Marsh

15-4-6

C;Sw

3.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Seven Creeks (Joe Lake)

From source to Waccamaw River

15-17

C;Sw

4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a



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Waccamaw River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

WACCAMAW RIVER

From source at dam at Lake Waccamaw to 0.1 mi below Lake Waccamaw

15-(1)a

C;Sw

0.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

WACCAMAW RIVER

From site off SR 1930 to SR 1928

15-(1)c

C;Sw

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

WACCAMAW RIVER

From SR 1928 to NC 130

15-(1)d

C;Sw

8.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and < 90% conf	pH (4.3 su, AL, Sw)	5e
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Waccamaw River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

WACCAMAW RIVER

From NC 130 to NC 904

15-(1)e

C;Sw

18.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

WACCAMAW RIVER

From N.C. Hwy. 904 to North Carolina-South Carolina State Line

15-(18)

B;Sw

9.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Western Prong Creek

From source to White Marsh

15-4-2

C;Sw

11.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Wet Ash Swamp

From source to Waccamaw River

15-14

C;Sw

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1



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Waccamaw River Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (NA, AL, swamp)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

White Marsh

From Richardson Swamp to Waccamaw River

15-4b

C;Sw

12.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Severe	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Long Bay-Atlantic Ocean Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Atlantic Ocean

From the South Carolina State Line to 49 Street SE in Long Beach

99-(1)

SB

25.6 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Big Gut Slough

From source to Intracoastal Waterway

15-25-3

SA;HQW

0.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Blane Creek

Entire Creek

15-25-11

SA;HQW

49.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bonaparte Creek

From Intracoastal Waterway to Little River

15-25-12-2

SA;HQW

57.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bull Creek

From source to Blane Creek

15-25-11-3

SA;HQW

22.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Calabash River

From source to North Carolina-South Carolina State Line

15-25-13

SA;HQW

139.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Exceeding Criteria	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	5e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a



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Long Bay-Atlantic Ocean Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Clam Creek

From source to Easter Channel

15-25-6-1

SA;HQW

0.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Clayton Creek

From Intracoastal Waterway to Little River

15-25-12-3

SA;HQW

13.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Cooter Creek

From source to Jinks Creek

15-25-9-1

SA;HQW

8.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Dead Backwater

From source to Little River

15-25-12-1

SA;HQW

29.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

East River

From source to Dead Backwater

15-25-12-1-1

SA;HQW

30.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Eastern Channel

Entire Channel

15-25-6

SA;HQW

289.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

Long Bay-Atlantic Ocean Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Fox Creek From source to Blane Creek
15-25-11-1 SA;HQW 1.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Gause Landing Creek From Kilbart Slough to Intracoastal Waterway
15-25-5 SA;HQW 7.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Goose Creek From Brunswick County SR 1143 to Saucepan Creek
15-25-2-16-4-(2) SA;HQW 4.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Hangman Branch From source to Calabash Creek
15-25-13-1 SA;HQW 10.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Intracoastal Waterway

From NCSC state line to western mouth of Still Creek

15-25d

SA;HQW

315.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Arsenic (10 µg/l, HH, NC)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Exceeding Criteria	Ent 5in30 GM>35	Enterococcus (GM 35, REC, SW)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Ent AP GM>35	Enterococcus (GM 35, REC, SW)	3a



Final 2016 Integrated Report-All Assessed Waters

Long Bay-Atlantic Ocean Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Intracoastal Waterway From western mouth of Still Creek to a line across the ICWW 650 east of eastern mouth of Sols Creek

15-25f SA;HQW 81.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Intracoastal Waterway From a line across the ICWW 650 east of eastern mouth of Sols Creek to a line across the ICWW 1120 meters west of NC 904 bridge

15-25g SA;HQW 44.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Intracoastal Waterway From a line across the ICWW 1120 meters west of NC 904 bridge to line 787 meters east of the NC 904 Bridge

15-25i SA;HQW 65.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Intracoastal Waterway From line 787 meters east of the NC 904 Bridge to a line across the ICWW 140 meters of Big Gut Slough

15-25j SA;HQW 165.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Intracoastal Waterway From a line across the ICWW 140 meters of Big Gut Slough to 400 meters west of SR1143 to 170 meters east of western mouth of Shallotte Inlet including Shallotte Sound

15-25k SA;HQW 89.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

Long Bay-Atlantic Ocean Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Intracoastal Waterway From 400 meters west of SR1143 to 170 meters east of western mouth of Shallotte Inlet.
15-25l SA;HQW 55.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Intracoastal Waterway From 1700 meters east of of western mouth of Shallotte Inlet to line crossing ICWW between Long Point and Bowen Point
15-25m SA;HQW 53.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Intracoastal Waterway From a line crossing ICWW between Long Point and Bowen Point to a line crossing the ICWW 330 meters east of Boone Landing
15-25n SA;HQW 159.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Intracoastal Waterway ICWW at Holden Beach
15-25o1 SA;HQW 35.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Intracoastal Waterway From to a line across the ICWW south of Jolly Roger Drive to a line across the ICWW 2300 meters west of SR130 bridge not including marina on southside of ICWW
15-25p SA;HQW 115.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1



Final 2016 Integrated Report-All Assessed Waters

Long Bay-Atlantic Ocean Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Intracoastal Waterway	Marina on southside of ICWW 3590 meters west of NC 130 Bridge		
15-25q	SA;HQW	8.9	S Acres
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Intracoastal Waterway	From a line across the ICWW 2300 meters west of NC 130 bridge to a line across the ICWW 2030 meters west of NC 130 bridge		
15-25r1	SA;HQW	32.2	S Acres
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Intracoastal Waterway	Sea Boat Basin		
15-25r2	SA;HQW	7.8	S Acres
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Intracoastal Waterway	Holden Beach Marina		
15-25r3	SA;HQW	27.5	S Acres
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Intracoastal Waterway	Area 58 meters west of NC 130 bridge on north shore.		
15-25s	SA;HQW	0.5	S Acres
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Intracoastal Waterway	From a line across the ICWW 2030 meters west of NC 130 bridge to a line crossing ICWW south of SR 1112		
15-25t1	SA;HQW	274.5	S Acres
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1



Final 2016 Integrated Report-All Assessed Waters

Long Bay-Atlantic Ocean Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Intracoastal Waterway

Seascape Marina

15-25t2

SA;HQW

3.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Intracoastal Waterway

Hewletts Marina Bettys Restaurant

15-25t3

SA;HQW

2.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Intracoastal Waterway

Holden Beach Marina

15-25t4

SA;HQW

11.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Jinks Creek

From Eastern Channel to Intracoastal Waterway

15-25-9

SA;HQW

41.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Jinnys Branch

From Brunswick County SR 1143 to Saucepan Creek

15-25-2-16-1-(2)

SA;HQW

1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Kilbart Slough

From source to Intracoastal Waterway

15-25-4

SA;HQW

0.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

Long Bay-Atlantic Ocean Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little River

Entire portion located in North Carolina

15-25-12

SA;HQW

81.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Lockwoods Creek

From source to Lockwoods Folly River (0.200000002980232 S Miles)

15-25-1-20

SA;HQW:@

1.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t



Final 2016 Integrated Report-All Assessed Waters

Long Bay-Atlantic Ocean Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lockwoods Folly River

From mouth of Royal Oak Swamp to Brunswick County SR 1200
(10.3148546218872 S Miles)

15-25-1-(11)

SC;HQW

62.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lockwoods Folly River

From Brunswick County, SR 1200 to a line crossing Lockwood Folley River 520 meters north of Myrle Point of the east shore to a point of the west shore 704 meters north of Mullet Creek.

15-25-1-(16)a

SA;HQW:@

123.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Lead (25 µg/l, AL, NC)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Dissolved Oxygen (5 mg/l, AL, SW)	3a
Data Inconclusive	> 10% and < 90% conf	Arsenic (10 µg/l, HH, NC)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Long Bay-Atlantic Ocean Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lockwoods Folly River

From a line crossing Lockwood Folley River 520 meters north of Myrtle Point of the east shore to a point of the west shore 704 meters north of Mullet Creek to a line crossing Lockwood Folly River 146 meters north of Genoes Point on the east shore to a poi

15-25-1-(16)b

SA;HQW:@

275.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lockwoods Folly River

From a line crossing Lockwood Folly River 146 meters north of Genoes Point on the east shore to a point on the west shore 777 meters south of Mullet Creek to a line crossing Lockwood Folly River 628 meters south of Genoes Point on the east shore to Gores

15-25-1-(16)c

SA;HQW:@

207.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Arsenic (10 µg/l, HH, NC)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Lead (25 µg/l, AL, NC)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t



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Long Bay-Atlantic Ocean Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
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Lockwoods Folly River

From a line crossing Lockwood Folly River 628 meters south of Genoes Point on the east shore to Gores Landing on the east shore to ICWW.

15-25-1-(16)d

SA;HQP:@

53.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t

Marina south of Intracoastal Waterway

Holden Beach Marina

15-25o2

SA;HQP

27.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Mill Creek

From Brunswick County SR 1112 to Lockwoods Folly River

15-25-1-18-(2)

SA;HQP

2.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t



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Long Bay-Atlantic Ocean Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Montgomery Slough

From ICWW west of Lockwoods Folly Inlet extending eastward (2.4 Miles)

15-25v

SA;HQW

14.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Dissolved Oxygen (5 mg/l, AL, SW)	3a
Data Inconclusive	> 10% and < 90% conf	Arsenic (10 µg/l, HH, NC)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Long Bay-Atlantic Ocean Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mullet Creek From source to Lockwoods Folly River

15-25-1-19 SA;HQW:@ 5.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Royal Oak Swamp From source to NC 211

15-25-1-12a C;Sw 5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1

Royal Oak Swamp From NC 211 Lockwoods Folly River

15-25-1-12b C;Sw 3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1

Salt Boiler Creek From source to Blane Creek

15-25-11-2 SA;HQW 24.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Sams Branch From proposed dam approximately 3/4 mile upstream from Shallotte River channel to Shallotte River (0.585717439651489 S Miles)

15-25-2-12-(2) SA;HQW 3.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Saucepan Creek From source to Shallotte River

15-25-2-16 SA;HQW 62.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Shalotte Creek From Bell Branch to Shalotte River

15-25-2-15-(3) SA;HQW 135.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Shalotte River From source to N.C. Hwy. 130

15-25-2-(1) C;Sw,HQW 9.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Shalotte River From mouth of Mill Pond to a line crossing the Shalotte River from a point 948 meters north of Shell Point on the east bank across to the south mouth of Middle Dam Creek.

15-25-2-(10)a SA;HQW 158.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Shalotte River From a line crossing the Shalotte River from a point 948 meters north of Shell Point on the east bank across to the south mouth of Middle Dam Creek to a line crossing the Shalotte River 459 meters north of Shell Point on the east bank across to a point

15-25-2-(10)b SA;HQW 59.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Shalotte River From a line crossing the Shalotte River 459 meters north of Shell Point on the east bank across to a point 651 meters north of the Swash to a line crossing the Shalotte River from Shell Point across to the Swash.

15-25-2-(10)c SA;HQW 89.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Shalotte River

From a line crossing the Shalotte River from Shell Point across to the Swash to the Intracoastal Waterway.

15-25-2-(10)d1

SA;HQW

336.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Lead (25 µg/l, AL, NC)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Arsenic (10 µg/l, HH, NC)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	4t
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Long Bay-Atlantic Ocean Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Shalotte River

Hughes Marina

15-25-2-(10)d2

SA;HQW

4.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Shalotte River

From U.S. Hwy. 17 to mouth of the Mill Pond

15-25-2-(7.5)

SC;HQW

15.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a



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Long Bay-Atlantic Ocean Subbasin

Lumber River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Sols Creek

From Eastern Channel to Intracoastal Waterway

15-25-7

SA;HQW

9.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Spring Creek

From source to Lockwoods Folly River

15-25-1-21

SA;HQW:@

2.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Still Creek

From Easter Channel to Intracoastal Waterway

15-25-8

SA;HQW

42.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

The Big Narrows

From Jinks Creek to Intracoastal Waterway

15-25-10

SA;HQW

13.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

The Mill Pond

From a point 1.0 mile below Brunswick County SR 1145 to Shallotte River

15-25-2-11-(2)

SA;HQW

2.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

The Swash

From source to Shallotte River

15-25-2-14

SA;HQW

3.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Little Tennessee River Subbasin 06010202

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Alarka Creek From Upper Long Creek to Fontana Lake, Little Tennessee R.
2-69-(2.5) C;Tr 13.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Ammons Branch From source to Cullasaja River
2-21-2 WS-III 0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Ball Creek From source to Coweeta Creek
2-10-2 B;Tr 2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Big Creek (Randall Lake) From source to a point 0.7 mile upstream of mouth
2-21-5-1-(0.5) WS-II;Tr,HQW 3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Big Creek Arm of Lake Sequoyah From a point 0.7 mile upstream of mouth to Lake Sequoyah, Cullasaja River
2-21-5-1-(4) WS-II;Tr,HQW,CA 0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Blazed Creek From source to Beasley Creek
2-29-2-1 C 2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bradley Creek

From source to Little Tennessee River

2-33

C;Tr

3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Brush Creek

From source to Little Tennessee River

2-46

C

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

Buckeye Creek

From source to Tessentee Creek

2-9-7

C

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Burningtown Creek

From source to Little Tennessee River

2-38

B;Tr

11.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Cadon Branch

From source to Tessentee Creek

2-9-1

C

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Caler Cove Branch

From source to Little Tennessee River

2-35

C

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Caler Fork Creek

From source to Cowee Creek

2-29-4

C

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5

Camprock Branch

From source to Shope Fork

2-10-1-2

B

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Carter Branch

From source to Little Tennessee River

2-30

C

1.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Cartoogechaye Creek

From source to a point 0.5 mile downstream of Lenior Branch

2-19-(1)

WS-III;Tr

7.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cat Creek

From source GB171 off Preserve Drive

2-23-4a

C

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Cat Creek

From GB171 off Preserve Drive to Rabbit Creek

2-23-4b

C

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Coon Creek

From source to Watauga Creek

2-24-3

C

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Cowee Creek

From source to Little Tennessee River

2-29

C;Tr

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Coweeta Creek

From source to Little Tennessee River

2-10

B;Tr

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Crawford Branch From source to SR 1442
2-22a C 1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Crawford Branch From SR 1442 to Little Tennessee River
2-22b C 0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Cullasaja River From dam at Lake Sequoyah to Little Tennessee River
2-21-(5.5) B;Tr 10.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Cullasaja River (Lake Sequoyah) From backwaters of Lake Sequoyah to dam at Lake Sequoyah
2-21-(3.5)b WS-III;Tr,CA 42.1 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1

Cullasaja River(Ravenel Lake) Source to 0.6 miles downstream of US64 (head of Mirror lake)
2-21-(0.5)a WS-III;Tr 3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Cullasaja River(Ravenel Lake) From 0.6 miles downstream of US64 (head of Mirror lake) to Mirror lake
2-21-(0.5)b WS-III;Tr 0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cunningham Creek

From source to Shope Fork

2-10-1-3

B

1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Dalton Creek

From source to Caler Fork Creek

2-29-4-2

C

2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Dicks Creek

From source to Nantahala River

2-57-42

C;Tr

3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Downes Branch

From source to Burningtown Creek

2-38-5

C

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Dryman Fork

From source to Coweeta Creek

2-10-3

C;Tr

4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Eagle Creek

From Pinnacle Creek to Eagle Creek Arm of Fontana Lake, Little Tennessee River

2-159-(6)

WS-IV;Tr,ORW,CA

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Ellijay Creek

From source to Cullasaja River

2-21-23

C;Tr

7.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Evans Branch

From source to Tessentee Creek

2-9-8

C

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Garland (Flat) Branch

From source to Tuskegee Creek

2-136-7

C

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Hazel Creek

From a point 0.7 mile upstream of mouth to Hazel Creek Arm of Fontana Lake, Little Tennessee River

2-146-(19)

WS-IV;Tr,ORW,CA

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Henson Creek

From source to Ball Creek

2-10-2-1

B

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Houston Branch

From Dam at Highlands Reservoir to Big Creek

2-21-5-1-3-(2)

WS-II;HQW

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Howard Branch

From source to Dryman Fork

2-10-3-1

C

1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Huckleberry Creek

From source to Beasley Creek

2-29-2-2

C

2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Indian Camp Branch

From source to Burningtown Creek

2-38-3

C

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

lotla Branch

From source to lotla Creek

2-27-1

C

2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

lotla Creek

From source to Little Tennessee River

2-27

C

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Lakey Creek

From source to Little Tennessee River

2-34

C;Tr

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Laurel Branch From source to Sugar Cove Creek
2-40-2-1 C 1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Ledbetter Branch From source to Little Tennessee River
2-42 C 0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Left Prong Burnington Creek From source to Burningtown Creek
2-38-4 C 1.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Licklog Creek From source to Little Tennessee River
2-47 C 3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

LITTLE TENNESSEE RIVER From North Carolina-Georgia State line to the confluence of Mulberry Creek
2-(1)a C 2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

LITTLE TENNESSEE RIVER

From the confluence of Mulberry Creek to the confluence of Cartoogechaye Creek

2-(1)b

C

15.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

LITTLE TENNESSEE RIVER (Fontana Lake below elev. 1708)

From the upstream side of Shoal Branch to Fontana Dam

2-(140.5)

WS-IV,B;CA

1,696.7 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

**LITTLE TENNESSEE RIVER
(Including the backwaters of
Fontana Lake at normal pool
elevation 1708 fee**

From to a point 0.4 mile upstream of N.C. Hwy. 28 (located 0.42 mile upstream of mouth of Iotla Creek) to subbasin 01/02 border

2-(26.5)a

B

10.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

LITTLE TENNESSEE RIVER From Subbasin 01/02 boundary to Nantahala River Arm of Fontana Lake
(Including the backwaters of Fontana Lake at normal pool elevation 1708 fee

2-(26.5)b B 11.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Matlock Creek From source to Cowee Creek

2-29-5 C 4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Mica City Creek From source to Cowee Creek

2-29-1 C 3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Middle Creek From source to Little Tennessee River

2-8 C;Tr 8.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Mill Creek From source to Mirror Lake, Cullasaja River

2-21-3 WS-III;Tr 1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Nantahala River

From source to Roaring Fork

2-57-(0.5)

B;Tr,ORW

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Nantahala River

From Nantahala Lake Dam to Nantahala River Arm of Fontana Lake, Little Tennessee R.

2-57-(22.5)b

B;Tr

18.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name: Nantahala River [Nantahala Lake (Aquone Lake)]
 Assessment Unit Description: From Roaring Fork to Nantahala Lake Dam
 Assessment Unit Number: 2-57-(22.5)a
 Water Quality Classification: B;Tr
 Length/Area: 1,380.2 FW Acres
 Units: FW Acres

Nantahala River [Nantahala Lake (Aquone Lake)]

From Roaring Fork to Nantahala Lake Dam

2-57-(22.5)a

B;Tr

1,380.2 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Nichols Branch

From source to Tessentee Creek

2-9-2

C

2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

North Fork Coweeta Creek

From source to Coweeta Creek

2-10-4

B

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

North Fork Tuskegee Creek

From source to Tuskegee Creek

2-136-2

C

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Otter Creek

From source to Whiteoak Creek

2-57-45-10

C;Tr

3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Panther Creek

From source to Fontana Lake, Little Tennessee River

2-115

C;Tr

2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Payne Branch

From source to Fontana Lake, Little Tennessee River

2-166

WS-IV;Tr,CA

1.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Pilkey Creek

From source to Fontana Lake, Little Tennessee River

2-132

C;Tr,ORW

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Pinnacle Branch

From source to Shope Fork

2-10-1-1

B

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Possum Branch

From source to Tessentee Creek

2-9-4

C

1.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Rabbitt Creek

From source to Elmore Branch

2-23a

C;Tr

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rabbitt Creek

From Elmore Branch to Little Tennessee River

2-23b

C;Tr

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rattlesnake Creek

From source to Little Tennessee River

2-44

C

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Rhinehart Creek

From source to Tellico Creek

2-40-4

C

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rocky Branch

From source to Little Tennessee River

2-26

C

2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Saltrock Branch

From source to Cullasaja River

2-21-1

WS-III

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Sawmill Creek

From source to Fontana Lake, Little Tennessee River

2-53

C

3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Shehan Branch (Possum Hollow Creek)

From Bearpen Branch to Hazel Creek Arm of Fontana Lake, Little Tennessee River

2-147-(0.7)

WS-IV;Tr,ORW,CA

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Shepherd Creek

From source to Cowee Creek

2-29-3

C

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Shope Fork

From source to Coweeta Creek

2-10-1

B;Tr

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Skeenah Creek

From source to Little Tennessee River

2-13

C;Tr

2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Skitty Creek (Cliffside Lake)

From source to Dam at Cliffside Lake

2-21-6-(1)

B;Tr

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

South Fork Tuskegee Creek

From source to Tuskegee Creek

2-136-1

C

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Stecoah Creek

From source to Fontana Lake, Little Tennessee River

2-130

C;Tr

7.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Stillhouse Branch

From source to Tessentee Creek

2-9-5

C

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Sugar Cove Creek

From source to Tellico Creek

2-40-2

C;Tr

3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Tellico Creek

From source to 100 m downstream of Sugar Cove Creek

2-40a

C;Tr

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Tellico Creek

From 100 m downstream of Sugar Cove Creek to Teague Creek

2-40b

C;Tr

1.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Tellico Creek

From Teague Creek to Little Tennessee River

2-40c

C;Tr

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Tessentee Creek

From source to Little Tennessee River

2-9

C;Tr

8.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Turtle Pond Creek

From source to Cullasaja River

2-21-8

C;Tr

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Tuskegee Creek

From source to Fontana Lake, Little Tennessee River

2-136

C

4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Walnut Creek

From source to Cullasaja River

2-21-17

C;Tr

4.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Watauga Creek

From source to Little Tennessee River

2-24

C;Tr

5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Wheatfield Branch

From source to Tessentee Creek

2-9-6

C

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Whiteoak Creek

From SR 1397 to SR 1423

2-57-45b

C;Tr

1.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



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Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Whiteoak Creek

From SR 1423 to Nantahala River

2-57-45c

C;Tr

3.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Whiterock Branch

From source to Tessentee Creek

2-9-3

C

1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Wiggins Creek

From source to Little Tennessee River

2-49

C

2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Younce Creek

From source to Burningtown Creek

2-38-8

C

3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Beck Branch

From source to Camp Creek

2-79-49-1

C

1.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Bradley Fork

From Chasteen Creek to Oconaluftee River

2-79-55-12-(11)

B;Tr,HQW

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Tuckasegee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Camp Creek	From source to Tuckasegee River		
2-79-49	C	4.4	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Caney Fork	From Mull Creek to Tuckasegee River		
2-79-28-(2.5)	WS-III;Tr	1.3	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Conley Creek (Connelly Creek)	From source to Tuckasegee River		
2-79-52	C;Tr	7.4	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Cullowhee Creek	From source to first crossing of NC 107 near Cullowhee		
2-79-31a	C;Tr	8.7	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Deep Creek	From Indian Creek to Juney Whank Branch		
2-79-63-(16)	WS-II,B;Tr,HQW	0.8	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Deep Creek	From Town of Bryson City water supply intake (located just below Great Smoky Mountains National Park Boundary) to Tuckasegee River		
2-79-63-(21)	B;Tr	1.8	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Tuckasegee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Forney Creek From source to Tuckasegee River Arm of Fontana Lake, Little Tennessee River
2-97 C;Tr,ORW 9.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Gray Wolf Creek From source to Tuckasegee River Arm of Fontana Lake, Little Tennessee River
2-96 B;ORW 2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Licklog Creek From source to Dark Ridge Creek
2-79-39-3-6 C 1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

LITTLE TENNESSEE RIVER (Fontana Lake below elevation 1708 MSL) From Nantahala River Arm of Fontana Lake to the upstream side of mouth of Shoal Branch
2-(66) B 5,568.1 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Moses Creek From source to Caney Fork
2-79-28-8 WS-III;Tr 4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Tuckasegee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Noland Creek From source to Tuckasegee River Arm of Fontana Lake, Little Tennessee River
2-90 C;Tr 10.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Oconaluftee River From Bradley Fork to Raven Fork
2-79-55-(11) C;Tr,HQW 4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Oconaluftee River From Raven Fork to Cherokee Indian Reservation boundary (approximately 0.4 miles downstream of Goose Creek)
2-79-55-(16.5) C;Tr 8.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Savannah Creek From source to Tuckasegee River
2-79-36 C;Tr 13.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Scott Creek From source to Tuckasegee River
2-79-39 C;Tr 15.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5



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Tuckasegee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Fork Sugarloaf Creek

From source to Sugarloaf Creek

2-79-39-5-1-1

C

1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	pH (6 su, AL, FW)	3a
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1



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Tuckasegee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Sugarloaf Creek

From source to Soapstone Creek

2-79-39-5-1

C

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Tuckasegee River (Bear Creek Lake)

From Tennessee Creek to West Fork Tuckasegee River

2-79-(5.5)b

WS-III,B;Tr

443.8 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1

Tuckasegee River (Cedar Cliff Lake)

From Tennessee Creek to West Fork Tuckasegee River

2-79-(5.5)c

WS-III,B;Tr

131.4 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1



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Tuckasegee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Tuckasegee River From Savannah Creek to UT 0.3 miles upstream of Yellow Bird Creek
2-79-(35.5)a C;Tr 1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Tuckasegee River From UT 0.3 miles upstream of yellow Bird Creek to Dillsboro Dam
2-79-(35.5)b C;Tr 0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Tuckasegee River From Dillsboro Dam to Mack Town Branch
2-79-(38) C 0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Tuckasegee River From Mack Town Branch to Oconaluftee River
2-79-(40.5)a B 11.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Tuckasegee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Tuckasegee River

From Oconaluftee River to Cochran Branch

2-79-(40.5)b

B

6.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Tuckasegee River (East Fork Lake)

From source to Tennessee Creek

2-79-(0.5)

WS-III,B;Tr,ORW

4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Tuckasegee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Tuckasegee River Arm of Fontana Lake, Little Tennessee River, below elevation 1708 MSL From Lemmons Creek to Peachtree Creek

2-(78)a C 170.6 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

Tuckasegee River Arm of Fontana Lake, Little Tennessee River, below elevation 1708 MSL That portion of Tuckasegee River Arm of Fontana Lake below the upstream side of the mouth of Noland Creek

2-(89) B 1,019.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Tuckasegee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT TUCKASEGEE R

Source to TUCKASEGEE R

2-79-(24)ut4

1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	pH (6 su, AL, FW)	3t
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



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Tuckasegee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

**West Fork Tuckasegee River
(Thorpe Lake below elevation
3492 MSL)**

From source in Thorpe Lake Backwater at Elevation 3492 MSL to Thorpe Dam

2-79-23-(1)

WS-III,B;HQW

1,388.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1

Wolf Creek (Wolf Creek Lake)

From source to Wolf Creek Dam

2-79-9-(1)

WS-III,B;Tr,HQW

5.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1

Cheoah River

From Santeetlah Dam to Rock Creek

2-190-(22)a

C;Tr

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Cheoah River

From Rock Creek to Calderwood Lake, Little Tennessee River

2-190-(22)b

C;Tr

5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Lower Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cheoah River

From the Town of Robbinsville's proposed water supply intake, to Mountain Creek

2-190-(3.5)

C;Tr

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Water Temperature (20°C, AL, Tr)	3a
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Cheoah River, Santeetlah Lake below elevation 1940 MSL

From Mountain Creek to Santeetlah Dam

2-190-(5)

B;Tr

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Lower Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hunting Boy Branch From source to Little Snowbird Creek
2-190-9-17-21 C 1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Jenks Branch From source to Tipton Creek
2-195-5-2 C;Tr 1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Little Santeetlah Creek From source to Santeetlah Creek
2-190-19-7 C;Tr 3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Lower Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Snowbird Creek

From source to Snowbird Creek

2-190-9-17

C;Tr

15.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	pH (6 su, AL, FW)	3a
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1



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Lower Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

LITTLE TENNESSEE RIVER (Calderwood Lake)

From Fontana Dam to North Carolina-Tennessee State Line Calderwood Lake Portion

2-(167)b

C;Tr

107.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1

LITTLE TENNESSEE RIVER (Cheoah Lake)

From Fontana Dam to North Carolina-Tennessee State Line Cheoah Lake Portion

2-(167)a

C;Tr

592.9 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1

Peckerwood Creek

From source to Tellico River

2-195-4

C;Tr

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Lower Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Snowbird Creek

From Polecat Branch to Santeetlah Lake, Cheoah River

2-190-9-(15.5)

C;Tr

5.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Sweetwater Creek

From source to a point 0.5 mile upstream of mouth

2-190-3-(0.5)

WS-III;Tr

7.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Tellico River

From source to North Carolina-Tennessee State Line

2-195

C;Tr

5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Tipton Creek

From source to Tellico River

2-195-5

C;Tr

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Tulula Creek

From source to a point 0.5 mile upstream of mouth

2-190-2-(0.5)

WS-III;Tr

12.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Twentymile Creek

From Proctor Branch to Lake Cheoah, Little Tennessee River

2-178-(4)

C;Tr,HQW

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Lower Little Tennessee River Subbasin

Little Tennessee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Yellow Creek

From source to Cheoah River

2-190-29

C;Tr

8.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Pamlico Sound Subbasin 03020105

Neuse River Basin

Back Bay

Entire Bay, including all inlets, coves, and bays, not otherwise named in the schedule of classifications

27-149-4-2

SA;ORW,NSW

850.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Barry Bay

From source to Thorofare Bay

27-149-1-3

SA;ORW,NSW

606.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Big Gut

From source to Lewis Creek

27-149-3-2

SA;HQW,NSW

1.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Drum Pond

From source to Back Bay

27-149-4-2-7

SA;ORW,NSW

0.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Goose Bay

Entire Bay

27-149-4-2-8

SA;ORW,NSW

33.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico Sound Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Great Ditch

From Core Sound to Goose Bay

27-149-4-2-9

SA;ORW,NSW

47.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Great Pond

From source to Cedar Island Bay

27-149-4-1

SA;ORW,NSW

3.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Hog Island Narrows

From Cedar Island Bay to Back Bay

27-149-4-2-10

SA;ORW,NSW

11.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

John Day Ditch

From source to Rumley Bay

27-149-2-1

SA;HQW,NSW

2.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Lewis Creek

From source to Core Sound

27-149-3

SA;ORW,NSW

72.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Little Porpoise Bay

From source to Pamlico Sound

27-157

SA;HQW,NSW

176.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

Pamlico Sound Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Merkle Hammock Creek

From source to Thorofare Bay

27-149-1-2

SA;NSW,ORW

186.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Neuse-Southeast Pamlico Sound ORW Area

All waters within a line beginning at the southwest tip of Ocracoke Island, and extending northwest along the Tar-Pamlico River Basin and Neuse River Basin boundary line to Lat. 35 06'50", Long 76 06'30", thence in a southwest direction to Ship Point

27-148.5

SA;ORW,NSW

38,582.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Oyster Creek

From Core Sound to Goose Bay

27-149-4-2-8-1

SA;ORW,NSW

45.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

PAMLICO SOUND

Northern portion Pamlico within Neuse River Basin subbasin 030413

27-147.5a

SA;HQW,NSW

64,244.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Rumley Bay

From source to Core Sound

27-149-2

SA;ORW,NSW

167.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Southwest Prong Lewis Creek

From source to Lewis Creek

27-149-3-1

SA;ORW,NSW

11.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

Pamlico Sound Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Thorofare From West Thorofare Bay to Thorofare Bay

27-149-1-1 SA;HQW,NSW 34.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Thorofare Bay From source to Core Sound

27-149-1 SA;ORW,NSW 1,674.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Basal Creek [(Bass Lake, (Mills Pond))] From source to Sunset Lake, Middle Creek

27-43-15-3 B;NSW 3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a

Beaverdam Creek From source to Neuse River

27-55 WS-IV;NSW 7.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Beaverdam Creek (Beaverdam Creek Reservoir below normal pool elevation)

From backwaters of Beaverdam Creek Reservoir to Little Beaverdam Creek

27-12-(0.7)

WS-IV,B;NSW,CA

974.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3b

Beddingfield Creek

From source to Neuse River

27-37

C;NSW

3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Black Creek

From source to Crabtree Lake, Crabtree Cr.

27-33-5

C;NSW

3.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Black Creek

From dam at Panther Lake to 1 mile upstream of Reedy Creek

27-45-(2)a

C;NSW

14.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Black Creek

From 1 mile upstream of Reedy Creek to mouth of Sassarixa Creek

27-45-(2)b

C;NSW

8.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Brier Creek

From source to Crabtree Lake, Crabtree Cr.

27-33-4

C;NSW

6.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Data Inconclusive	> 10% and >90 conf N<10	Turbidity (25 NTU, AL, FW acres & SW)	3a

Buckhorn Creek

From source to point 0.7 mile downstream of Granville-Wake County Line

27-13-1(1)

WS-IV;NSW

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Buckwater Creek

From source to Eno River

27-2-12

WS-IV;NSW

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Buffalo Creek

From dam at Robertsons Pond to a point 200 feet upstream from West Haywood Street near Wendell

27-57-16-(2)

B;NSW

5.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Buffalo Creek (Wendell Lake)

From a point 200 feet upstream from West Haywood Street near Wendell to UT on west side of creek 0.8 miles south of Wendell Lake

27-57-16-(3)a

C;NSW

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a

Buffalo Creek (Wendell Lake)

From UT on west side of creek 0.8 miles south of Wendell Lake to Little River

27-57-16-(3)b

C;NSW

15.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Cedar Creek

From source to a point 0.2 mile downstream of Wake County SR 2005

27-18-(1)

WS-IV;NSW

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Crabtree Creek

From source to backwaters of Crabtree Lake

27-33-(1)

C;NSW

5.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Crabtree Creek

From mouth of Richlands Creek to Hairsnipe Creek

27-33-(10)a

C;NSW

2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Crabtree Creek

From mouth of Hairsnipe Creek to 2.75 miles upstream of Neuse River

27-33-(10)b

C;NSW

10.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Crabtree Creek

From 2.75 miles upstream of Neuse River to Neuse River

27-33-(10)c

C;NSW

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5

Crabtree Creek (Crabtree Lake)

From backwaters of Crabtree Lake to Cary WWTP

27-33-(3.5)a1

B;NSW

443.7 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a
Data Inconclusive	> 10% and >90 conf N<10	Turbidity (25 NTU, AL, FW acres & SW)	3a



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Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Crabtree Creek (Crabtree Lake)

Area north of Aviation Parkway

27-33-(3.5)a2

B;NSW

15.8 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Data Inconclusive	> 10% and >90 conf N<10	Turbidity (25 NTU, AL, FW acres & SW)	3a



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Crabtree Creek (Crabtree Lake)

From Cary WWTP to mouth of Richlands Creek

27-33-(3.5)b

B;NSW

5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	BOD	1t
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1i
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Crooked Creek

From source to Eno River

27-2-18

WS-IV;NSW

5.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Deep Creek From source to Flat River
27-3-4 WS-III;ORW,NSW 16.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Dial Creek From source to a point 0.8 mile upstream of Durham County SR 1616
27-3-6-(1) WS-III;NSW 4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

East Fork Eno River From source to Lake Orange Eno River
27-2-3a WS-II;HQW,NSW 3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

East Fork Eno River From Lake Orange to Unnamed tributary
27-2-3c WS-II;HQW,NSW 0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4c

East Fork Eno River From Unnamed tributary to Eno River
27-2-3d WS-II;HQW,NSW 1.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

East Fork Eno River (Lake Orange) From source to Eno River

27-2-3b WS-II;HQW,NSW 143.6 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1

Ellerbe Creek From source to I-85 Bridge

27-5-(0.3) WS-V;NSW 6.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5

Ellerbe Creek From I-85 Bridge to a point 0.2 mile upstream of Durham County SR 1636

27-5-(0.7) WS-IV;NSW 5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Ellerbe Creek

From a point 0.2 mile upstream of Durham County SR 1636 to Falls Lake, Neuse River

27-5-(2)

WS-IV;NSW,CA

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	3a
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	Not assessed	Chromium (50 µg/l, AL, FW)	1t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Eno River

From source to a point 0.4 mile upstream of Dry Run

27-2-(1)

WS-II;HQW,NSW

2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Eno River

From Orange County SR 1561 to U. S. Highway 501

27-2-(10)

WS-IV,B;NSW

16.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Eno River

From U. S. Highway 501 to a point 0.5 mile upstream of City of Durham emergency pumping facility raw water intake (Lat: 36 04' 40" Long: 78 53' 00")

27-2-(19)

WS-IV;NSW

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Eno River

From a point 0.5 mile upstream of Durham emergency pumping facility raw water intake to Durham emergency pumping facility raw water intake

27-2-(19.3)

WS-IV;NSW,CA

0.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Eno River

From dam at Lake Ben Johnston to 2.3 miles upstream of Cates Creek

27-2-(7)a

WS-V;NSW

3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Eno River

From 2.3 miles upstream of Cates Creek to Orange County SR 1561

27-2-(7)b

WS-V;NSW

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Eno River (Corporation Lake)

From a point 0.4 mile upstream of Dry Run to dam at Lake Ben Johnston (Orange County water supply intake & Town of Hillsborough water supply intake)

27-2-(3.5)

WS-II;HQW,NSW,CA

41.2 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Eno River (including the Eno River Arm of Falls Lake)

From City of Durham emergency pumping facility raw water intake to a point 0.5 mile upstream of Little River

27-2-(19.5)

WS-IV;NSW

4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Falling Creek

Frowm Wayne County SR 1006 to Thoroughfare Swamp

27-54-(3.5)a

WS-IV;NSW

7.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Falling Creek

Frowm Wayne County SR 1006 to Thoroughfare Swamp

27-54-(3.5)b

WS-IV;NSW

6.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Flat River

From source to a point 2.0 miles downstream of Durham County SR 1614

27-3-(1)

WS-III;NSW

9.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Flat River

From dam at Lake Michie to a point 0.2 miles upstream of Durham County SR 1004

27-3-(8)

WS-IV;NSW

1.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Flat River (including the Flat River Arm of Falls Lake)

From a point 0.2 miles upstream of Durham County SR 1004 to Falls Lake, Neuse River

27-3-(9)

WS-IV;NSW,CA

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Flat River (Lake Michie)

From a point 2.0 miles downstream of Durham County SR 1614 to dam at Lake Michie

27-3-(5.5)

WS-III;NSW,CA

471.7 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1

Hannah Creek

From source to NC 96

27-52-6a

C;NSW

10.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Natural Conditions	pH (6 su, AL, FW)	1nc

Hannah Creek

From NC 96 to Mill Creek

27-52-6b

C;NSW

13.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Hare Snipe Creek

From dam at Lake Lynn to Crabtree Creek

27-33-12-(2)

C;NSW

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hare Snipe Creek (Lake Lynn)

From source to dam at Lake Lynn

27-33-12-(1)

B;NSW

2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Horse Creek

From a point 0.3 mile upstream of Franklin County SR 1139 to a point 0.1 mile downstream of Wake County SR 1923

27-17-(0.7)

WS-IV;NSW

6.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Jumping Run

From source to Eno River

27-2-17

WS-IV;NSW

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Knap of Reeds Creek

From source to a point 0.3 mile upstream of mouth of Camp Creek

27-4-(1)

WS-II;HQW,NSW

5.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Knap of Reeds Creek

From dam at Lake Butner to a point 1.9 miles downstream of Granville County SR 1120

27-4-(6)

WS-IV;NSW

5.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Zinc (50 µg/l, AL, FW)	5
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4c
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Knap of Reeds Creek

From a point 1.9 miles downstream of Granville County SR 1120 to Falls Lake, Neuse River

27-4-(8)

WS-IV;NSW,CA

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Knap of Reeds Creek (including Butner Lake below normal water elevation 356 ft. MSL)

From a point 0.3 mile upstream of mouth of Camp Creek to dam at Lake Butner

27-4-(2)

WS-II;HQW,NSW,CA

323.8 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1

Ledge Creek (Lake Rogers)

From backwater of Rogers Lake to 0.5 miles upstream of dam

27-10-(1)b

WS-II;HQW,NSW,CA

34.4 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Data Inconclusive	> 10% and >90 conf N<10	Turbidity (25 NTU, AL, FW acres & SW)	3a
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a

Ledge Creek (Lake Rogers)

From 0.5 miles upstream of dam to dam at Creedmoor Water Supply Reservoir

27-10-(1)c

WS-II;HQW,NSW,CA

106.3 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Data Inconclusive	> 10% and >90 conf N<10	Turbidity (25 NTU, AL, FW acres & SW)	3a
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a

Lick Creek

From source to Wake County SR 1809

27-11-(0.5)

WS-IV;NSW

6.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



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Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lick Creek

From Wake County SR 1809 to Falls Lake, Neuse River

27-11-(1.5)

WS-IV;NSW,CA

0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Little Brier Creek

From source to Brier Creek

27-33-4-1

C;NSW

5.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5

Little Buffalo Creek

From source to Little River

27-57-17

C;NSW

7.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Little Creek

From source to Swift Creek

27-43-12

C;NSW

11.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Little Lick Creek

From source to a point 0.4 mile upstream of Durham County SR 1811

27-9-(0.5)

WS-IV;NSW

7.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Data Inconclusive	Not assessed	Dissolved Oxygen (4 mg/l, AL, FW)	5
Data Inconclusive	Not assessed	Turbidity (50 NTU, AL, FW miles)	5



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Lick Creek (including portion of Little Lick Creek Arm of Falls Lake) From a point 0.4 mile upstream of Durham SR 1811 to Falls Lake, Neuse River

27-9-(2) WS-IV;NSW,CA 0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	4s
Data Inconclusive	Not assessed	Dissolved Oxygen (4 mg/l, AL, FW)	5
Data Inconclusive	Not assessed	Turbidity (50 NTU, AL, FW miles)	5

Little River From source to a point 0.1 mile upstream of Durham County SR 1461

27-2-21-(1) WS-II;HQW,NSW 2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Little River From dam at Little River Reservoir to a point 0.9 mile upstream of mouth

27-2-21-(6) WS-IV;NSW 6.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little River

From Spring Branch to 4.2 miles upstream of NC 581

27-57-(20.2)a

WS-IV;NSW

8.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Little River

From 4.2 miles upstream of NC 581 to a point 0.6 mile downstream of Smith Mill Run

27-57-(20.2)b

WS-IV;NSW

11.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little River

From a point 1.0 mile downstream from U.S. 70 to Neuse River

27-57-(22)

C;NSW

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



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Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little River (Little River Reservoir) From a point 0.1 mile upstream of Durham County SR 1461 to dam at Little River Reservoir

27-2-21-(3.5) WS-II;HQW,NSW,CA 32.4 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little River (Moores Pond, Mitchell Mill Pond)

From source to Big Branch

27-57-(1)a

WS-II;HQW,NSW

13.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Little River (Moores Pond, Mitchell Mill Pond)

From Big Branch to 0.2 miles upstream of Wake County line

27-57-(1)b

WS-II;HQW,NSW

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Exceeding Criteria	> 10% and >90 conf	pH (6 su, AL, FW)	5
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Little River (Tarpleys Pond)

From bridge at N.C. Hwy. 97 to Dam at Tarpleys Pond

27-57-(8.5)a1

WS-V;NSW

19.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little River (Tarpleys Pond)

From Dam at Tarpleys Pond Little Buffalo Creek

27-57-(8.5)a2

WS-V;NSW

13.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little River (Tarpleys Pond)

From Little Buffalo Creek to Spring Branch

27-57-(8.5)b

WS-V;NSW

11.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Lower Barton Creek

From source to Wake County SR 1834

27-16-(1)

WS-IV;NSW

6.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Marks Creek (Lake Myra)

From source to Neuse River

27-38

C;NSW

10.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Marsh Creek

From source to Crabtree Creek

27-33-20

C;NSW

6.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Middle Creek

From 0.8 miles south of US 1 to ut on west of creek 3.0 miles downstream

27-43-15-(1)b1

C;NSW

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Middle Creek

From ut on west isde of creek 3.0 miles downstream to backwaters of Sunset Lake

27-43-15-(1)b2

C;NSW

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Middle Creek

From dam at Sunset Lake to small impoundment upstream of US 401

27-43-15-(4)a1

C;NSW

4.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	3b
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Middle Creek

From small impoundment upstream of US 401 to Terrible Creek

27-43-15-(4)a2

C;NSW

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Middle Creek

From Terrible Creek to Mill Branch

27-43-15-(4)b

C;NSW

10.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Middle Creek

From Mill Branch to Swift Creek

27-43-15-(4)c

C;NSW

27.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Mill Creek (Moorewood Pond)

From source to Stone Creek

27-52-(1)a

C;NSW

23.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Mill Creek (Moorewood Pond)

From source to Stone Creek

27-52-(1)b

C;NSW

11.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and < 90% conf	Dissolved Oxygen (4 mg/l, AL, FW)	5e
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mine Creek From source to Shelly Lake
27-33-14a C;NSW 3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Mine Creek From Shelly Lake to Crabtree Creek
27-33-14b C;NSW 1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Moccasin Creek (Holts Pond) From source to a point 0.6 mile downstream of dam at Holts Pond
27-53-(0.5) C;NSW 10.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mountain Creek

From source to Durham County SR 1616

27-2-21-4-(1)

WS-II;HQW,NSW

5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER

From dam at Falls Lake to a point 0.5 mile upstream of Town of Wake Forest proposed water supply intake (Former water supply intake for Burlington Mills Wake Finishing Plant)

27-(20.7)

WS-IV;NSW

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	BOD	1t
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1i
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER

From Town of Wake Forest proposed water supply intake to Rocky Creek

27-(22.5)a

C;NSW

9.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

NEUSE RIVER

From Rocky Creek to Crabtree Creek

27-(22.5)b

C;NSW

4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Exceeding Criteria	FOATS EC	Hydrology	4r
Exceeding Criteria	FOATS EC	Fish Passage	4r



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER

From Crabtree Creek to Auburn Knightdale Road

27-(22.5)c

C;NSW

3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER

From mouth of Beddingfield Creek to a point 0.2 mile downstream of Johnston County SR 1700

27-(36)

WS-V;NSW

4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Exceeding Criteria	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	5e
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER

From a point 0.2 mile downstream of Johnston County SR 1700 to point 1.4 mile downstream of Johnston County SR 1908

27-(38.5)

WS-IV;NSW

9.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Exceeding Criteria	< 10%	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER

From City of Smithfield water supply intake to a point 1.4 miles downstream of Gar Gut

27-(41.7)

WS-V;NSW

17.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

NEUSE RIVER

From a point 1.4 miles downstream of Gar Gut to a point 1.7 miles upstream of Bawdy Creek

27-(49.25)

WS-IV;NSW

9.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER

From a point 1.7 miles upstream of Bawdy Creek to a point 0.5 mile upstream of Richardson Bridge Road/SR 1201

27-(49.5)

WS-IV;NSW

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3a
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



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Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER

From a point 0.5 miles upstream of Richardson Bridge Road/SR 1201 to Johnston County's intake at Richardson Bridge Road/SR 1201

27-(49.75)

WS-IV;NSW,CA

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	5
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER

From Richardson Bridge Road/SR 1201 to a point 0.75 mile upstream of Mocassin Creek

27-(50.375)a

WS-IV;NSW

5.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3a
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

NEUSE RIVER

From a point 0.75 mile upstream of Mocassin Creek to a point 0.8 mile upstream of Little River

27-(50.375)b

WS-IV;NSW

18.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

NEUSE RIVER

From a point 0.8 mile upstream of Little River to City of Goldsboro water supply intake (located 0.4 mile upstream of Little River)

27-(55.5)

WS-IV;NSW,CA

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER

From City of Goldsboro water supply intake to subbasin 030405-030412 boundary

27-(56)a

C;NSW

5.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

NEUSE RIVER (Falls Lake below normal pool elevation)

From source (confluence of Eno River Arm of Falls Lake and Flat River Arm of Falls Lake) to I-85 bridge

27-(1)

WS-IV;NSW,CA

2,703.6 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (25 NTU, AL, FW acres & SW)	5
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4b
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

NEUSE RIVER (Falls Lake below normal pool elevation)

From I-85 bridge to Panther Creek

27-(5.5)a

WS-IV,B;NSW,CA

877.8 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (25 NTU, AL, FW acres & SW)	5
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4b

NEUSE RIVER (Falls Lake below normal pool elevation)

From Panther Creek to Ledge Creek Arm

27-(5.5)b1

WS-IV,B;NSW,CA

3,315.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4b
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER (Falls Lake below normal pool elevation)

Ledge Creek Arm

27-(5.5)b2

WS-IV,B;NSW,CA

1,236.1 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3b
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

NEUSE RIVER (Falls Lake below normal pool elevation)

From Ledge Creek Arm to Lick Creek Arm

27-(5.5)b3

WS-IV,B;NSW,CA

884.3 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4b
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

NEUSE RIVER (Falls Lake below normal pool elevation)

Lick Creek Arm

27-(5.5)b4a

WS-IV,B;NSW,CA

474.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3b
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER (Falls Lake below normal pool elevation)

From Lick Creek Arm to New Light Creek Segment

27-(5.5)b4b

WS-IV,B;NSW,CA

854.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1b
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1

NEUSE RIVER (Falls Lake below normal pool elevation)

New Light Creek Segment

27-(5.5)b4c

WS-IV,B;NSW,CA

380.9 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3b

NEUSE RIVER (Falls Lake below normal pool elevation)

From New Light Creek Segment to Falls Dam

27-(5.5)b4d

WS-IV,B;NSW,CA

2,247.9 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1b
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER (Falls Lake below normal pool elevation)

Lower Barton Creek Arm

27-(5.5)b4e

WS-IV,B;NSW,CA

136.6 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3b

Neuse River Cut-Off

From source to Neuse River

27-59

C;NSW

1.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

New Light Creek

From source to Wake County SR 1911

27-13-(0.1)

WS-IV;NSW

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

North Flat River

From source to Flat River

27-3-2

WS-III;NSW

16.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

North Fork Little River

From SR 1519 to Little River

27-2-21-3b

WS-II;HQW,NSW

12.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Perry Creek

From dam at Greshams Lake to Neuse River

27-25-(2)

C;NSW

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4t

Perry Creek (Greshams Lake)

From source to dam at Greshams Lake

27-25-(1)

B;NSW

2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4t



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Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pigeon House Branch

From source to Crabtree Creek

27-33-18

C;NSW

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	4t
Data Inconclusive	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	3a
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	4s
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Poplar Creek

From source to Neuse River

27-35

C;NSW

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a

Reedys Creek (Reedy Creek Lake)

From source to Crabtree Creek

27-33-8

B;NSW

28.8 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Data Inconclusive	Not assessed	Aquatic Weeds	3t

Rhodes Creek

From source to Eno River

27-2-14

WS-IV;NSW

3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Richland Creek

From Wake-Franklin County Line to Neuse River

27-21-(1.5)

WS-IV;NSW

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Richlands Creek

From source to Crabtree Creek

27-33-11

C;NSW

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Rocky Branch

From source to Hunt Drive

27-34-6a

C;NSW

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5

Rocky Branch

From Hunt Drive to Walnut Creek

27-34-6b

C;NSW

2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5

Sanford Creek

From source to Smith Creek

27-23-5

C;NSW

3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Sevenmile Creek

From source to a point 0.4 mile upstream of I-85

27-2-6-(0.5)

WS-II;HQW,NSW

5.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Smith Creek

From a point 0.5 mile downstream of Granville County SR 1711 to a point 0.4 mile upstream of mouth

27-12-2-(2)

WS-IV;NSW

5.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Smith Creek

From dam at Wake Forest Reservoir to Neuse River

27-23-(2)

C;NSW

5.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	> 10% and >90 conf N<10	Zinc (50 µg/l, AL, FW)	3a

Smith Creek (Wake Forest Reservoir)

From a point 0.3 mile downstream of Franklin-Wake County Line to dam at Wake Reservoir

27-23-(1.5)

WS-II;HQW,NSW,CA

53.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Snipes Creek

From source to Little River

27-57-12

C;NSW

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

South Flat River

From source to SR 1009

27-3-3a

WS-III;NSW

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Flat River

From SR 1009 to Flat River

27-3-3b

WS-III;NSW

14.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

South Fork Little River

From source to Little River

27-2-21-2

WS-II;HQW,NSW

18.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Stony Creek

From a point 0.4 mile upstream of Orange County SR 1710 to Eno River

27-2-13-(2)

WS-IV;NSW

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Swift Creek

From source to confluence with Williams Creek

27-43-(1)a

WS-III;NSW

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4t



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Swift Creek

From confluence with Williams Creek to backwaters of Lake Wheeler

27-43-(1)b

WS-III;NSW

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	4t
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Swift Creek

From Lake Wheeler Dam to a point 0.6 mile upstream of Wake County SR 1006

27-43-(1)d

WS-III;NSW

2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Swift Creek

From dam at Lake Benson to Little Creek

27-43-(8)a

C;NSW

20.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Swift Creek

From Little Creek to Neuse River

27-43-(8)b

C;NSW

12.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Swift Creek (Lake Benson)

From a point 0.6 mile upstream of Wake County SR 1006 to backwaters of Lake Benson

27-43-(5.5)a

WS-III;NSW,CA

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Swift Creek (Lake Benson)

From backwaters of Lake Benson to dam at Lake Benson

27-43-(5.5)b

WS-III;NSW,CA

472.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Swift Creek (Lake Wheeler) From backwaters of Lake Wheeler to the Lake Wheeler Dam

27-43-(1)c WS-III;NSW 564.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a

Sycamore Creek (Big Lake) From source to Crabtree Creek

27-33-9 B;NSW 61.8 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Data Inconclusive	Not assessed	Aquatic Weeds	3t

Terrible Creek From dam at Johnsons Pond to Middle Creek

27-43-15-8-(2) C;NSW 7.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

The Canal From source to Little River

27-57-21.3 C;NSW 3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Toms Creek (Mill Creek) From source to Browns Lake

27-24a1 C;NSW 1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Toms Creek (Mill Creek)

From Browns Lake to Neuse River

27-24b

C;NSW

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Turkey Creek (Lake Ann)

From source to Sycamore Creek

27-33-9-2

B;NSW

3.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Unnamed Tributary at Camp New Life

From a point 0.3 mile upstream of Wake County SR 2002 to Falls Lake, Neuse River

27-20.5-(3)

WS-IV;NSW,CA

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Unnamed Tributary near Neuse

From dam at Camp Durant to Perry Creek

27-25-3-(2)

C;NSW

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Unnamed Tributary to Swift Creek (Yates Mill Pond)

From dam at Silver Lake to a point 0.5 mile upstream of mouth

27-43-5-(1.5)

WS-III;NSW

6.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



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Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Upper Barton Creek From source to a point 0.5 mile upstream of Wake County SR 1844
27-15-(1) WS-IV;NSW 4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

UT MINE CR Source to MINE CR
27-33-14aut8 2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Ut to Juniper Swamp

From source to Juniper Swamp

27-52-6-6ut13

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Middle Creek

source to Middle Creek

27-43-15-(1)but3

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a

UT to Neuse River

Source to Neuse River

27-(22.5)cut12

3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Swift Creek (Lake Benson)

From Source to Lake Benson

27-43-(5.5)but7

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT1 to NEUSE RIVER

From source to Neuse River

27-(22)ut1

WS-IV;NSW,CA

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

UT1 to Unnamed Tributary at Camp New Life

From source to UT at Camp New Life

27-20.5-(2)ut1

WS-IV;NSW

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

UT2 to Little Lick Creek

From source to Little Lick Creek

27-9-(0.5)ut2

WS-IV;NSW

2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Data Inconclusive	Not assessed	Dissolved Oxygen (4 mg/l, AL, FW)	5

UT2 to Little Lick Creek (including portion of Little Lick Creek Arm of Falls Lake)

From a source to Falls Lake Little Lick Creek

27-9-(2)ut2

WS-IV;NSW,CA

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Data Inconclusive	Not assessed	Dissolved Oxygen (4 mg/l, AL, FW)	5

UT2 to Toms Creek (Mill Creek)

From source to Toms Creek

27-24aut2

C;NSW

0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



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Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT3 to Richlands Creek

From source to Richlands Creek

27-33-11ut3

C;NSW

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

UT4 to Toms Creek (Mill Creek)

From source to Toms Creek

27-24but4

C;NSW

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Walnut Creek

From source to backwaters of Lake Johnson

27-34-(1)

C;NSW

4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5

Walnut Creek

From dam at Lake Johnson to backwaters of Lake Raleigh

27-34-(1.7)

C;NSW

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5

Walnut Creek

From dam at Lake Raleigh to UT 0.6 miles west of I-440

27-34-(4)a

C;NSW

6.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Walnut Creek

From UT 0.6 miles west of I-440 to Neuse River

27-34-(4)b

C;NSW

3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Walnut Creek (Lake Johnson)

From backwaters of Lake Johnson to dam at Lake Johnson

27-34-(1.5)

B;NSW

148.3 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5



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Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Walnut Creek (Lake Raleigh)

From backwaters of Lake Raleigh to dam at Lake Raleigh

27-34-(3.5)

B;NSW

68.3 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5

West Fork Eno River

From source to Reservoir dam

27-2-2a

WS-II;HQW,NSW

204.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a

West Fork Eno River

From reservoir dam to Eno River

27-2-2b

WS-II;HQW,NSW

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

White Oak Creek (Austin Pond)

From source to Swift Creek

27-43-11

C;NSW

7.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



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Upper Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Williams Creek

From source to Swift Creek

27-43-2

WS-III;NSW

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	4t

Bear Creek

From source to West Bear Creek

27-72-(0.1)a

C;Sw,NSW

8.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Bear Creek

From West Bear Creek a point 0.3 mile downstream of Lenoir County SR 1002

27-72-(0.1)b

C;Sw,NSW

3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Middle Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bear Creek

From a point 0.3 mile downstream of Lenoir County SR 1002 to Neuse River

27-72-(5)

WS-IV;Sw,NSW

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Billy Branch

From source to Stoney Creek

27-62-3

C;NSW

1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Clayroot Swamp

From source to SR 1925

27-97-5a

C;Sw,NSW

9.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Clayroot Swamp

From SR 1925 to Swift Creek

27-97-5b

C;Sw,NSW

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Core Creek

From source to upstream crossing of SR 1239

27-90a1

C;Sw,NSW

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1



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Middle Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Core Creek

From upstream crossing of SR 1239 to Grape Creek

27-90a2

C;Sw,NSW

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Severe	Benthos (Nar, AL, FW)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Core Creek

From Grape Creek to Neuse River

27-90b

C;Sw,NSW

15.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (NA, AL, swamp)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Middle Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Creeping Swamp

From source to Clayroot Swamp

27-97-5-3

C;Sw,NSW

8.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Falling Creek

From source to Neuse River

27-77

C;Sw,NSW

15.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Middle Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Flat Swamp

From source to Core Creek

27-90-3

C;Sw,NSW

5.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1

Indian Well Swamp

From source to Clayroot Swamp

27-97-5-2

C;Sw,NSW

7.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Middle Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Meeting House Branch

From source to Bear Creek

27-72-3

C;Sw,NSW

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Middle Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (NA, AL, swamp)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Mill Branch (Cliffs of Neuse Lake)

From source to Still Branch

27-69-1

B;NSW

8.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1



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Middle Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mosely Creek

From source to Falling Creek

27-77-2

C;Sw,NSW

5.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Mosley Creek

From source to Neuse River

27-84

C;Sw,NSW

12.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Middle Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER

From subbasin 030405-030412 boundary to a point 0.7 mile downstream of the mouth of Coxes Creek.

27-(56)b

C;NSW

21.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Middle Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER

From a point 0.7 mile downstream of the mouth of Coxes Creek to a point 0.6 mile upstream of Lenoir County proposed water supply intake.

27-(70.5)

WS-IV;NSW

9.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Middle Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER

From Lenoir County proposed water supply intake to Stoneyton Creek.

27-(75.7)a

C;NSW

25.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Middle Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER

From Stonyton Creek to mouth of Contentnea Creek.

27-(75.7)b

C;NSW

6.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Palmetto Swamp

From source to Swift Creek

27-97-5.3

C;Sw,NSW

8.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1

Stoney Creek

From source to Neuse River

27-62

C;NSW

10.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Stoney Run

From source to Stoney Creek

27-62-0.5

C;NSW

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Middle Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Swift Creek

From source to 5.3 miles upstream of Clayroot Swamp

27-97-(0.5)a1

C;Sw,NSW

19.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Swift Creek

From 5.3 miles upstream of Clayroot Swamp to Clayroot Swamp

27-97-(0.5)a2

C;Sw,NSW

5.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Swift Creek

From Clayroot Swamp to mouth of Bear Branch

27-97-(0.5)b

C;Sw,NSW

14.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

Middle Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Swift Creek

From mouth of Bear Branch to Neuse River (8.0 S Miles)

27-97-(6)

SC;Sw,NSW

48.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

UT 23 to Stoney Creek

From source to Stoney Creek

27-62ut23

C;NSW

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Middle Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT NEUSE R

Source to NEUSE R

27-(75.7)aut22

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Walnut Creek (Lake Wackena, Spring Lake)

From source to Neuse River

27-68

C;NSW

6.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Aquatic Weeds	3t

Appletree Swamp

From source to Nahunta Swamp

27-86-14-7

C;Sw,NSW

6.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Beaverdam Creek

From source to Turkey Creek

27-86-3-8

C;NSW

5.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Bull Branch

From source to Moccasin Creek

27-86-2-6.5

C;NSW

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Contentnea Creek Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Contentnea Cr (Buckhorn Reservoir)

Buckhorn Reservoir

27-86-(1)a

WS-V;NSW

758.2 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	BOD	1t
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1i



Final 2016 Integrated Report-All Assessed Waters

Contentnea Creek Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Contentnea Cr (Buckhorn Reservoir)

From Buckhorn Reservoir to a point 0.6 mile upstream of Marsh Swamp

27-86-(1)b

WS-V;NSW

5.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Contentnea Creek Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Contentnea Creek

From dam at Wilson Water Supply (Wiggins Mill Pond) to 0.7 miles upstream of Toisnot Swamp

27-86-(7)a

C;Sw,NSW

19.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Contentnea Creek

0.7 miles upstream of Toisnot Swamp to Nahunta Swamp

27-86-(7)b1

C;Sw,NSW

15.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



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Contentnea Creek Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Contentnea Creek

From Nahunta Swamp to Neuse River

27-86-(7)b2

C;Sw,NSW

45.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (NA, AL, swamp)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Contentnea Creek Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Contentnea Creek (Wiggins Mill Reservoir)

From a point 0.6 mile downstream of Shepard Branch to dam at Wilson Water Supply Intake (Wiggins Mill Reservoir)

27-86-(5.8)

WS-IV;NSW,CA

510.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1

Fort Run

From source to Contentnea Creek

27-86-15

C;Sw,NSW

7.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Hominy Swamp

From source to Contentnea Creek

27-86-8

C;Sw,NSW

9.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Little Contentnea Creek

From source to Black Swamp

27-86-26a

C;Sw,NSW

11.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Contentnea Creek Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Contentnea Creek

From Black Swamp to Contentnea Creek

27-86-26b

C;Sw,NSW

23.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a



Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Creek (West Side)

From source to Moccasin Creek

27-86-2-4

C;NSW

4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Swamp

From source to Contentnea Creek

27-86-5.2

WS-IV;NSW

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1



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Contentnea Creek Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Contentnea Creek Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Moccasin Creek (Bunn Lake)

From source to Contentnea Creek

27-86-2

C;NSW

22.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Moccasin Run

From source to The Slough

27-86-14-1-2

C;Sw,NSW

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (NA, AL, swamp)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Nahunta Swamp

From source to The Slough

27-86-14a

C;Sw,NSW

19.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Contentnea Creek Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Nahunta Swamp

From source to The Slough

27-86-14b

C;Sw,NSW

7.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



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Contentnea Creek Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER (above model segment)

From mouth of Contentnea Creek to Streets Ferry

27-(85)

C;Sw,NSW

22.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Rainbow Creek

From source to Contentnea Creek

27-86-21

C;Sw,NSW

8.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Contentnea Creek Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

The Slough

From source to Nahunta Swamp

27-86-14-1

C;Sw,NSW

8.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Toisnot Swamp

From UT 0.9 miles south of US 301 to Whiteoack Swamp

27-86-11-(5)b1

C;Sw,NSW

5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Toisnot Swamp

From UT 0.9 miles south of US 301 to Whiteoack Swamp

27-86-11-(5)b2

C;Sw,NSW

6.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Contentnea Creek Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Toisnot Swamp (Silver Lake, Lake Wilson) Lake Wilson

27-86-11-(1)d WS-III;NSW 77.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a

Turkey Creek From source to Old Middlesex Road

27-86-3-(1)a1 C;NSW 19.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Turkey Creek From Old Middlesex Road to SR 1101

27-86-3-(1)a2 C;NSW 2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and < 90% conf	Dissolved Oxygen (4 mg/l, AL, FW)	5e
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Watery Branch From source to Contentnea Creek

27-86-12 C;Sw,NSW 5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Contentnea Creek Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Wheat Swamp Creek

From source to Contentnea Creek

27-86-24

C;Sw,NSW

14.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Abraham Bay

From source to Turnagain Bay

27-137-5

SA;HQW,NSW

96.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Adams Creek

From a line crossing Adams Creek at a point 406 meters south of mouth of Kellum Creek to a point 637 meters north of mouth Beck Creek exluding DEH prohibited area at mouth of Dumpling Creek to Neuse River

27-128a

SA;HQW,NSW

1,424.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Adams Creek

DEH prohibited area at mouth of Dumpling Creek

27-128b

SA;HQW,NSW

3.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Adams Creek

DEH conditionally approved-closed area from source to a line crossing Adams Creek at a point 406 meters south of mouth of Kellum Creek to a point 637 meters north of mouth of Beck Creek

27-128c

SA;HQW,NSW

317.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Adams Creek Canal (Intracoastal Waterway) From the White Oak River Basin Boundary 0.4 miles north of boundary
27-128-1a SA;HQW,NSW 12.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Adams Creek Canal (Intracoastal Waterway) From 0.4 miles north of White Oak River Basin Boundary to Adams Creek
27-128-1b SA;HQW,NSW 126.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Back Creek (Black Creek)

From source to Adams Creek excluding swimming area near mouth

27-128-3a

SA;HQW,NSW

259.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Data Inconclusive	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	3z1
Data Inconclusive	Not assessed	Fecal Coliform (GM 14 or 43, SH, SA)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Back Creek (Black Creek)

Swimming area near mouth

27-128-3b

SA;HQW,NSW

2.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Ball Creek

From source to 0.1 miles upstream of Pasture Creek

27-150-20a

SA;HQW,NSW

32.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Ball Creek

From 0.1 miles upstream of Pasture Creek to 0.2 miles downstream of Pasture Creek

27-150-20b1

SA;HQW,NSW

24.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Ball Creek

From 0.2 miles downstream of Pasture Creek to Bay River

27-150-20b2

SA;HQW,NSW

56.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Barnes Creek

From source to Bay River

27-150-23

SA;HQW,NSW

1.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Bay River

From 27-150-(9.5)b to a line crossing the Bay River from Newton Creek to a point 0.3 miles upstream of Moore Creek

27-150-(9.5)a1

SA;HQW,NSW

672.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bay River

From a line crossing the Bay River from Newton Creek to a point 0.3 miles upstream of Moore Creek to Pamlico Sound

27-150-(9.5)a2

SA;HQW,NSW

8,304.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Bay River

DEH closed extending 366 meters east of SC SA line

27-150-(9.5)b1

SA;HQW,NSW

100.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bay River

DEH prohibited area along shore of Log Pond Creek area.

27-150-(9.5)b2

SA;HQW,NSW

16.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Bear Creek

From source to DEH prohibited area line 42 meters south of confluence with Bennett Creek

27-150-28a

SA;HQW,NSW

199.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bear Creek

From DEH prohibited area line 42 meters south of confluence with Bennet Creek to Plum Creek

27-150-28b1

SA;HQW,NSW

18.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bear Creek

From Plum Creek to Bay River

27-150-28b2

SA;HQW,NSW

168.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Beaver Creek

From source to Trent River

27-101-15

C;Sw,NSW

12.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Severe	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Beaverdam Branch

From source to Mill Run

27-101-23-1

C;Sw,NSW

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Beaverdam Creek

From source to Trent River

27-101-21

C;Sw,NSW

6.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Bennett Creek

From source to Bear Creek

27-150-28-1

SA;HQW,NSW

15.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Benneys Creek

From source to Long Bay

27-148-1-3

SA;HQW,NSW

2.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Berrys Creek

From source to Neuse River (1.36589956283569 S Miles)

27-132

SA;HQW,NSW

8.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Big Branch

From source to Mitchell Creek

27-123-4-1

SA;HQW,NSW

1.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Big Chinquapin Branch

From source to Trent River

27-101-14

C;Sw,NSW

6.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Big Creek

From source to DEH prohibited area line

27-135-17a

SA;HQW,NSW

59.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Big Creek

From DEH prohibited area line to South River

27-135-17b

SA;HQW,NSW

58.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Big Gut

From source to Turnagain Bay

27-137-2

SA;HQW,NSW

70.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Big Oyster Creek

From source to Pamlico Sound

27-155

SA;HQW,NSW

55.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Big Porpoise Bay

From source to Pamlico Sound

27-156

SA;HQW,NSW

661.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bills Creek

From source to Jones Bay

27-152-3

SA;HQW,NSW

8.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Blossum Pond Creek

From source to Little Bear Creek

27-150-27-1

SA;HQW,NSW

15.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Bonner Bay

From source to Bay River

27-150-26

SA;HQW,NSW

865.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Bright Creek

From source to Orchard Creek

27-134-1

SA;HQW,NSW

10.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Broad Creek

From source to Turnagain Bay

27-137-4

SA;HQW,NSW

49.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Broad Creek

From source to a line across Broad Creek from a point 331 meters east of mouth of Browns Creek to a point 145 meters east of mouth of Tar Creek

27-141a

SA;HQW,NSW

202.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Broad Creek From a line across Broad Creek from a point 331 meters east of mouth of Browns Creek to a point 145 meters east of mouth of Tar Creek to the Neuse River

27-141b SA;HQW,NSW 527.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Brown Creek From source to Neuse River

27-136 SA;HQW,NSW 98.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Brown Creek From source to Broad Creek

27-141-3 SA;HQW,NSW 122.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bryan Creek From source to Spring Creek

27-150-26-1-4 SA;HQW,NSW 13.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Buck Creek From source to South River

27-135-7 SA;HQW,NSW 6.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bull Creek From source to West Thorofare Bay

27-148-2-1 SA;HQW,NSW 13.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Burton Creek From source to Broad Creek
27-141-7 SA;HQW,NSW 46.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cabin Creek From source to Ball Creek
27-150-20-3 SA;HQW,NSW 30.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cadduggen Creek From source to West Thorofare Bay
27-148-2-2 SA;HQW,NSW 2.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Capp Creek From source to Middle Bay
27-154-1 SA;HQW,NSW 11.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Catchall Creek From source to Bear Creek
27-150-28-8 SA;HQW,NSW 4.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cedar Bay From source to Neuse River
27-138 SA;HQW,NSW 267.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cedar Creek From source to Adams Creek
27-128-6 SA;HQW,NSW 108.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cedar Creek From source to Broad Creek
27-141-10 SA;HQW,NSW 11.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cedar Gut From source to Beard Creek (2.06863594055176 S Miles)
27-111-2 SC;Sw,NSW 12.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Cedar Island Bay Entire Bay, including all inlets, coves, and bays, not otherwise named in the schedule of classifications
27-149-4 SA;ORW,NSW 2,857.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Chadwick Creek From source to Bay River
27-150-29 SA;HQW,NSW 54.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Chappel Creek From source to Moore Creek
27-150-12-1 SA;HQW,NSW 1.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cherry Branch From source to Neuse River (1.20249724388123 S Miles)
27-119 SA;HQW,NSW 7.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Clubfoot Creek From source to Neuse River
27-123 SA;HQW,NSW 562.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Coffee Creek From source to South River
27-135-13 SA;HQW,NSW 6.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Coffee Creek From source to Brown Creek
27-141-3-2 SA;HQW,NSW 7.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Coot Creek From source to Jones Bay
27-152-10 SA;HQW,NSW 0.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Core Sound From Northeastern limit of White Oak River Basin (a line from Hall Point to Drum Inlet) to Pamlico Sound
27-149 SA;ORW,NSW 18,201.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Courts Creek (Coaches Creek)

From source to Neuse River

27-127

SA;HQW,NSW

43.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cow Gallus Creek

From source to Long Creek

27-150-26-2-2

SA;HQW,NSW

11.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cox Creek

From source to Bear Creek

27-150-28-5

SA;HQW,NSW

3.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cullie Creek

From source to Cedar Creek

27-128-6-1

SA;HQW,NSW

4.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Dawson Creek

From source to mouth of Tarkiln Creek

27-125-(1)

SC;NSW

225.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Dawson Creek

From mouth of Tarkiln Creek to 0.03 miles upstream of Neuse River

27-125-(6)a

SA;HQW,NSW

121.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Exceeding Criteria	Ent 5in30 GM>35	Enterococcus (GM 35, REC, SW)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Dawson Creek From 0.03 miles upstream of Neuse River to Neuse River

27-125-(6)b SA;HQW,NSW 1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Exceeding Criteria	Ent 5in30 GM>35	Enterrococcus (GM 35, REC, SW)	5
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Deep Bend From source to West Bay

27-148-4 SA;HQW,NSW 241.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Deep Gut From source to Turnagain Bay

27-137-3 SA;HQW,NSW 51.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Deep Oak Gut From source to Long Creek

27-150-26-2-1 SA;HQW,NSW 2.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Deep Slough From Pamlico Sound to The Passage

27-149-4-2-6-1 SA;ORW,NSW 3.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Delamar Creek From source to Adams Creek

27-128-9 SA;HQW,NSW 11.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Dipping Vat Creek From source to Long Creek
27-150-26-2-3 SA;HQW,NSW 26.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Ditch Creek From source to Gale Creek
27-150-31-5 SA;HQW,NSW 19.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Ditch Creek From source to Jones Bay
27-152-6 SA;HQW,NSW 171.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Ditch Creek Canal From Ditch Creek (Jones Bay) to Ditch Creek (Gale Creek)
 (0.480531632900238 S Miles)
27-150-31-5-1 SA;HQW,NSW 2.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Dixon Creek From source to South River
27-135-14 SA;HQW,NSW 2.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Doe Creek From source to South River
27-135-8 SA;HQW,NSW 4.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Doll Creek From source to Jones Bay
27-152-4 SA;HQW,NSW 11.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Dowdy Bay From source to West Bay
27-148-7 SA;HQW,NSW 157.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Dowdy Creek From source to Ditch Creek
27-152-6-2 SA;HQW,NSW 7.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Drum Creek From source to Jones Bay
27-152-7 SA;HQW,NSW 59.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Duck Creek From source to South River
27-135-6 SA;HQW,NSW 2.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Dump Creek From source to Bay River
27-150-35 SA;HQW,NSW 84.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Dumpling Creek

From source to 0.1 miles upstream of Adams Creek

27-128-7a

SA;HQW,NSW

20.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Dumpling Creek

From 0.1 miles upstream of Adams Creek to Adams Creek

27-128-7b

SA;HQW,NSW

5.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

East Bay

From source to Rattan Bay

27-143-2

SA;HQW,NSW

174.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

East Fork South River

From source to South River

27-135-2

SA;HQW,NSW

14.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

East Prong Mortons Mill Pond

From source to Mortons Mill Pond (0.550861120223999 S Miles)

27-123-2-2

SA;HQW,NSW

3.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

East Prong Slocum Creek

From source to Slocum Creek

27-112-2

C;Sw,NSW

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Eastman Creek	From source to South River		
27-135-10	SA;HQW,NSW	95.6	S Acres
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Elisha Creek	From source to South River		
27-135-4	SA;HQW,NSW	2.2	S Acres
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
End of Island Slough	From Pamlico Sound to Back Bay		
27-149-4-2-3	SA;ORW,NSW	2.8	S Acres
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Fisherman Bay	From source to Bay River		
27-150-37	SA;HQW,NSW	64.5	S Acres
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Fishing Bay	From source to Pamlico Sound		
27-153	SA;HQW,NSW	63.0	S Acres
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Flag Creek	From source to Long Bay		
27-148-1-1	SA;HQW,NSW	4.7	S Acres
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Flower Bay From source to Middle Bay
27-154-3 SA;HQW,NSW 21.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Fork Run From source to Dawson Creek (2.59999990463257 S Miles)
27-125-2 SC;NSW 15.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Severe	Benthos (Nar, AL, FW)	5

Fullers Ditch From Pamlico Sound to Back Bay
27-149-4-2-5 SA;ORW,NSW 6.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Fur Creek From source to Long Bay
27-148-1-5 SA;HQW,NSW 7.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Gale Creek From source to DEH prohibited area line on west side of ICWW
27-150-31a SA;HQW,NSW 29.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Gale Creek From DEH prohibited area line on west side to new prohibited area line 0.25 miles west of ICWW
27-150-31b1 SA;HQW,NSW 16.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Gale Creek

From DEH prohibited area line on west side of ICWW to Bay River including east side of ICWW

27-150-31b2

SA;HQW,NSW

172.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Garbacon Creek

From source to Neuse River

27-131

SA;HQW,NSW

25.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Garden Creek

From source to Bear Creek

27-150-28-6

SA;HQW,NSW

6.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Gascon Creek

From source to Bay River

27-150-22

SA;HQW,NSW

3.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Gatlin Creek

From source to Neuse River (2.47291350364685 S Miles)

27-121

SA;HQW,NSW

15.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Gideon Creek

From source to Broad Creek

27-141-2

SA;HQW,NSW

26.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Godfrey Creek

From source to Adams Creek

27-128-10

SA;HQW,NSW

34.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Golden Creek

From source to Long Bay

27-148-1-2

SA;HQW,NSW

9.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Goose Bay

From source to West Thorofare Bay

27-148-2-3

SA;HQW,NSW

46.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Great Neck Creek

From source to Neuse River (1.66052341461182 S Miles)

27-126

SA;HQW,NSW

10.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Great Pond

From Pamlico Sound to Back Bay

27-149-4-2-1

SA;ORW,NSW

42.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Green Creek

From source to Broad Creek

27-141-11

SA;HQW,NSW

79.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Green Point Cove

From source to West Bay

27-148-6

SA;HQW,NSW

100.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Greens Creek (Oriental Restricted Area)

From the upstream side of the mouth of Kershaw Creek to Neuse River described as inside a line beginning at a point on the northwest side of the mouth of Whittaker Creek and running due southeast 100 yards to a stake in Neuse River, thence running in a so

27-129-(2)

SC;HQW,NSW

189.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Gulden Creek

From source to Clubfoot Creek

27-123-3

SA;HQW,NSW

34.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Gum Tricket Creek

From source to Neuse River

27-140

SA;HQW,NSW

10.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Hancock Creek

From source to Neuse River

27-115

SC;Sw,NSW

422.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Hardy Creek

From source to South River

27-135-18

SA;HQW,NSW

24.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Harlowe Canal

From White Oak River Basin Boundary (Craven-Carteret County Line) to Clubfoot Creek (0.639999985694885 S Miles)

27-123-1

SA;HQW,NSW

3.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Harper Creek

From source to Bay River

27-150-10

SA;HQW,NSW

32.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Harper Creek

From source to Bear Creek

27-150-28-7

SA;HQW,NSW

4.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Harris Creek

From source to Bay River

27-150-21

SA;HQW,NSW

2.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hayward Creek

From source to Trent River

27-101-35

C;Sw,NSW

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Berylium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (NA, AL, swamp)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Henry Creek

From source to Jones Bay

27-152-2

SA;HQW,NSW

1.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Henrys Creek From source to Long Bay
27-148-1-4 SA;HQW,NSW 2.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Herring Pond Entire pond and connecting stream to South River
27-135-20 SA;HQW,NSW 11.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Hogpen Creek From source to Bay River
27-150-33 SA;HQW,NSW 3.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Horton Bay From source to South River
27-135-19 SA;HQW,NSW 101.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Horton Creek From source to Spring Creek
27-150-26-1-3 SA;HQW,NSW 4.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Intracoastal Waterway Prohibited area at head of Jones Bay
27-150-31-1a SA;HQW,NSW 2.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Intracoastal Waterway From Jones Bay to Gale Creek except for prohibited area at head of Jones Bay

27-150-31-1b SA;HQW,NSW 81.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Intracoastal Waterway From N. C. Hwy 304 Bridge to Jones Bay

27-152-1 SA;HQW,NSW 7.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Isaac Creek From source to Adams Creek

27-128-2 SA;HQW,NSW 39.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Island Creek From source to Trent River

27-101-33 C;Sw,NSW 6.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Ives Creek From source to Bryan Creek

27-150-26-1-4-1 SA;HQW,NSW 8.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Jacks Bay From source to Long Bay

27-148-1-9 SA;HQW,NSW 61.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Jerry Bay

From source to Adams Creek

27-128-1.5

SA;HQW,NSW

52.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Jonaquin Creek

From source to Cedar Creek

27-128-6-2

SA;HQW,NSW

35.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Jones Bay

From source to 0.2 miles downstream of ICWW

27-152a

SA;HQW,NSW

17.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Jones Bay

From 0.2 miles downstream of ICWW to Pamlico Sound

27-152b

SA;HQW,NSW

2,865.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Jumprover Creek

From source to Intracoastal Waterway

27-150-31-1-1

SA;HQW,NSW

7.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Kearney Creek

From source to Adams Creek

27-128-4

SA;HQW,NSW

4.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Kellum Creek

From source to Adams Creek

27-128-5

SA;HQW,NSW

10.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

King Creek

From source to Neuse River (2.35247135162354 S Miles)

27-120

SA;HQW,NSW

14.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Lambert Creek

From source to Jones Bay

27-152-5

SA;HQW,NSW

7.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Leary Canal

From Porpoise Creek to Capp Creek (0.893895864486694 S Miles)

27-154-1-1

SA;HQW,NSW

5.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Little Bear Creek

From source to Bay River

27-150-27

SA;HQW,NSW

55.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Little Chinquapin Branch

From source to Trent River

27-101-11

C;Sw,NSW

5.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Creek From source to South River
27-135-11 SA;HQW,NSW 6.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Little Creek From source to Neuse River
27-139 SA;HQW,NSW 13.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Little Drum Creek From source to Jones Bay
27-152-9 SA;HQW,NSW 20.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Little Eve Creek From source to Jones Bay
27-152-8 SA;HQW,NSW 24.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Little Oyster Creek From source to Middle Bay
27-154-5 SA;HQW,NSW 62.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Little Pasture Creek From source to Bay River
27-150-17 SA;HQW,NSW 6.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Long Bay From source to West Bay
27-148-1 SA;HQW,NSW 3,227.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Long Creek From source to Neuse River
27-124 SA;HQW,NSW 67.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Long Creek From source to Bonner Bay
27-150-26-2 SA;HQW,NSW 356.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Maul Run From source to Spring Creek
27-150-26-1-2 SA;HQW,NSW 1.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Maw Bay From source to Neuse River
27-146 SA;HQW,NSW 18.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Maw Point Creek From source to Neuse River
27-147 SA;HQW,NSW 7.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Merkle Bay

From source to West Bay

27-148-3

SA;HQW,NSW

336.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Mesic Creek

From source to Bay River

27-150-19

SA;HQW,NSW

4.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Middle Bay

From source to Pamlico Sound

27-154

SA;HQW,NSW

535.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Mill Creek

From source to Broad Creek

27-141-9

SA;HQW,NSW

12.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Mill Run

From source to Trent River

27-101-23

C;Sw,NSW

3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Mill Swamp

From source to Upper Broad Creek

27-106-3

C;Sw,NSW

1.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Miry Gut

From source to South River

27-135-3

SA;HQW,NSW

0.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Mitchell Creek

From source to Clubfoot Creek

27-123-4

SA;HQW,NSW

117.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Moore Creek

From source to Bay River

27-150-12

SA;HQW,NSW

28.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Morris Creek

From source to Riggs Creek

27-150-26-3-2

SA;HQW,NSW

5.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Mortons Mill Pond

From source to Clubfoot Creek

27-123-2

SA;HQW,NSW

30.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Mulberry Creek

From source to South River

27-135-16

SA;HQW,NSW

6.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mulberry Point Creek From source to Turnagain Bay
27-137-7 SA;HQW,NSW 15.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Musselshell Creek From source to Trent River
27-101-17 C;Sw,NSW 5.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Nameless Bay From source to West Bay
27-148-5 SA;HQW,NSW 75.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Neal Creek From source to South River
27-135-5 SA;HQW,NSW 2.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER Estuary

From a line across Neuse River from Johnson Point to McCotter Point to a line across the river from 0.6 miles north of Otter Creek and 0.7 miles south of Goose Creek

27-(104)a1

SB;Sw,NSW

5,947.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t
Exceeding Criteria	> 10% and >90 conf	pH (8.5, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	pH (8.5, AL, SW)	3a
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Water Temperature (32°C, AL, LP&CP)	3a
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER Estuary

From a line across the river from 0.6 miles north of Otter Creek and 0.7 miles south of Goose Creek to 0.5 miles upstream of Beard Creek

27-(104)a2

SB;Sw,NSW

7,788.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	pH (8.5, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Total Nitrogen	3t
Data Inconclusive	> 10% and < 90% conf	Water Temperature (32°C, AL, LP&CP)	3a
Data Inconclusive	> 10% and < 90% conf	Total Phosphorus	3t
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3i
Data Inconclusive	> 10% and < 90% conf	pH (8.5, AL, SW)	3a
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1
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NEUSE RIVER Estuary

From a line across Neuse River from 1.2 miles upstream of Slocum Creek to 0.5 miles upstream of Beard Creek to a line across Neuse River from Wilkinson Point to Cherry Point (bend model segment)

27-(104)b

SB;Sw,NSW

10,756.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER Estuary

From a line across Neuse River from Wilkinson Point to Cherry Point to a line across the river From Adams Creek to Wiggins Point (part of lower model segment)

27-(118)a1

SA;HQW,NSW

17,135.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and >90 conf	Total Phosphorus	3t
Data Inconclusive	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	3i
Data Inconclusive	> 10% and >90 conf	Total Nitrogen	3t
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	pH (8.5, AL, SW)	3a
Data Inconclusive	> 10% and < 90% conf	Water Temperature (32°C, AL, LP&CP)	3a
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER Estuary

From a line across Neuse River From Adams Creek to Wiggins Point to Pamlico Sound (mouth of Neuse River described as a line running from Maw point to Point of Marsh)

27-(118)a2

SA;HQW,NSW

50,851.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3a
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1i
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Total Nitrogen	1t
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Total Phosphorus	1t
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

NEUSE RIVER Estuary

DEH prohibited area at mouth of Clubfoot Creek

27-(118)b

SA;HQW,NSW

96.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1i
Meeting Criteria	< 10%	Total Nitrogen	1t
Meeting Criteria	< 10%	Total Phosphorus	1t
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

NEUSE RIVER Estuary

DEH prohibited area at mouth of Green Creek

27-(118)c

SA;HQW,NSW

61.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1i
Meeting Criteria	< 10%	Total Nitrogen	1t
Meeting Criteria	< 10%	Total Phosphorus	1t
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

NEUSE RIVER Estuary

DEH prohibited area at mouth of Peirce Creek

27-(118)d

SA;HQW,NSW

7.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1i
Meeting Criteria	< 10%	Total Nitrogen	1t
Meeting Criteria	< 10%	Total Phosphorus	1t
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER Estuary DEH Conditionally approved-open area at mouth of the South River
27-(118)e SA;HQW,NSW 210.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1i
Meeting Criteria	< 10%	Total Nitrogen	1t
Meeting Criteria	< 10%	Total Phosphorus	1t
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

NEUSE RIVER Estuary Prohibited area at Cherry Branch Minnesott Ferry Landing south side of river
27-(118)f SA;HQW,NSW 93.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

NEUSE RIVER Estuary Prohibited area at mouth of Orchard Creek
27-(118)g SA;HQW,NSW 8.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1i
Meeting Criteria	< 10%	Total Nitrogen	1t
Meeting Criteria	< 10%	Total Phosphorus	1t
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER Estuary

Public Beach area at mouth of Dawson Creek

27-(118)h

SA;HQW,NSW

1.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1i
Meeting Criteria	< 10%	Total Nitrogen	1t
Meeting Criteria	< 10%	Total Phosphorus	1t
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER Estuary

From Streets Ferry to Bachelor Creek (river model segment)

27-(96)a

SC;Sw,NSW

426.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Dissolved Oxygen (5 mg/l, AL, SW)	3a
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1i
Meeting Criteria	< 10%	Total Phosphorus	1t
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Total Nitrogen	1t
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER Estuary

From Bachelor Creek to a line across the river from Renny Creek to 0.5 miles north of Mills Branch

27-(96)b1a

SC;Sw,NSW

515.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1i
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Total Phosphorus	1t
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Total Nitrogen	1t
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER Estuary

From a line across the river from Renny Creek to 0.5 miles north of Mills Branch to a line across the river from Jack Smith Creek to 0.5 miles south of Mills Branch

27-(96)b1b

SC;Sw,NSW

484.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Total Nitrogen	3t
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3i
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Total Phosphorus	3t
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER Estuary

From a line across the river from Jack Smith Creek to 0.5 miles south of Mills Branch to the Trent River

27-(96)b1c

SC;Sw,NSW

1,371.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1i
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Total Phosphorus	1t
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Total Nitrogen	1t
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER Estuary

From Trent River to a line across Neuse River from Johnson Point to McCotter Point (part of upper model segment)

27-(96)b2

SC;Sw,NSW

3,473.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Exceeding Criteria	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	5e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



Final 2016 Integrated Report-All Assessed Waters

Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

NEUSE RIVER Estuary at Camp Don Lee Swim beach at Camp Don Lee

27-(118)a1a SA;HQW,NSW 1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1i
Meeting Criteria	< 10%	Total Nitrogen	1t
Meeting Criteria	< 10%	Total Phosphorus	1t
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Newstump Bay From source to West Bay

27-148-9 SA;HQW,NSW 176.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Newton Creek From source to Bay River

27-150-13 SA;HQW,NSW 3.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

No Jacket From source to Bay River

27-150-30 SA;HQW,NSW 13.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Noras Cove Entire Cove

27-149-4-2-2 SA;ORW,NSW 29.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North Bay From source to Rattan Bay

27-143-3 SA;HQW,NSW 126.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

North Bay From source to West Bay

27-148-10 SA;HQW,NSW 958.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Northwest Creek From source to Neuse River

27-105 SB;Sw,NSW 165.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Old Canal From Turnagain Bay to 0.6 miles towards Stump Bay

27-148-1-6-1a SA;HQW,NSW 6.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Old Canal From Stump Bay to 0.4 miles towards Turnagain Bay

27-148-1-6-1b SA;HQW,NSW 4.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Old House Creek From source to Orchard Creek

27-134-3 SA;HQW,NSW 6.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Old House Creek

From source to South River

27-135-15

SA;HQW,NSW

3.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Orchard Creek

From source to a line crossing Orchard Creek at a point 91 meters south of mouth of Bright Creek to a point 99 meters north of mouth of Pasture Creek

27-134a

SA;HQW,NSW

37.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Orchard Creek

From a line crossing Orchard Creek at a point 91 meters south of mouth of Bright Creek to a point 99 meters north of mouth of Pasture Creek to Neuse River

27-134b

SA;HQW,NSW

20.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Owens Bay

From source to Long Bay

27-148-1-8

SA;HQW,NSW

74.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Oyster Creek

From source to Bay River

27-150-25

SA;HQW,NSW

19.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

PAMLICO SOUND

Southern portion Pamlico within Neuse River Basin subbasin 030414 with the exception of DEH prohibited area at mouth of Cedar Island Ferry Harbor

27-147.5b

SA;HQW,NSW

84,692.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

PAMLICO SOUND

DEH prohibited area at Cedar Island Ferry Harbor in southern portion Pamlico within Neuse River Basin subbasin 030414

27-147.5c

SA;HQW,NSW

12.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Parris Creek

From source to Broad Creek

27-141-6

SA;HQW,NSW

19.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Parsons Creek

From source to Broad Creek

27-137-4-2

SA;HQW,NSW

26.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Pasture Creek

From source to Orchard Creek

27-134-2

SA;HQW,NSW

20.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Pasture Creek

From source to Broad Creek

27-141-5

SA;HQW,NSW

2.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Pasture Creek

From source to Ball Creek

27-150-20-2

SA;HQW,NSW

9.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pierce Creek From source to 0.04 miles upstream of Neuse River

27-133a SA;HQW,NSW 48.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Pierce Creek From 0.04 miles upstream of Neuse River to Neuse River

27-133b SA;HQW,NSW 1.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Piney Island Bay From source to Long Bay

27-148-1-7 SA;HQW,NSW 57.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Piney Point Creek From source to Neuse River

27-142 SA;HQW,NSW 13.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Pitman Creek From source to Broad Creek

27-137-4-1 SA;HQW,NSW 2.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Pittman Creek From source to Broad Creek

27-141-8 SA;HQW,NSW 65.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Plum Creek From source to Bear Creek

27-150-28-3 SA;HQW,NSW 8.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Point of Island Bay From source to West Bay

27-148-8 SA;HQW,NSW 115.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Porpoise Creek From source to Big Porpoise Bay

27-156-1 SA;HQW,NSW 24.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Potter Creek From source to Bay River

27-150-24 SA;HQW,NSW 13.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Preston Bay From source to Middle Bay

27-154-2 SA;HQW,NSW 9.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Raccoon Creek From source to Gale Creek

27-150-31-2 SA;HQW,NSW 8.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Raff Creek From source to Riggs Creek
27-150-26-3-3 SA;HQW,NSW 10.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Rattan Bay From source to Neuse River
27-143 SA;HQW,NSW 369.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Rice Creek From source to Bay River
27-150-18 SA;HQW,NSW 12.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Rich Island Gut From source to East Fork South River (9.16916579008102E-02 S Miles)
27-135-2-1 SA;HQW,NSW 0.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Richardson Creek From source to Spring Creek
27-150-26-1-1 SA;HQW,NSW 8.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Riggs Creek From source to Bonner Bay
27-150-26-3 SA;HQW,NSW 115.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Riggs Creek

From source to Bear Creek

27-150-28-4

SA;HQW,NSW

23.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Rockhole Bay

From source to Bay River

27-150-36

SA;HQW,NSW

230.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Roundabout Bay

From source to Middle Bay

27-154-4

SA;HQW,NSW

33.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Royal Creek

From source to South River

27-135-12

SA;HQW,NSW

10.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Sanborns Gut

From source to Trunagain Bay

27-137-1

SA;HQW,NSW

3.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Sandy Huss Creek

From source to Adams Creek

27-128-8

SA;HQW,NSW

15.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Sassafras Branch From source to Neuse River (1.11560964584351 S Miles)

27-122 SA;HQW,NSW 6.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Savannah Creek From source to Riggs Creek

27-150-26-3-1 SA;HQW,NSW 11.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Sheephead Creek From source to Bonner Bay

27-150-26-4 SA;HQW,NSW 18.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Sheepneck Creek From source to Ditch Creek

27-152-6-1 SA;HQW,NSW 15.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Sheeppen Creek From source to Bay River

27-150-32 SA;HQW,NSW 9.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Ship Creek From source to Broad Creek

27-141-1 SA;HQW,NSW 5.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Simpson Creek From source to Ball Creek

27-150-20-1 SA;HQW,NSW 8.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Slocum Creek From source to Neuse River

27-112 SC;Sw,NSW 659.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Snake Branch From source to Mitchell Creek (0.939999997615814 S Miles)

27-123-4-2 SA;HQW,NSW 5.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Snake Gut From Pamlico Sound to Back Bay

27-149-4-2-4 SA;ORW,NSW 4.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Sound Bay From source to Pamlico Sound

27-151 SA;HQW,NSW 53.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Bay

From source to Rattan Bay

27-143-1

SA;HQW,NSW

527.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

South River

From source to a line crossing the South River at a point 97 meters north of mouth of Southwest Creek to a point 418 meters north of mouth of Doe Creek

27-135a

SA;HQW,NSW

415.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

South River

From a line crossing the South River at a point 97 meters north of mouth of Southwest Creek to a point 418 meters north of mouth of Doe Creek t Neuse River

27-135b

SA;HQW,NSW

2,064.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Southwest Creek

From source to South River

27-135-9

SA;HQW,NSW

151.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Southwest Prong Slocum Creek

From source to Slocum Creek

27-112-1

C;Sw,NSW

4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Spice Creek

From source to Brown Creek

27-141-3-1

SA;HQW,NSW

4.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Spring Creek

From source to Bonner Bay

27-150-26-1

SA;HQW,NSW

279.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Stump Bay

From source to Long Bay

27-148-1-6

SA;HQW,NSW

101.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Swan Creek

From source to Neuse River

27-144

SA;HQW,NSW

207.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Tar Creek

From source to Broad Creek

27-141-4

SA;HQW,NSW

44.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Tar Creek

From source to Gale Creek

27-150-31-4

SA;HQW,NSW

3.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Tempe Gut

From source to Bay River

27-150-11

SA;HQW,NSW

0.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

The Passage

From Pamlico Sound to Back Bay

27-149-4-2-6

SA;ORW,NSW

70.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Trent River

From source to Tuckahoe Creek mouth of Deep Gully

27-101-(1)a

C;Sw,NSW

14.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Trent River

From Tuckahoe Creek to Mill Creek

27-101-(1)b

C;Sw,NSW

56.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Trent River

From Mill Creek to mouth of Deep Gully

27-101-(1)c

C;Sw,NSW

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Trent River

From boundary between subbasins 030410 and 030411 to mouth of Brice Creek

27-101-(31)b

SB;Sw,NSW

509.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Trent River

From mouth of Brice Creek to Neuse River

27-101-(39)

SB;Sw,NSW

500.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Tuckahoe Creek

From source to Trent River

27-101-5

C;Sw,NSW

6.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Tump Gut

From source to Turnagain Bay

27-137-6

SA;HQW,NSW

20.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Turnagain Bay

From source to Neuse River

27-137

SA;HQW,NSW

1,556.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Upper Broad Creek

From source to N. C. Hwy. 55 Bridge

27-106-(1)

C;Sw,NSW

7.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Ut to Flat Swamp

From source to Flat Swamp

27-101-15-2-1ut6

1.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Wading Creek

From source to Neuse River

27-145

SA;HQW,NSW

9.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

West Bay

From source to Pamlico Sound

27-148

SA;HQW,NSW

16,359.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

West Fork South River

From source to South River

27-135-1

SA;HQW,NSW

35.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

West Prong Mortons Mill Pond

From source to Mortons Mill Pond (1.40449035167694 S Miles)

27-123-2-1

SA;HQW,NSW

8.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

West Thorofare Bay

From source 0.4 miles downstream of source

27-148-2a

SA;HQW,NSW

1.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Lower Neuse River Subbasin

Neuse River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

West Thorofare Bay

From 0.03 miles downstream of source to West Bay

27-148-2b

SA;HQW,NSW

1,016.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Whealton Creek

From source to Gale Creek

27-150-31-3

SA;HQW,NSW

7.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Whittaker Creek

From source to Neuse River

27-130

SA;HQW,NSW

96.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Win Creek

From source to Bear Creek

27-150-28-2

SA;HQW,NSW

1.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Yaupon Creek

From source to Bay River

27-150-34

SA;HQW,NSW

18.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Eno River (Lake Ben Johnson)

From Dam at Corporation Lake to Dam at Lake Ben Johnson

27-2-(5.5)

WS-II;HQW,NSW,CA

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Upper New River Subbasin 05050001

New River Basin



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Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Big Horse Creek From SR#1362 to SR#1353 (Tuckerdale)
10-2-21-(4.5) C;Tr,ORW 5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Big Horse Creek (Horse Creek) From SR#1353 (Tuckerdale) to North Fork New R
10-2-21-(7) C;ORW 1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Big Laurel Creek From source to North Fork New River
10-2-14 C;Tr,ORW 17.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Bledsoe Creek From source to Little River
10-9-7 C;Tr 5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Brush Creek From source to Little River
10-9-10 C;Tr 27.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Brush Fork From source to North Fork New River
10-2-8 C;Tr,ORW 5.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Buffalo Creek

From source to North Fork New River

10-2-20

C;Tr,HQW

9.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (10 NTU, AL, Tr)	5
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



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Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cobb Creek

From source to Meat Camp Creek

10-1-10-3

C;Tr:+

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (10 NTU, AL, Tr)	5
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Couches Creek

From source to South Fork New River

10-1-21

C:+

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Crab Creek From source to Little River

10-9-12 C;Tr 7.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Cranberry Creek (Mulberry Creek) From source to South Fork New River

10-1-37 B;Tr:+ 18.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

East Fork South Fork New River From source to Watauga County SR 1524

10-1-3-(1) WS-IV;Tr:+ 2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

East Fork South Fork New River From .8 mile downstream of Watauga Co SR 1524 to S Fk New River

10-1-3-(8) WS-IV;CA:+ 0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Elk Creek (North Carolina Portion) From U.S. Hwy. 221 to New River

10-6-(2) C:+ 7.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f



Final 2016 Integrated Report-All Assessed Waters

Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Flannery Fork

From source to Dam at Camp Sky Ranch Bathing Lake

10-1-4-3-(1)

WS-II;B;Tr,HQW

4.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Flannery Fork

From Dam at Camp Sky Ranch Bathing to .4 mile upstream of mouth

10-1-4-3-(2)

WS-II;Tr,HQW

4.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Glade Creek

From source to Little River

10-9-9

C;Tr

8.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Grassy Creek

From North Carolina-Virginia State

10-3

C;Tr:+

4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Helton Creek

From NC-VA State Line to North Fork New River

10-2-27

C;Tr,ORW

19.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hodges Creek

From source to Boone Creek

10-1-4-4-1

C;Tr:+

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Hoskin Fork

From source to North Fork New River

10-2-7

C;Tr,ORW

5.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Howard Creek

From the Appalachian State University Raw Water Supply Intake Dam to South Fork New River

10-1-9-(6)

C;Tr,HQW

3.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Laurel Branch (Laurel Creek)

From source to Brush Creek

10-9-10-2

C;Tr

5.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Little Buffalo Creek

From source to Buffalo Creek

10-2-20-1

C;Tr:+

4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Little Horse Creek

From source to Big Horse Creek

10-2-21-8

C;Tr,ORW

10.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Peak Creek From source to Peak Creek
10-1-35-4 B;Tr:+ 2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1b

Little Phoenix Creek From source to North Fork New River
10-2-23 C;Tr,ORW 4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Little Pine Creek From source to Brush Creek
10-9-10-5 C;Tr 4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little River

From dam at Sparta Lake to NC 18 (Blevins Crossroads)

10-9-(6)

C

17.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1



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Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Little River (North Carolina Portion)

From NC 18 (Blevins Crossroads) to New River (state line)

10-9-(11.5)

C;HQW

3.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little River (Sparta Lake)

From source to Sparta Lake at Pine Swamp Creek

10-9-(1)a

C;Tr

11.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Long Shoals Creek

From source to North Fork New River

10-2-25

C;Tr,ORW

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Meat Camp Creek

From source to South Fork New River

10-1-10

C;Tr:+

10.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Middle Fork Little Horse Creek

From source to Little Horse Creek

10-2-21-8-1

C;Tr,ORW

4.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Middle Fork South Fork New River

From 0.4 mile downstr of US Hwy 221 & 321 to South Fk New River

10-1-2-(15)

WS-IV;CA:+

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Middle Fork South Fork New River From Brown Branch to Boone Dam

10-1-2-(6) WS-IV;Tr:+ 3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Middle Fork South Fork New River (Chetola Lake) From source to Sumpter Cabin Branch

10-1-2-(1)a WS-IV:+ 3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Middle Fork South Fork New River (Chetola Lake) From Sumpter Cabin Creek to Brown Branch

10-1-2-(1)b WS-IV:+ 1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Millpond Branch From source to North Fork New River

10-2-28 C;ORW 2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Moccasin Creek From source to Little River

10-9-11 C 4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Naked Creek From 0.4 miles above Jefferson WWTP to Little Naked Creek

10-1-32b1 C:+ 1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Naked Creek From Little Naked Creek to South Fork New River

10-1-32b2 C:+ 1.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

New River (North Carolina Portion) From first point of crossing state line to last point of crossing state line

10b

C;ORW

6.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3a
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Data Inconclusive	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	3e
Data Inconclusive	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	3a
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Norris Branch (below normal reservoir)

From source to the Appalach St U Raw Water Holding Res Dam

10-1-9-7-(1)

WS-II;Tr,HQW,CA

0.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1

Norris Fork

From source to Meat Camp Creek

10-1-10-2

C;Tr:+

4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

North Fork New River

From source to Three Top Creek

10-2-(1)

C;Tr,ORW

14.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

North Fork New River

From Three Top Creek to Big Laurel Creek

10-2-(12)a

C;ORW

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

North Fork New River

From Big Laurel Creek to Buffalo Creek

10-2-(12)b

C;ORW

12.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

North Fork New River

From confluence with Buffalo Creek to confluence with Big Horse Creek (Horse Creek)

10-2-(19.5)

C;HQW

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North Fork New River

From confluence with Big Horse Creek (Horse Creek) to New River

10-2-(21.5)

C;ORW

36.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Obids Creek

From a point 0.9 mile downstream of NC Hwy 163 to South Fork New River

10-1-27-(2)

WS-IV;Tr:+

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Ore Knob Branch From source to Peak Creek
10-1-35-3 B;Tr:+ 0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	4b

Peak Creek From Water Supply Dam at Appalachian Sulphides, Inc to Ore Knob Branch
10-1-35-(2)a B;Tr:+ 2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Peak Creek From Ore Knob Branch to South Fork New River
10-1-35-(2)b B;Tr:+ 2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1b

Penley Branch From source to Middle Fk S Fk New River
10-1-2-4 WS-IV:+ 1.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pine Orchard Creek

From source to Elk Creek

10-1-15-1

WS-IV;Tr:+

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pine Swamp Creek

From source to Little River

10-9-5

C;Tr

5.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Pine Swamp Creek (Pine Swamp)

From source to South Fork New River

10-1-24

C:+

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Prathers Creek

From source to South Fork New River

10-1-38

B;Tr:+

11.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Rich Hill Creek

From source to North Fork New River

10-2-15

C;Tr,ORW

4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Roan Creek

From 0.5 mile upstream of mouth to South Fork New River

10-1-31-(2)

WS-IV;Tr,CA:+

0.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Rock Creek (Rocky Creek)

From source to New River

10-7

C:+

3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Roundabout Creek From source to North Fork New River

10-2-10 C;Tr,ORW 4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

South Beaver Creek(Lake Ashe) From source to Lake Ashe

10-1-25-2a C;Tr:+ 5.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

South Fork New River From a point 0.4 mile upstream of Couches Creek to a point 2.8 mile upstream of Obids Creek

10-1-(20.5) WS-V;HQW 21.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



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Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Fork New River

From a point 2.8 miles upstream of Obids Creek to Obids Creek

10-1-(26)a

WS-IV;HQW

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



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Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Fork New River

From Obids Creek to a point 0.6 miles upstream of Roan Creek

10-1-(26)b

WS-IV;HQW

6.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

South Fork New River

From Winkler Creek to 0.1 miles downstream of Hunting Lane

10-1-(3.5)a

C:+

0.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



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Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Fork New River

From 0.1 mile downstream Hunting Lane to US Hwy.221/421

10-1-(3.5)b

C:+

5.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Fork New River

From Dog Creek to New River

10-1-(33.5)

B;ORW

22.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Sumpter Cabin Creek

From source to Middle Fork South

10-1-2-5

WS-IV:+

1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Three Top Creek From source to North Fork New River

10-2-13 C;Tr,ORW 13.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

UT CRAB CR Source to CRAB CR

10-9-12ut8ut4 0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

UT MILL CR Source to MILL CR

10-1-18ut4 1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

UT S FK NEW R Source to S FK NEW R

10-1-(14.5)ut4 1.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

UT to South Fork New River From source to South Fork New River

10-1-(20.5)ut13 2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

UT to Three Top Creek From source to Three Top Creek

10-2-13ut20 1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Upper New River Subbasin

New River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT UT CRAB CR

Source to UT CRAB CR

10-9-12ut8

4.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Waterfalls Creek

From source to Little River

10-9-4

C;Tr

4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Winkler Creek

From Winkler Creek Road (SR #1549) to South Fork New River

10-1-4-(3.5)b

C;Tr:+

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Wolf Branch

From source to Glade Creek

10-9-9-1

C;Tr

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Albemarle Sound Subbasin 03010205

Pasquotank River Basin



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

ALBEMARLE SOUND

Freshwater portion of Albemarle Sound formerly part of Chowan River Basin 15600.4 acres

26

B;NSW

6.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Exceeding Criteria	Fish Consumption Advisor	Dioxin Fish Tissue Advisory (Advisory, FC, NC)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

ALBEMARLE SOUND

South side of sound from Roanoke River to 0.5 miles east of Kendricks

30a

SB

7,625.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

ALBEMARLE SOUND

Sound from 0.5 miles east of Kendricks Creek to the Harvey Point/ Bull Bay Crossing

30b

SB

61,749.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



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Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

ALBEMARLE SOUND

Portion at Mouth of Pasquotank River

30c1

SB

203,119.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (8.5, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a



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Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

ALBEMARLE SOUND

Sound from the Harvey Point/ Bull Bay Crossing to Roanoke and Croatan Sounds. Except for portion at Mouth of Pasquotank River

30c2

SB

16,746.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	pH (8.5, AL, SW)	3a
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



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Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

ALBEMARLE SOUND

Colington Harbor swimming beach

30d

SB

9.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Posting>=61	Recreation Advisory Postings (Pathogen Indicator	4cs
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Alligator River

From U.S. Hwy. 64 to Albemarle Sound

30-16-(21.5)

SC;Sw

10,571.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Alligator River

From mouth of Northwest Fork to U. S. Hwy. 64

30-16-(7)

SC;Sw,ORW

38,420.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Areneuse Creek

From source to N.C. Highway # 343

30-3-13-(1)

C;Sw

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1



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Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Atlantic Ocean

From NCVA state line to Oregon Ave in Kill Devil Hills

99-(7)a

SB

39.0 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Atlantic Ocean

From Oregon Ave to Calvin Street

99-(7)b1

SB

0.5 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Atlantic Ocean

From Calvin Street to S Virginia Dare Trail

99-(7)b2

SB

0.4 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Atlantic Ocean

From S Virginia Dare Trail to Konch Street

99-(7)b3

SB

3.1 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Atlantic Ocean

From North of Konch Street to Loon Court in South Nags Head

99-(7)c

SB

8.0 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Atlantic Ocean

From Loon Court in South Nags Head to end of Old Oregon Inlet Road

99-(7)d

SB

0.8 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1



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Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Atlantic Ocean From end of Old Oregon Inlet Road to beach access at Pea Island
99-(7)e SB 11.2 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Atlantic Ocean From beach access at Pea Island to New Inlet at Pea Island
99-(7)f SB 0.9 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Atlantic Ocean From New Inlet at Pea Island to 0.5 miles north of Ramp#34
99-(7)g SB 20.1 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Atlantic Ocean From 0.5 miles north of Ramp#34 to SR 1280
99-(7)h SB 1.0 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Atlantic Ocean From SR 1280 to Hatteras Inlet
99-(7)i SB 22.4 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Baum Creek From source to Croatan Sound
30-20-5 SA;HQW 10.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Beach Slue Entire area of Beach Slue
30-22-9 SA;HQW 76.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Blackmar Gut From source to Pamlico Sound
30-22-13 SA;HQW 4.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Blossie Creek Entire Creek
30-21-12 SA;HQW 33.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Broad Creek DEH closed area at head of creek
30-21-7a SA;HQW 126.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Broad Creek Approved area at mouth of creek
30-21-7b SA;HQW 392.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Bull Bay Entire Bay
30-14 SB 1,839.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Burnt Mill Creek

From source to Yeopim River

30-8-1

C;Sw

5.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Callaghan Creek

From source to Croatan Sound

30-20-4

SA;HQW

24.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Cedar Bush Bay

Entire Bay

30-20-7

SA;HQW

207.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Clarks Bay

Entire Bay

30-22-16

SA;HQW

19.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Coinjock Bay

Area at Bells Island

30-1-6b

SC

66.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Colington Creek

Wildlife Ramp on Bayview Dr.

30-19-1b

SC

0.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Exceeding Criteria	Ent 5in30 GM>35	Enterrococcus (GM 35, REC, SW)	5
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cowells Creek

From source to Tull Creek

30-1-2-2-5-1-1

C;Sw

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Croatan Sound

From Northwest Point on Roanoke Island following a line west to Reeds Point on the Dare County mainland to a line running from a point of land just below Long Wretch Creek on Dare County mainland to the Southern tip of Smith Island south of Roanoke Island

30-20-(2)a

SA;HQW

24,696.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Croatan Sound

The waters of Croatan Sound enclosed in a line beginning at a point near north shore of Spencer Creek at 35 degrees 51' 45" N- 75 degrees 44' 53" W; and thence 250 yards in an easterly direction to a point at 35 degrees 51' 45" n- 75 degrees 44' 43" west

30-20-(2)b

SA;HQW

169.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Croatan Sound

The waters of Croatan Sound which include all waters within a line beginning at a point on the shore at 35 degrees 53' 56" N- 75 degrees 41' 36" W, thence WSW 800 yards to a point in the sound at 35 degrees 53' 38" N- 75 degrees 41' 53 W, thence 1975 yard

30-20-(2)c

SA;HQW

140.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Croatan Sound

The waters of Croatan Sound which include all waters on the North shore of Baum Creek to a straight line to Fl. Beacon number 2 at 35 degrees 50' 27" n-75 degrees 40' 06" W, thence in a straight line tto a point on an island at 35 degrees 50' 05" N- 75 de

30-20-(2)d SA;HQW 156.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Croatan Sound

The waters of Croatan sound which include all waters below Oyster Creek southeast to Cut Through. DEH closed area Croatan Sound 5-e

30-20-(2)e SA;HQW 92.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Croatan Sound

DEH Closure Area at Mann's Harbor

30-20-(2)f SA;HQW 22.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Currituck Sound

From source to Wright Memorial Bridge at Albemarle Sound

30-1a1 SC 69,301.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Currituck Sound

Area around Hampton Lodge Campground

30-1a3 SC 32.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Currituck Sound

Southern Shores Private Soundside Access

30-1c

SC

0.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Posting>=61	Recreation Advisory Postings (Pathogen Indicator	4cs
Exceeding Criteria	Ent 5in30 GM>35	Enterococcus (GM 35, REC, SW)	5
Data Inconclusive	Ent AP GM>35	Enterococcus (GM 35, REC, SW)	3a

Cut Through

From DEH closure line to Croatan Sound

30-20-8a

SA;HQW

128.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cut Through

From Roanoke Sound to DEH closure line

30-20-8b

SA;HQW

178.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Deep Creek

From source to Bull Bay

30-14-2

C;Sw

7.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Doughs Creek

From source to Shallowbag Bay

30-21-3-2

SC;HQW

21.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Dowdys Bay (Poplar Branch Bay)

Area around Grandy Boat Ramp

30-1-15b

SC

3.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator)	1
Exceeding Criteria	Ent 5in30 GM>35	Enterococcus (GM 35, REC, SW)	5
Data Inconclusive	Ent AP GM>35	Enterococcus (GM 35, REC, SW)	3a

Eagle Nest Bay

Entire Bay

30-22-2

SA;HQW

55.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Edenton Bay

Entire Bay 1370.3 acres

26-1

C;NSW

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Georges Creek

From source to Roanoke Sound

30-21-10

SA;HQW

3.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Goat Island Bay

Entire Bay

30-22-3

SA;HQW

40.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Gull Island Bay

Entire Bay

30-22-18

SA;HQW

16.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Halls Creek

From source to Little River

30-5-3

C;Sw

2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Hog I Creek

Entire Creek

30-20-9

SA;HQW

15.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Hooker Gut

From source to South Lake

30-16-23-2-2

SC;Sw

126.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Indiantown Creek and all interconnecting canals

From source to North River

30-2-1

C;Sw

8.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Johns Creek

From source to Roanoke Sound

30-21-5

SA;HQW

10.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Kendrick Creek (Mackeys Creek)

From U.S. Hwy. 64 at Roper to Albemarle Sound

30-9-(2)

SC

80.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Nickel (8.3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a

Lighthouse Bay

Entire Bay

30-21-11

SA;HQW

19.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little River From source to SR 1225 (1 mile downstream of of SR 1221)
30-5-(1)a C;Sw 2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Little River From SR 1225 (1 mile downstream of of SR 1221) to Halls Creek
30-5-(1)b C;Sw 7.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Chlorophyll a (40 µg/l, AL, NC)	5
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Long Wretch Creek From source to Croatan Sound
30-20-10 SA;HQW 1.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Main Canal

From source to Kendrick Creek

30-9-4

C;Sw

4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Severe	Benthos (Nar, AL, FW)	5

Midgett Cove

From source to Pamlico Sound

30-22-15

SA;HQW

36.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Mill Landing Creek (Mill Creek)

From source to Roanoke Sound

30-21-8

SC

29.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Newland Drainage Canal

From source to Pasquotank River

30-3-1.5

C;Sw

7.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

No Ache Bay

Entire Bay

30-22-17

SA;HQW

38.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

North Drain

From source to Pamlico Sound

30-22-14

SA;HQW

2.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Oregon Inlet

Entire Inlet

30-22-1

SA;HQW

571.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Oyster Creek

Entire Creek

30-21-9

SA;HQW

84.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Oyster Creek (Croatan Sound)

From source to Croatan Sound

30-20-6

SA;HQW

62.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Pamlico Sound

Portion of Pamlico Sound (from Croatan and Roanoke Sounds to a line running from Sandy Point south of Stumpy Point Bay to the northeast tip of Ocracoke Island) in subbasin 03-01-55 except DEH closure areas 30-22b through 30-22j.

30-22a

SA;HQW

315,239.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Pamlico Sound

Portion of Pamlico Sound (from Croatan and Roanoke Sounds to a line running from Sandy Point south of Stumpy Point Bay to the northeast tip of Ocracoke Island) in subbasin 03-01-56

30-22i

SA;HQW

5,150.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pamlico Sound

Portion of Pamlico Sound (from Croatan and Roanoke Sounds to a line running from Sandy Point south of Stumpy Point Bay to the northeast tip of Ocracoke Island) in subbasin 03-01-51.

30-22j SA;HQW 18,083.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Pasquotank River

From source to a point 1.7 mile upstream of mouth of Turners Cut

30-3-(1) WS-V;Sw 15.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1



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Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pasquotank River

From a line across River from Hospital Point to Cobb Point to a line across River from Miller Point to Pool Point

30-3-(12)

SB

9,185.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Exceeding Criteria	> 10% and < 90% conf	pH (6.8 su, AL, SW)	5e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pasquotank River From a point 1.7 mile upstream of mouth to Turners Cut to a point 0.6 mile upstream of Pasquotank County SR 1368 extension

30-3-(3) WS-IV;Sw 10.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Pasquotank River From a point 0.6 mile upstream of Pasquotank County SR 1368 extension to Elizabeth City water supply intake

30-3-(5) WS-IV;Sw,CA 0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Pauls Ditch From source to Pamlico Sound

30-22-12 SA;HQW 6.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Pea Island Bay Entire Bay

30-22-6 SA;HQW 18.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Pea Island Creek Entire Creek

30-22-5 SA;HQW 4.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Pembroke Creek From source to Edenton Bay

26-1-1 B;NSW 6.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Perquimans River From source to Goodwin Mill Creek

30-6-(1)a1 C;Sw 15.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Perquimans River From Goodwin Mill Creek to Northfolk-Southern Railroad

30-6-(1)a2 C;Sw 1.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Perquimans River From Bagley Swamp to Norfolk-Southern Railroad Bridge

30-6-(1)b C;Sw 7.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



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Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Perquimans River

From Norfolk-Southern Railroad Bridge to a line across the River from Barrow Point to Ferry Point

30-6-(3)

SC

692.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a

Phelps Lake

Entire Lake

30-14-4-6-1

B;Sw,ORW

15,938.3 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pond Island The waters surrounding the Island within 1,000 feet from shore within subbasin 03-01-51
30-21-4a SA;HQW 165.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Pond Island The waters surrounding the Island within 1,000 feet from shore within subbasin 03-01-56
30-21-4b SA;HQW 40.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Roanoke Sound Those waters in subbasin 03-01-51 in the western portion of Roanoke Sound, from a line running from Northwest Point on Roanoke Island northward to Rhodoms Point on Colington Island, thence a line running eastward through Wright Memorial Monument, to a line
30-21a SA;HQW 9,134.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Roanoke Sound DEH closed area on east side of Roanoke Island extending from mouth of Shallowbag Bay to Johns Creek along the shoreline
30-21b SA;HQW 130.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Roanoke Sound DEH closed area west of Pond Island in subbasin 03-01-51
30-21c SA;HQW 534.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Roanoke Sound DEH closed area adjacent to Mill Landing on east side of Roanoke Island
30-21d SA;HQW 351.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Roanoke Sound DEH Closure area at Old Nags Head Cove
30-21e1a SA;HQW 15.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Roanoke Sound Those waters in 03-01-56 in the eastern portion of Roanoke Sound, from a line running from Northwest Point on Roanoke Island northward to Rhodoms Point on Colington Island, thence a line running eastward through Wright Memorial Monument, to a line running
30-21e1b SA;HQW 14,442.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Roanoke Sound Jockey's Ridge Soundside Access
30-21e2 SA;HQW 4.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Exceeding Criteria	Posting>=61	Recreation Advisory Postings (Pathogen Indicator	4cs
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Roanoke Sound DEH closed area northeast of a line from Rhodams Point to Mann Point including Buzzard bay
30-21f SA;HQW 1,177.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Roanoke Sound The waters of Roanoke sound which include those waters around the Villa Condominium STP Outfall beginning at a point 35 degrees 57' 54" N- 75 degrees 38' 46" W, thence 200 yards in a southwesterly direction to a point in the sound at 35 degrees 57' 48" N-
30-21g SA;HQW 59.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Roanoke Sound DEH closed area east of Pond Island adjacent to HWY 264 bridge
30-21h SA;HQW 405.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Roanoke Sound DEH closed area adjacent to Mill Landing in subbasin 03-01-56
30-21i SA;HQW 100.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Roanoke Sound DEH closed area in southern portion of Roanoke Sound adjacent to Big Tim Island
30-21j SA;HQW 37.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Rockhall Creek Entire Creek
30-21-6 SA;HQW 5.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Round Hammock Bay Entire Bay
30-22-11 SA;HQW 276.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Sand Beach Creek From source to Johns Creek
30-21-5-1 SA;HQW 38.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Sanders Bay

Area around station N84A

30-1-11b

SC

54.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Sandy Ridge Gut (Sawyer Lake)

From source to Milltail Creek

30-16-20-2

C;Sw,ORW

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Sawyers Creek

From source to Pasquotank River

30-3-6

C;Sw

6.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Scuppernong River

From source to mouth of Riders Creek (First Creek)

30-14-4-(1)

C;Sw

13.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Scuppernong River

From mouth of Riders Creek (First Creek) to Bull Bay

30-14-4-(9)

SC

1,733.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Smith Creek

Entire Creek

30-20-11

SA;HQW

3.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

South Lake

From source to East Lake

30-16-23-2

SC;Sw

1,402.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Spencer Creek

From source to Croatan Sound

30-20-3

SA;HQW

86.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Stumpy Point Bay

Entire Bay except DEH area closures

30-22-8a

SA;HQW

1,688.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Stumpy Point Bay

All those waters bounded by a line beginning at a point 35 degrees 41' 55" N-75 degrees 46' 09" W, thence in a southeasterly direction to a point 400 yards offshore at 35 degrees 41' 46" N- 75 degrees 45' 54" W, thence in a southwesterly direction in a st

30-22-8b

SA;HQW

198.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Stumpy Point Bay

All those waters within an area bounded by a line beginning at a point on the east shore at 35 degrees 41' 44" N- 75 degrees 44' 18" W, thence to a point in the bay at 35 degrees 41' 28" N- 75 degrees 44' 45" W, thence to a point in the bay at 35 degrees

30-22-8c

SA;HQW

260.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Terrapin Creek

From source to Terrapin Creek Bay

30-22-7-1

SA;HQW

2.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Terrapin Creek Bay

Entire Bay

30-22-7

SA;HQW

163.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

The Frying Pan

From source to The Straits

30-16-18-1

SC;Sw,ORW

2,389.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

The Trench

From source to Pamlico Sound

30-22-4

SA;HQW

51.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Tull Bay

Entire Bay

30-1-2-2-5

C;Sw

942.9 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

UT to Edenton Bay

From source to Edenton Bay

26-1ut2

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Albemarle Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Wreck Creek

Entire Creek

30-22-10

SA;HQW

43.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Yeopim River

From source to Albemarle Sound

30-8

SC

1,388.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Askins Creek

From source to Pamlico Sound

30-22-24

SA;HQW

4.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Austin Creek (Clubhouse Creek)

From source to Pamlico Sound

30-22-31

SA;HQW

7.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Boat Creek

From source to Pamlico Sound

30-22-25

SA;HQW

1.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Brooks Creek

From source to Pamlico Sound

30-22-28

SA;HQW

24.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

Pamlico Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cape Creek

From source to Pamlico Sound

30-22-27

SA;HQW

15.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Duck Ponds and Isaac Pond

Entire ponds and connecting streams to The Slash

30-22-30-1-1

SA;HQW

10.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Goose Creek

From source to Pamlico Sound

30-22-32

SA;HQW

1.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Hatteras Inlet

Entire Inlet

30-22-33

SA;HQW

143.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Joe Saur Creek

From source to Pamlico Sound

30-22-29

SA;HQW

17.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Long Point Creek

From source to Pamlico Sound

30-22-26

SA;HQW

6.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

Pamlico Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mill Creek

From source to Pamlico Sound

30-22-22

SA;HQW

16.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Pamlico Sound

The waters of Pamlico Sound which include the DEH closed area of a boundary beginning at a point on land west of the Hatteras Ferry Landing at 35 degrees 12' 30" N- 75 degrees 42' 24" W, thence to a point in the ferry channel at 35 degrees 12' 37" N-75 deg

30-22b

SA;HQW

28.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Pamlico Sound

The waters of the Pamlico Sound which include the DEH closed area with mouth 1.17 miles southwest of Durant Point.

30-22c

SA;HQW

15.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Pamlico Sound

The waters of Pamlico Sound which include the DEH closed area with mouth 321 meters east of east mouth of Austin Creek

30-22d

SA;HQW

3.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Pamlico Sound

The waters of Pamlico Sound which include the DEH closed area: all creeks, canals, and tributaries along Hatteras Island between Brooks Point to west mouth of Joe Saur Creek.

30-22e

SA;HQW

18.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

Pamlico Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pamlico Sound

The waters of Pamlico Sound which include the DEH closed area: All waters south of a line beginning at a point on the shore north of Buxton at 35 degrees 16' 44" N- 75 degrees 31' 05" W, thence in a westerly direction through Bald Point to a point on the B

30-22f SA;HQW 187.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Pamlico Sound

The waters of Pamlico Sound which include the DEH closed area at the mouth of Askins Creek

30-22g SA;HQW 1.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Pamlico Sound

The waters of Pamlico Sound which include the DEH closed area at the mouth of Mill Creek. This includes all waters south of a line from Big Island to the Outer Banks and all waters east of line from Big Island to Gibbs Point.

30-22h SA;HQW 29.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Peters Ditch

From source to Pamlico Sound

30-22-23 SA;HQW 2.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Phipps Cove

From source to Pamlico Sound

30-22-19 SA;HQW 5.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

Pamlico Sound Subbasin

Pasquotank River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Sandy Bay DEH Closure Area

30-22-30a SA;HQW 37.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Sandy Bay Entire Bay excluding DEH closure Area

30-22-30b SA;HQW 123.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Spencer Creek From source to Pamlico Sound

30-22-21 SA;HQW 4.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

The Drain From source to Pamlico Sound

30-22-20 SA;HQW 1.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

The Slash From source to Sandy Bay

30-22-30-1 SA;HQW 30.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

John H Kerr Reservoir-Roanoke River Subbasin 03010102 Roanoke River Basin

Grassy Creek (Grass Creek) From source to Little Grassy Creek

23-2-(1)a C 15.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

John H Kerr Reservoir-Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Grassy Creek (Grass Creek) From Little Grassy Creek to John H. Kerr Reservoir at Granville County SR 1431

23-2-(1)b C 15.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Island Creek (Island Creek Reservoir) From source to North Carolina-Virginia State Line, including that portion of Island Creek Reservoir in North Carolina below normal operating elevation

23-4 C 6.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Johnson Creek From source to Little Johnson Creek

23-2-7-(1) C 5.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Keats Branch (Including Keats Branch Arm of John H. Kerr Reservoir below normal pool elevation) From source to North Carolina-Virginia State Line

23-9 C 28.2 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Little Island Creek (Vance County) From source to Island Creek Reservoir, Island Creek

23-4-3 C 11.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

John H Kerr Reservoir-Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mountain Creek

From source to Grassy Creek

23-2-3

C

8.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Nutbush Creek (Including Nutbush Creek Arm of John H. Kerr Reservoir below normal pool elevation)

From source to NC 39

23-8-(1)a

C

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

John H Kerr Reservoir-Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Nutbush Creek (Including Nutbush Creek Arm of John H. Kerr Reservoir below normal pool elevation) From NC 39 to SR 1317

23-8-(1)b

C

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

John H Kerr Reservoir-Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Nutbush Creek (Including Nutbush Creek Arm of John H. Kerr Reservoir below normal pool elevation) From SR 1317 to Nutbush Creek Arm of Kerr Reservoir

23-8-(1)c C 104.3 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Nutbush Creek Arm of John H. Kerr Reservoir (below normal pool elevation 300 feet MSL or as this elevation may be adjusted by the Corps of Engineers) From Crooked Run to North Carolina-Virginia State Line

23-8-(2) B 9,690.1 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Rattlesnake Creek From source to Grassy Creek

23-2-5 C 2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Archies Creek North Carolina portion

22-2 C;Tr 7.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Dan River Headwaters Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Belews Creek (including Belews Lake below elevation 725) (1)

From Southern Railroad Bridge to to a point 1.8 mile downstream of Forsyth-Stokes County Line

22-27-(7)

C

789.7 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Water Temperature (32°C, AL, LP&CP)	5
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Belews Creek (including Belews Lake below elevation 725) (1)

From a point 1.8 mile downstream of the Forsyth-Stokes County Line to Dan River, excluding the Arm of Belews Lake described below which are classified "WS-IV&B"

22-27-(7.5)

WS-IV

1,283.8 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Water Temperature (32°C, AL, LP&CP)	5
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1

Big Beaver Island Creek

From source to Dan River

22-29

C

15.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Big Creek

From source to Dan River

22-9

C;Tr

19.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

Birch Fork

From source to Wolf Island Creek

22-48-4

C

8.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Dan River Headwaters Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Brushy Creek (West Prong Jacobs Creek) From source to Jacobs Creek

22-32-1 C 4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Brushy Fork Creek From source to Town Fork Creek

22-25-1 C 3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Buffalo Creek From source to Dan River

22-37 WS-IV 10.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Cascade Creek From source to backwaters of swimming lake

22-12-(1) B;ORW 0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Cascade Creek From dam at swimming lake to Dan River

22-12-(2)b B 4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Cascade Creek From North Carolina-Virginia State Line to Dan River

22-45 C 1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Dan River Headwaters Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cascade Creek (Hanging Rock Lake) From backwaters to dam at swimming lake

22-12-(2)a

B

12.2 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1



Final 2016 Integrated Report-All Assessed Waters

Dan River Headwaters Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Crooked Creek (North Carolina portion)

From source to last crossing of North Carolina-Virginia State Line

22-30-2-2

C

8.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Dan River Headwaters Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DAN RIVER

From a point 0.7 mile upstream of Jacobs Creek to subbasin 03-02-02/03 boundary

22-(31.5)a

WS-IV

4.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DAN RIVER

From 03-02-02 boundary to a point 0.8 mile downstream of Matrimony Creek

22-(31.5)b

WS-IV

9.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Total Suspended Solids	1t
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DAN RIVER

From a point 0.8 mile downstream of Matrimony Creek to Mill Branch (Town of Eden water supply intake)

22-(38.5)

WS-IV;CA

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

DAN RIVER

From Big Creek to to a point 0.2 mile downstream of Town Fork Creek

22-(8)

WS-V

25.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

DAN RIVER (North Carolina portion)

From North Carolina-Virginia State Line to Little Dan River

22-(1)a

C;Tr

5.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Dan River Headwaters Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DAN RIVER (North Carolina portion)

From Little Dan River to Peters Creek

22-(1)b

C;Tr

11.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DAN RIVER (North Carolina portion)

From Mill Branch to NC/VA crossing downstream of Wolf Island Creek

22-(39)a

C

13.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Arsenic (10 µg/l, HH, NC)	3a
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3a
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Elk Creek

From North Carolina-Virginia State Line to Dan River

22-5

C;Tr

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Dan River Headwaters Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hickory Creek

From source to Mayo River

22-30-5

C

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Hogans Creek

From source to Dan River

22-31

C

12.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Indian Creek

From source to Window Falls

22-13-(1)

C;ORW

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Indian Creek

From Window Falls to Dan River

22-13-(2)

C

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Jacobs Creek

From N.C. Hwy. 704 to Dan River

22-32-(3)

WS-IV

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Little Crooked Creek

From source to Crooked Creek

22-30-2-2-2

C

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Dan River Headwaters Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lynn Branch (Lynn Creek)

From source to Snow Creek

22-20-9

C

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Matrimony Creek (North Carolina portion)

From source to Dan River

22-38

WS-IV

11.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Dan River Headwaters Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mayo River

From North Carolina-Virginia State Line to a point 0.6 mile downstream of Hickory Creek

22-30-(1)

WS-V

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Mayo River

From dam at Mayodan Water Supply Intake to Dan River

22-30-(10)

C

2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Dan River Headwaters Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mill Creek

From source to Dan River

22-18

C

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Neatman Creek

From source to Town Fork Creek

22-25-6

C

12.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Dan River Headwaters Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

North Double Creek

From source to Dan River

22-10

C

14.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Dan River Headwaters Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pawpaw Creek

From a point 1.3 mile upstream of Rockingham County SR 1360 to Mayo R.

22-30-6-(2)

WS-IV

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Peters Creek

From North Carolina-Virginia State Line to Dan River

22-6

C;Tr

9.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Raccoon Creek

From source to Snow Creek

22-20-4

C

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Rock Creek

From source to Dan River

22-43

C

4.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Rock House Creek

From Rockingham County SR 2381 to Dan River

22-34-(2)

WS-IV

6.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Dan River Headwaters Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Smith River

From North Carolina-Virginia State Line to a point 0.8 mile downstream of Rockingham County SR 1714 (Aiken Road)

22-40-(1)

WS-IV

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Dan River Headwaters Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Smith River

From a point 0.8 mile downstream of Rockingham County SR 1714 (Aiken Road) to Fieldcrest Mills Water Supply Intake

22-40-(2.5)

WS-IV;CA

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3a
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Dan River Headwaters Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Smith River

From Fieldcrest Mills Water Supply Intake to Dan River

22-40-(3)

C

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3a
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Snow Creek

From source to Dan River

22-20

C

18.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5

South Double Creek

From source to Dan River

22-11

B

9.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Dan River Headwaters Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Town Creek (Sharps Lake)

From source to Dan River

22-42 C 6.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Town Fork Creek

From source to Timmons Cr.

22-25a C 8.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Town Fork Creek

From Timmons Cr. to Neatman Creek

22-25b1 C 5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Town Fork Creek

From Neatman Creek to Dan River

22-25b2 C 12.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

West Belews Creek (West Belews Creek Arm of of Belews Lake below elevation 725)

From a point 0.4 mile downstream of Powerplant to Belews Creek

22-27-9-(4) WS-IV 582.4 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1



Final 2016 Integrated Report-All Assessed Waters

Dan River Headwaters Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Wolf Island Creek

From source to Dan River

22-48

C

21.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Wood Benton Branch

From source to Dan River

22-21

C

3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Aarons Creek

From source to North Carolina-Virginia State Line

22-59

C

8.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Cane Creek

From North Carolina-Virginia State Line to Dan River

22-54

WS-IV

0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Country Line Creek

From source to a point 0.5 mile upstream of mouth of Nats Fork

22-56-(1)

WS-II;HQW

10.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Country Line Creek

From dam at Farmer Lake to South Country Line Creek

22-56-(3.7)a

C

4.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Dan River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Country Line Creek

From South Country Line Creek to Dan River

22-56-(3.7)b

C

20.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Country Line Creek (Farmers Lake)

Upper reservoir- From a point 0.5 mile upstream of mouth Nats Fork to dam at Farmer Lake (Town of Yanceyville water supply intake located 1.8 mile upstream of N.C. Hwy. 62)

22-56-(3.5)a

WS-II;HQP,CA

90.7 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	5
Exceeding Criteria	> 10% and >90 conf	Turbidity (25 NTU, AL, FW acres & SW)	5

Country Line Creek (Farmers Lake)

Lower reservoir-From a point 0.5 mile upstream of mouth Nats Fork to dam at Farmer Lake (Town of Yanceyville water supply intake located 1.8 mile upstream of N.C. Hwy. 62)

22-56-(3.5)b

WS-II;HQP,CA

271.1 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Dan River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DAN RIVER (North Carolina portion)

From a point approximately 0.5 mile upstream of the City of Roxboro's intake to the City of Roxboro's intake

22-(55.5)

WS-IV;CA

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Dan River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

DAN RIVER (North Carolina portion)

From the City of Roxboro's intake to the last crossing of North Carolina-Virginia State Line

22-(55.75)

C

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3a
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Hogans Creek

From source to Lick Fork Creek

22-50-(0.5)a

C

13.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hogans Creek

From Lick Fork Creek to a point approximately 0.5 mile upstream of SR 1503

22-50-(0.5)b

C

13.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Dan River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Hogans Creek

From a point approximately 0.5 mile upstream of SR 1503 to Dan River

22-50-(6)

WS-IV

2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Dan River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hyc Creek (North Hyc Creek)

From source to Hyc Lake, Hyc River

22-58-1

C

16.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Hyc River

From dam of Hyc Lake to North Carolina-Virginia State Line, including all portions in North Carolina

22-58-(9.5)

C

6.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Dan River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hyc0 River, including Hyc0 Lake below elevation 410

From source in Hyc0 Lake to dam of Hyc0 Lake, including tributary arms below elevation 410

22-58-(0.5)

WS-V,B

4,297.9 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Jones Creek (Lake Wade)

From source to Hogans Creek

22-50-3

C

7.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Marlowe Creek

From source to Mitchell Creek

22-58-12-6a

C

6.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Marlowe Creek

From Mithcell Creek to Storys Creek

22-58-12-6b

C

4.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Zinc (50 µg/l, AL, FW)	5
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Dan River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mayo Creek (Maho Creek)

From dam of Mayo Reservoir to North Carolina-Virginia State Line

22-58-15-(3.5)

C

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Mayo Creek (Maho Creek) (Mayo Reservoir)

From source to dam of Mayo Reservoir

22-58-15-(0.5)

WS-V

2,613.8 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

Dan River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Moon Creek (Wildwood Lake) From source to a point approximately 1.5 miles downstream of SR 150
22-51-(0.5) C 14.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Moon Creek (Wildwood Lake) From a point approximately 1.5 miles downstream of SR 1500 to Dan River
22-51-(4) WS-IV 2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Rattlesnake Creek From source to Dan River
22-52 WS-IV 2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

South Hyco Creek From a point 0.6 mile downstream of Double Creek to Hyco Lake, Hyco River (City of Roxboro water supply intake)
22-58-4-(3) WS-II;HQW,CA 0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

South Hyco Creek (Lake Roxboro) From backwaters of Lake Roxboro to 1.6 miles downstream
22-58-4-(1.4)a WS-II,B;HQW 124.3 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	5
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1

South Hyco Creek (Lake Roxboro) From 1.6 miles downstream of backwaters to dam at Lake Roxboro
22-58-4-(1.4)b WS-II,B;HQW 369.2 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1



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Dan River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

**Storys Creek [Roxboro City Lake
(Lake Issac Walton)]**

From a point 0.9 mile downstream of N.C. Hwy. 57 to Roxboro City Lake Dam

22-58-12-(1.5)

WS-II;HQW,CA

189.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Aarons Creek

From source to Aarons Creek

22-59ut20

FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Deep Creek

From source to a point 0.5 mile upstream of mouth

23-24-(1)

WS-IV

11.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Jordan Creek

From source to Lake Gaston, Roanoke River

23-14

C

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Little Stonehouse Creek

From source to Lake Gaston, Roanoke River

23-19

C

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Newmans Creek (Little Deep Creek)

From source to Smith Creek

23-10-2

C

6.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Lake Gaston-Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

ROANOKE RIVER (Lake Gaston below normal full power pool elevation 200 MSL and Roanoke Rapids Lake below normal full power pool elevation 132 feet MSL)

From a line across Lake Gaston 0.5 mile upstream of Lake Gaston Dam to Roanoke Rapids Dam

23-(22.5)

WS-IV,B;CA

4,185.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Aquatic Weeds	3t

ROANOKE RIVER (Lake Gaston below normal full power pool elevation 200 MSL)

From North Carolina-Virginia State Line to a line across Lake Gaston following the Warren-Northampton County Line

23-(12)

WS-V,B

7,964.8 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

ROANOKE RIVER (Lake Gaston below normal full power pool elevation 200 MSL)

From a line across Lake Gaston following the Warren-Northampton County Line to a line across Lake Gaston 0.5 mile upstream of Lake Gaston Dam

23-(20.2)

WS-IV,B

3,974.4 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Sixpound Creek

From source to Lake Gaston, Roanoke River

23-13

C

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Lake Gaston-Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Smith Creek

From source to Cabin Branch

23-10a

C

6.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Smith Creek

From Cabin Branch to SR1208

23-10b

C

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Lake Gaston-Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Smith Creek

From SR1208 to North Carolina-Virginia State Line

23-10c

C

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1nc
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Terrapin Creek

From source to Blue Mud Creek

23-10-3-2

C

5.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Cashie River

From source to Wahtom Swamp

24-2-(1)a1

C;Sw

9.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1



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Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cashie River

From Wahtom Swamp to Bertie County SR 1225

24-2-(1)a2

C;Sw

5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Cashie River

From Bertie County SR 1225 to a point 1 mile upstream from Bertie Co. SR 1500

24-2-(1)b

C;Sw

30.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f



Final 2016 Integrated Report-All Assessed Waters

Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cashie River

From a point 1.0 mile upstream from Bertie County SR 1500 to the Thoroughfare (The Gut between Cashie and Roanoke Rivers)

24-2-(9)

B;Sw

2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Chockoyotte Creek

From source to Roanoke River

23-29

C

10.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Conaby Creek

From source to Roanoke River

23-56

C;Sw

12.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1



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Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (NA, AL, swamp)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Conoconnara Swamp

From source to Roanoke River

23-33

C

17.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Hardison Mill Creek	From source to Sweetwater Creek		
23-50-3	C	19.9	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Hoggard Mill Creek	From source to Cashie River		
24-2-6	C;Sw	7.4	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Kehukee Swamp (White Millpond)	From source to Roanoke River		
23-42	C	10.6	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Little Quankey Creek	From source to Quankey Creek		
23-30-1	C	9.5	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Quankey Creek	From source to Little Quankey Creek		
23-30a	C	16.0	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Quankey Creek	From Little Quankey Creek to Roanoke River		
23-30b	C	3.4	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

ROANOKE RIVER

From a point 0.6 mile upstream of N.C. Hwy. 48 bridge to a line across river 50 feet downstream of N.C. Hwy. 48 (City of Roanoke Rapids, Town of Weldon water supply intakes)

23-(25.5)

WS-IV;CA

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

ROANOKE RIVER

From a line across the river 50 ft downstream of NC Hwy 48 bridge to the confluence of Sandy Run Cr at the Bertie Northampton Halifax Co. line

23-(26)a

C

50.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

ROANOKE RIVER

From the confluence of Sandy Run Cr at the Bertie/Northampton/Halifax Co. line to subbasin 8/9 boundary

23-(26)b1

C

24.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

ROANOKE RIVER

From subbasin 8/9 boundary to Hwy 17 Bridge in Williamston

23-(26)b2

C

28.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

ROANOKE RIVER

From Hwy 17 bridge at Williamston to the 18 mile marker at Jamesville

23-(26)b3

C

17.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

ROANOKE RIVER

From 18 mile marker at Jamesville to Albemarle Sound (Batchelor Bay)

23-(53)

C;Sw

18.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Exceeding Criteria	Fish Consumption Advisor	Dioxin Fish Tissue Advisory (Advisory, FC, NC)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Roquist Creek

From source to Cashie River

24-2-7

C;Sw

26.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1



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Roanoke River Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Welch Creek

From source to Roanoke River

23-55

C;Sw

13.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Exceeding Criteria	Fish Consumption Advisor	Dioxin Fish Tissue Advisory (Advisory, FC, NC)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Kehukee Swamp

Source to Kehukee Swamp

23-42ut1

4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1



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Lower Roanoke Subbasin

Roanoke River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Seneca River Subbasin 03060101

Savannah River Basin

Bearwallow Creek

From source to a point 2.3 miles upstream of mouth

4-7-(1)

C;Tr:@

3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Bearwallow Creek

From a point 2.3 miles upstream of mouth to Toxaway River

4-7-(2)

C;Tr,HQW

2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Burlingame Creek

From source to Horsepasture River

4-13-10

C:+

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Hogback Creek

From source to Horsepasture River

4-13-9

C;Tr:+

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Seneca River Subbasin

Savannah River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Horsepasture River

From dam at Sapphire Lake to NC 281

4-13-(0.5)b

C;Tr:+

3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Water Temperature (20°C, AL, Tr)	3a
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Horsepasture River

From N.C. Hwy. 281 (Bohaynee Road) to North Carolina-South Carolina State Line

4-13-(12.5)

B;Tr:+

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Seneca River Subbasin

Savannah River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Horsepasture River

From a point approximately 0.60 mile downstream of N.C. Hwy. 281 (Bohaynee Road) to NC-SC state line

4-13-(12.75)

B;Tr,ORW

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Horsepasture River (Lupton Lake, Sapphire Lake)

From source to Lupton Lake, Sapphire Lake

4-13-(0.5)a1

C;Tr:+

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Indian Creek

From Dam at Indian Lake Estates Recreation Lake to Toxaway River

4-5-(3)

C;Tr

5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Little Hogback Creek

From source to Horsepasture River

4-13-8

C;Tr:+

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Logan Creek

From source to Horsepasture River

4-13-3

C;Tr:+

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Rock Creek

From source to Horsepasture River

4-13-11

C;Tr:+

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



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Seneca River Subbasin

Savannah River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Thompson River From source to North Carolina-South Carolina State Line

4-14-6 C;Tr 5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

TOXAWAY RIVER From Dam at Lake Toxaway Estates, Inc. to North Carolina-South Carolina State Line

4-(4) C 6.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Trays Island Creek (Fairfield Lake) From source to Fairfield Lake

4-13-5-(3)a B:+ 0.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Whitewater River From Little Whitewater Creek to North Carolina-South Carolina State Line

4-14-(1.5) C;Tr,HQW 5.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Tullulah River From source to North Carolina-Georgia State Line

3-11 C;Tr 3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Abes Creek From source to West Fork Overflow Creek

3-10-2-2-2 C;Tr,ORW 1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Big Creek

From source to North Carolina-Georgia State Line

3-10-3

C;Tr,ORW

4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1



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Tugaloo Subbasin

Savannah River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

CHATTOOGA RIVER

From Ut below Cashiers Lake at the base of Timber Ridge to North Carolina-Georgia State Line

3b

B;Tr,ORW

10.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

Tugaloo Subbasin

Savannah River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Clear Creek

From source to North Carolina-Georgia State Line

3-10-2-3

B;Tr

4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

East Fork Overflow Creek

From source to Overflow Creek

3-10-2-1

C;Tr,ORW

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Fowler Creek

From Upper Dam at Hampton Lake to Chattooga River

3-1-(2)

C;Tr:+

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Norton Mill Creek

From dam at Camelot Lake to Chattooga River

3-3b

C;Tr:+

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Scotsman Creek

From source to Chattooga River

3-7

C;Tr,ORW

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

West Fork Overflow Creek

From source to Overflow Creek

3-10-2-2

C;Tr,ORW

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Albemarle Sound Subbasin 03010205

Tar-Pamlico River Basin



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Albemarle Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Parched Corn Bay

Entire Bay

29-75

SA;HQP

907.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Sandy Bay

Entire Bay

29-76

SA;HQP

280.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Back Swamp

From source to Big Peachtree Creek

28-68-1-4

C;NSW

6.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Dissolved Oxygen (4 mg/l, AL, FW)	3a
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1



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Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Bear Swamp Creek

From source to Tar River

28-23

WS-IV;NSW

5.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



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Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Beech Branch

From Falling Run to Tar River

28-75-(4)

WS-IV;NSW

1.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Buffalo Creek

From source to Sandy Creek

28-78-1-10

C;NSW:+

4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cedar Creek

From source to a point 0.8 mile downstream of Franklin County SR 1127

28-29-(1)

WS-II;HQW,NSW

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cedar Creek

From dam at New Franklinton Lake to Franlinton Branch

28-29-(2)a

C;NSW

6.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Cedar Creek

From Franklinton Branch to Tar River

28-29-(2)b

C;NSW

12.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Compass Creek

From source to Tar River

28-72

C;NSW

9.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Coon Creek

From source to Fishing Creek

28-11-5

C;NSW

10.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Crooked Creek

From source to NC 98

28-30a

C;NSW

15.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Crooked Creek

From NC 98 to Tar River

28-30b

C;NSW

5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Fishing Creek

From source to SR 1649

28-11a

C;NSW

2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Fishing Creek

From SR 1649 to #1 outfall

28-11b

C;NSW

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a

Fishing Creek

From #1 outfall to SR 1608

28-11c

C;NSW

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Fishing Creek

From SR 1608 to Coon Creek

28-11d

C;NSW

1.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Fishing Creek

From Coon Creek to Tar River

28-11e

C;NSW

6.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3a
Data Inconclusive	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	3a
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Flatrock Creek

From source to Sandy Creek

28-78-1-12

B;NSW:+

9.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Foundry Branch

From source to Fishing Creek

28-11-2

C;NSW

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Gibbs Creek

From source to Tar River

28-13

C;NSW

5.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Hachers Run (Devin Lake)

From source to dam at Devin Lake

28-11-3-(1)

WS-II;HQW,NSW,CA

98.9 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1

Lynch Creek

From Vance County SR 1547 to Tar River

28-21-(0.7)

WS-IV;NSW

9.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Maple Creek

From source to Tar River

28-66

WS-IV;NSW

6.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Martin Creek

From source to Sandy Creek

28-78-1-3

C;NSW:+

4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Middle Creek

From source to Tar River

28-15

C;NSW

8.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

North Fork Tar River

From source to 0.2 miles south of US 158

28-5a

WS-IV;NSW

5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North Fork Tar River

From 0.2 miles south of US 158 to the Tar River

28-5b

WS-IV;NSW

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pigbasket Creek

From Nash County SR 1425 to Stony Creek

28-68-3-(2)

C;NSW

11.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Red Bud Creek

From source to Sandy Creek

28-78-1-17

C;NSW:+

10.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Sand Creek

From source to Tar River

28-12

C;NSW

3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Sandy Creek

From N.C. Hwy. 561 to Nash County 1004

28-78-1-(14)

C;NSW:+

16.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Sandy Creek

From Nash County 1004 to Swift Creek

28-78-1-(19)

C;ORW,NSW

4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Sandy Creek

From NC 401to Flat rock Creek

28-78-1-(8)b1

B;NSW:+

5.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Sandy Creek

From Flat rock Creek to NC 561

28-78-1-(8)b2

B;NSW:+

6.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Sapony Creek

From source to mouth of Gabe Branch

28-55-(1)

C;NSW

7.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Shelley Branch

From source to Sandy Creek

28-78-1-16

C;NSW:+

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Shelton Creek

From source to Tar River

28-4

WS-IV;NSW

13.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Stony Creek (Boddies Millpond)

From source to Pigbasket Creek

28-68a1

C;NSW

16.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Stony Creek (Boddies Millpond)

From Pigbasket Creek to Lassiters Creek

28-68a2

C;NSW

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Stony Creek (Boddies Millpond)

From Lassiters Creek to Tar River

28-68b

C;NSW

5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a



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Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Swift Creek

From source to Nash County SR 1003

28-78-(0.5)

C;ORW,NSW

9.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Swift Creek

From Nash County SR 1003 to a point 1.4 miles upstream of Edgecombe County SR 1409

28-78-(2.5)

C;NSW

28.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Swift Creek

From a point 1.4 miles upstream of Edgecombe County SR 1409 to Tar River

28-78-(6.5)

WS-IV;NSW

10.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Tabbs Creek

From Poplar Creek to Vance County SR 1100

28-17-(0.5)b

C;NSW

12.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Tabbs Creek

From Vance County SR 1100 to Tar River

28-17-(4)

WS-IV;NSW

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

TAR RIVER

From source to a point 0.6 mile upstream of Oxford Water Supply

28-(1)

WS-IV;NSW

20.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (6 su, AL, FW)	5
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

TAR RIVER

From a point 0.6 mile upstream of Taylors Creek to a point 0.3 mile downstream of Coole Creek

28-(15.5)

WS-IV;NSW

14.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



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Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

TAR RIVER

From Louisburg Water Supply Intake to Cypress Creek

28-(24.7)a

WS-V;NSW

20.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

TAR RIVER

From Cypress Creek to a point 3.2 miles downstream of N.C. Hwy. 581

28-(24.7)b

WS-V;NSW

12.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



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Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

TAR RIVER

From Oxford Water Supply Intake to a point 0.6 mile upstream of Taylors Creek

28-(5.7)

WS-V;NSW

20.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



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Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

TAR RIVER

From dam at City of Rocky Mount Reservoir to Maple Creek

28-(64.5)

WS-IV;NSW

6.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

TAR RIVER

From a point 100 feet downstream from Old Rocky Mount Water Intake, downstream from U.S. Hwy. 64 to dam at Rocky Mount Mills

28-(67)

B;NSW

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

TAR RIVER

From dam at Rocky Mount Mills to a point 0.9 mile downstream of Buck Swamp

28-(69)

C;NSW

11.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

TAR RIVER

From a point 0.9 mile downstream of Buck Swamp to Subbasin 030302/030303 boundary

28-(74)a

WS-IV;NSW

5.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

TAR RIVER

From subbasin 030302/030303 boundary to a point 0.5 mile upstream of Tarboro Water Supply Intake

28-(74)b

WS-IV;NSW

21.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

TAR RIVER (including lower portion of the City of Rocky Mount Reservoir below highwater elevation 130 feet MSL)

From Nash County SR 1933 to a point 4,000 feet upstream from dam at City of Rocky Mount Reservoir

28-(36)a

WS-IV,B;NSW,CA

618.8 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1



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Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

TAR RIVER (including lower portion of the City of Rocky Mount Reservoir below highwater elevation 130 feet MSL)

From Peppermint Branch to City of Rocky Mount Reservoir (Sapony Creek)

28-(36)b

WS-IV,B;NSW,CA

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



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Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

TAR RIVER (including upper portion of the City of Rocky Mount Reservoir below elevation 130 feet MSL)

From Long Branch to Nash County SR 1933

28-(35.5)

WS-IV;NSW,CA

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Weaver Creek

From source to Southerlands Pond

28-78-1-7

C;NSW:+

6.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Tar River Headwaters Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Whiteoak Swamp From a point 1.8 miles upstream of Edgecombe County SR 1428 to Swift Cr.
28-78-7-(2) WS-IV;NSW 2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Bear Swamp From source to Little Fishing Creek
28-79-25-7 C;NSW 13.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Beech Swamp From source to Fishing Creek
28-79-30 C;Sw,NSW 13.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Breeches Swamp From source to Jacket Swamp
28-79-30-2-1-2 C;Sw,NSW 5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Burnt Coat Swamp From source to Beech Swamp
28-79-30-2 C;Sw,NSW 13.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Crooked Swamp From source to Fishing Creek
28-79-24 C;NSW 5.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Fishing Creek Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Deep Creek

From source to UT to Deep Creek a point 1.3 miles upstream of N.C. Hwy. 97

28-79-32-(0.5)a

C;NSW

8.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Deep Creek

From source to UT to Deep Creek

28-79-32-(0.5)b

C;NSW

11.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a

Deep Creek

From a point 1.3 miles upstream of N.C. Hwy. 97 to Fishing Creek

28-79-32-(1.5)

WS-IV;NSW

11.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Fishing Creek

From Wolfpit Branch Shocco Creek

28-79-(1)b

C;NSW

12.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Fishing Creek Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Fishing Creek

From Shocco Creek to Little Fishing Creek

28-79-(21)

WS-V;NSW

16.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Fishing Creek

From Little Fishing Creek to a point 0.6 mile upstream of Enfield Raw Water Supply Intake

28-79-(25.5)

WS-IV;NSW

14.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Fishing Creek

From Enfield Raw Water Supply Intake to a point 1.7 miles downstream of Beech Swamp

28-79-(29)

C;NSW

24.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Fishing Creek Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Fishing Creek From a point 1.7 miles downstream of Beech Swamp to Tar River
28-79-(30.5) WS-IV;NSW 17.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Jacket Swamp From source to Burnt Coat Swamp
28-79-30-2-1 C;Sw,NSW 8.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Little Fishing Creek From source to Reedy Creek
28-79-25a C;NSW 9.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Fishing Creek

From Reedy Creek to Fishing Creek

28-79-25b

C;NSW

21.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1



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Fishing Creek Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Marsh Swamp

From source to Beech Swamp

28-79-30-1

C;Sw,NSW

24.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Mill Swamp

From source to Marsh Swamp

28-79-30-1-0.5

C;Sw,NSW

10.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Reedy Creek

From source to Little Fishing Creek

28-79-25-5

C;NSW

20.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Fishing Creek Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rocky Swamp (Bellamy Lake) From a point 1.0 mile downstream of N.C. Hwy. 561 to Fishing Creek
28-79-28-(0.7) WS-IV;NSW 10.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Savage Mill Run From source to Deep Creek
28-79-32-4 WS-IV;NSW 4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Shocco Creek From source to Little Schocco Creek
28-79-22a C;NSW 17.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Shocco Creek From Little Schocco Creek to Fishing Creek
28-79-22b C;NSW 11.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Beech Swamp

From source to Beech Swamp

28-79-30ut1

2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Zinc (50 µg/l, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Mercury (0.012 µg/l, FC, FW)	3a
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Dissolved Oxygen (NA, AL, swamp)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



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Fishing Creek Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Deep Creek

From source to Deep Creek

28-79-32-(0.5)ut18

8.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a

UT to Fishing Creek

From source to Fishing Creek

28-79-(21)ut2

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Ballahack Canal

From source to Conetoe Creek

28-87-1.2

C;NSW

8.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Exceeding Criteria	Severe	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a



Final 2016 Integrated Report-All Assessed Waters

Tar River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Briery Swamp (Shepherd Millpond)

From source to Tranters Creek

28-103-8

C;Sw,NSW

10.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Tar River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Bynum's Mill Creek

From source to Town Creek

28-83-4

C;NSW

9.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Cannon Swamp

From source to Moyes Run

28-99-1-1

C;NSW

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Tar River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Chicod Creek

From source to Tar River

28-101

C;NSW

14.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Cokey Swamp

From source to Dickson Branch

28-83-3a

C;NSW

8.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Conetoe Creek

From source to SR 1516

28-87-(0.5)a

C;NSW

3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1



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Tar River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Conetoe Creek

From SR 1516 to 1350 meters North of NC 42

28-87-(0.5)b

C;NSW

5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Conetoe Creek

From 1350 meters North of NC 42 to Crisp Creek

28-87-(0.5)c

C;NSW

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Conetoe Creek

From Crisp Creek to Pitt County SR 1404

28-87-(0.5)d

C;NSW

6.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a



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Tar River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cow Swamp

From source to Chicod Creek

28-101-5

C;NSW

7.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Crisp Creek

From source to Conetoe Creek

28-87-1

C;NSW

8.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Fishing Creek

From source to Horse Creek

28-79-(1)a1

C;NSW

13.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	pH (6 su, AL, FW)	3a
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Tar River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Flat Swamp

From source to 1.5 miles downstream of Robersonville WWTP discharge

28-103-2a

C;Sw,NSW

8.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Flat Swamp

From 1.5 miles downstream of Robersonville WWTP discharge to Tranters Creek

28-103-2b

C;Sw,NSW

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Greens Mill Run

From source to Tar River

28-96

C;NSW

7.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Severe	Benthos (Nar, AL, FW)	5

Tar River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Grindle Creek

From source to Whichard Branch

28-100a

C;NSW

13.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (6 su, AL, FW)	5
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Grindle Creek

From Whichard Branch to Tar River

28-100b

C;NSW

14.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (6 su, AL, FW)	5
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Hardee Creek

From source to Tar River

28-97

C;NSW

5.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Tar River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Haw Branch

From source to Tranters Creek

28-103-9

C;Sw,NSW

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1



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Tar River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (NA, AL, swamp)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Hendricks Creek

From source to Tar River

28-81

C;NSW

3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Severe	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Tar River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Holly Creek

From source to Hendricks Creek

28-81-1

C;NSW

3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Horsepen Swamp

From source to Tranters Creek

28-103-10

C;Sw,NSW

6.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Latham Creek

From source to Aggie Run

28-103-14-2

C;Sw,NSW

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Meeting House Branch

From source to Hardee Creek

28-97-1

C;NSW

3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1

Old Ford Swamp

From source to Aggie Run

28-103-14-1

C;Sw,NSW

5.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Otter Creek

From source to a point 0.7 mile upstream of Kitten Creek

28-86-(0.3)

C;NSW

13.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Tar River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Parker Creek

From source to Tar River

28-95

C;NSW

7.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

TAR RIVER

From Tarboro Raw Water Supply Intake to Suggs Creek

28-(80)

C;NSW

14.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Tar River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

TAR RIVER

From Suggs Creek to Subbasin 030303/030305 boundary

28-(84)a

WS-IV;NSW

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Tar River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

TAR RIVER

From 030303/030305 boundary to Johnsons Mill Creek

28-(84)b

WS-IV;NSW

7.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

TAR RIVER

From Greenville Raw Water Supply Intake to a point 1.2 miles downstream of the mouth of Broad Run

28-(94)

C;NSW

13.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Tar River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

TAR RIVER

From a point 1.2 miles downstream of the mouth of Broad Run to the upstream side of the mouth of Tranter's Creek

28-(99.5)

B;NSW

10.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

TAR RIVER (River Segment)

From the upstream side of the mouth of Tranter's Creek to mouth at U.S. Hwy. 17 bridge at Washington

28-(102.5)

C;NSW

338.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t



Final 2016 Integrated Report-All Assessed Waters

Tar River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Town Creek From source to White Swamp Tar River

28-83a C;NSW 9.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Town Creek From White Swamp to Tar River

28-83b C;NSW 27.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	pH (6 su, AL, FW)	3a
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Tranters Creek From source to Collie Swamp subbasin 030305/030306 boundary

28-103a1 C;Sw,NSW 6.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1



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Tar River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Transters Creek

From Collie Swamp to Cherry Run

28-103a2

C;Sw,NSW

31.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (4.3 su, AL, Sw)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Tyson Creek (King Creek) (Harris Mill Pond)

From source to Tar River

28-88

WS-IV;NSW

8.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Tar River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Town Creek

From source to Town Creek

28-83ut8

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Severe	Benthos (Nar, AL, FW)	5

Whichard Branch

From source to Grindle Creek

28-100-2

C;NSW

6.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Abel Bay

Entire Bay

29-36

SA;HQW,NSW

232.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Acre Swamp

From source to Pungo Swamp

29-34-35-1-1

C;Sw,NSW

7.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Severe	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Alligator Creek

From source to Eastham Creek

29-33-3-1

SA;HQW,NSW

1.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Alligator Gut

From source to Bond Creek

29-28-15-3

SA;HQW,NSW

3.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Alligator Gut

From source to Jordan Creek

29-34-41-1

SA;HQW,NSW

14.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Allison Creek

From source to Slade Creek (1.2422000169754 S Miles)

29-34-40-10

SA;HQW,NSW

7.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Bailey Creek

From source to East Fork North Creek

29-29-5-2

SA;HQW,NSW

78.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bath Creek

From a line across Bath Creek from Long Point to Pamlico River

29-19-(5.5)

SB;NSW

861.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Beaverdam Swamp

From source to Broad Creek

29-10-2

C;NSW

4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Becky Creek (Becky Branch)

From source to Slade Creek

29-34-40-4

SA;HQW,NSW

19.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bell Bay

Entire Bay

29-36-1

SA;HQW,NSW

76.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Bell Creek

From source to Bell Bay (1.19729995727539 S Miles)

29-36-1-1

SA;HQW,NSW

7.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Berry Creek

From source to Bell Bay

29-36-1-2

SA;HQW,NSW

25.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Betty Creek

From source to Lower Spring Creek

29-33-11-6

SA;HQW,NSW

33.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Big Marsh Gut

From source to Dixon Creek

29-33-10-1

SA;HQW,NSW

2.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Big Pond Gut

From source to Snode Creek

29-33-6-3

SA;HQW,NSW

0.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Bill Daniels Gut

From source to Oyster Creek

29-35-1

SA;HQW,NSW

1.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bill Gut

From source to Oyster Creek

29-35-2

SA;HQW,NSW

6.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Blounts Bay (inside a line from Hill Point to Mauls Point) (Pamlico Blounts Bay Segment) From source to Pamlico River

29-9

SB;NSW

2,101.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	pH (6.8 su, AL, SW)	3a
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Blounts Creek

From source to Herring Run

29-9-1-(1)

C;Sw,NSW

5.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Boar Creek From source to Pamlico River (0.646700024604797 S Miles)

29-37 SA;HQW,NSW 3.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Boat Creek From source to Clark Creek

29-35-6-4-2 SA;HQW,NSW 9.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Bond Creek From Beaufort County SR 1912 to South Creek

29-28-15-(2) SA;HQW,NSW 373.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Box Creek From source to Bell Bay

29-36-1-3 SA;HQW,NSW 48.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Bradley Creek From source to South Prong Wrights

29-34-49-2-1 SA;HQW,NSW 9.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Broad Creek From source to a point 1.0 mile above Beaufort County SR 1325

29-10-(1) C;NSW 5.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Broad Creek

From a point 1.0 mile above Beaufort County SR 1325 to Pamlico River

29-10-(3)

SB;NSW

368.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a

Campbell Creek

From N.C. Hwy. 33 to Goose Creek

29-33-2-(2)

SA;HQW,NSW

487.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Canal D From source to Pungo River Canal

29-34-2-5 C;Sw,NSW 4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Carrie Creek From source to Campbell Creek

29-33-2-13 SA;HQW,NSW 2.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cedar Island Thorofare From source to Oyster Creek

29-35-5 SA;HQW,NSW 3.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Chocowinity Bay From source to a line across the Bay from the upstream mouth of Cedar Creek to the upstream mouth of Silas Creek

29-6-(1) SC;NSW 389.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosporus	4t



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Chocowinity Bay

From a line across the Bay from the upstream mouth of Cedar Creek to the upstream mouth of Silas Creek to Pamlico River

29-6-(5)

SB;NSW

503.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	pH (8.5, AL, SW)	3a
Exceeding Criteria	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	5e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Church Creek

From source to Slade Creek

29-34-40-9

SA;HQW,NSW

15.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Clark Creek From source to Middle Prong Oyster Creek

29-35-6-4 SA;HQW,NSW 127.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Convoy Gut From source to Dixon Creek

29-33-10-2 SA;HQW,NSW 10.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cow Creek From source to James Creek

29-35-6-3-3 SA;HQW,NSW 5.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cow Gallus Creek From source to Upper Spring Creek

29-33-1-3 SA;HQW,NSW 3.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cox Creek From source to Fortescue Creek

29-34-46-5 SA;HQW,NSW 3.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Crooked Creek From source to Pungo River

29-34-50 SA;HQW,NSW 31.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cuff Tarkiln Creek

From source to Campbell Creek

29-33-2-16

SA;HQW,NSW

12.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cypress Branch

From source to Strawhorn Creek

29-31-1

SA;HQW,NSW

16.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Davis Creek

From source to Pamlico River

29-30

SA;HQW,NSW

13.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

ditch to Pungo Canal

unknown

29-34-2ut_ditch

1.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (4.3 su, AL, Sw)	5
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Dixon Creek

From source to Goose Creek

29-33-10

SA;HQW,NSW

44.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Dixon Creek

From source to Fortescue Creek

29-34-46-9

SA;HQW,NSW

26.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Drinkwater Creek

From a point 0.5 mile above mouth to Jacobs Creek

29-28-10-3-(2)

SA;HQW,NSW

10.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Duck Creek

From source to Oyster Creek

29-35-4

SA;HQW,NSW

13.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Durham Creek

From source to a point 2.0 miles upstream from Tan Swamp

29-21-(1)

C;NSW

9.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Durham Creek

From a point 2.0 miles upstream from Tan Swamp to Pamlico River

29-21-(2)

SC;NSW

802.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f

East Fork North Creek

DEH prohibited area at source

29-29-5a

SA;HQW,NSW

32.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

East Fork North Creek DEH approved area near North Creek

29-29-5b SA;HQW,NSW 93.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

East Prong Cypress Branch From source to Cypress Branch

29-31-1-1 SA;HQW,NSW 4.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Eastham Creek From source to line 966 meters west of mouth of Eastham Creek

29-33-3a SA;HQW,NSW 62.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Eastham Creek From line 966 meters west of mouth of Eastham Creek to Goose Creek

29-33-3b SA;HQW,NSW 192.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Facing Gut From source to Snode Creek

29-33-6-6 SA;HQW,NSW 2.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Flannigan Gut From source to Bond Creek

29-28-15-4 SA;HQW,NSW 4.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Foreman Creek

From source to Allison Creek

29-34-40-10-1

SA;HQW,NSW

13.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Fortescue Creek

From source to Pungo River

29-34-46

SA;HQW,NSW

315.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Frying Pan Creek

From source to North Creek

29-29-6

SA;HQW,NSW

62.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Garrett Gut

From source to North Creek

29-29-4

SA;HQW,NSW

8.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Goose Creek

From source to Pamlico River

29-33

SA;HQW,NSW

1,280.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Gray Gut

From source to Lower Spring Creek

29-33-11-4

SA;HQW,NSW

4.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Great Gut From source to Pungo River

29-34-43 SA;HQW,NSW 16.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Great Gut From source to Great Gut Bay (0.179299995303154 S Miles)

29-34-52-1 SA;HQW,NSW 1.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Great Gut Bay Entire Bay

29-34-52 SA;HQW,NSW 49.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Hatter Creek From source to Goose Creek

29-33-12 SA;HQW,NSW 12.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Hobb Creek From source to Pungo River

29-34-51 SA;HQW,NSW 5.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Horse Island Creek From source to James Creek

29-35-6-3-2 SA;HQW,NSW 5.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hunting Creek From source to Upper Spring Creek (1.23199999332428 S Miles)

29-33-1-2 SA;HQW,NSW 7.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Intracoastal Waterway From N.C. Hwy. 304 to Upper Spring Creek

29-33-1-1 SA;HQW,NSW 45.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Island Creek From source to Pungo River

29-34-45 SA;HQW,NSW 29.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Israel Gut From source to James Creek

29-35-6-3-1 SA;HQW,NSW 14.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Jacks Creek From a point 0.2 mile downstream from Beaufort County SR 1942 to South Creek

29-28-8-(2) SA;HQW,NSW 8.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Jacobs Creek From a point 0.5 mile above mouth to South Creek

29-28-10-(2) SA;HQW,NSW 13.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

James Creek

From source to Middle Prong Oyster Creek

29-35-6-3

SA;HQW,NSW

144.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Jarvis Creek

From source to Slade Creek

29-34-40-2

SA;HQW,NSW

8.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Jones Creek

From source to Slade Creek

29-34-40-1

SA;HQW,NSW

15.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Jordan Creek

From source to a line crossing the river 90 meters west of Snederker Gut

29-34-41a

SA;HQW,NSW

90.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Jordan Creek

From a line crossing the river 90 meters west of Snederker Gut to Pungo River

29-34-41b

SA;HQW,NSW

43.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Kennedy Creek

From source to Tar River

28-104

C;NSW

32.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lake Canal From source to Pungo Lake Canal

29-34-3-2 C;Sw,NSW 5.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (4.3 su, AL, Sw)	5
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Lee Creek From source to Campbell Creek

29-33-2-12 SA;HQW,NSW 14.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Linier Bay Entire Bay

29-34-47 SA;HQW,NSW 55.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Little Clark Creek From source to Clark Creek

29-35-6-4-1 SA;HQW,NSW 18.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Little Creek From a point three-fourths mile above mouth to South Creek

29-28-9-(2) SA;HQW,NSW 21.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Ease Creek

From source to North Creek

29-29-7

SA;HQW,NSW

31.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Little Goose Creek

From a point 0.5 mile below Beaufort County SR 1334 to Pamlico River

29-11-(2)

SC;NSW

141.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Little Gut

From source to Pungo River

29-34-44

SA;HQW,NSW

8.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Log Creek

From source to Fortescue Creek

29-34-46-1

SA;HQW,NSW

16.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Long Creek

From a point 1.5 miles above mouth to South Creek

29-28-13-(2)

SA;HQW,NSW

30.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Long Creek

From source to Eastham Creek

29-33-3-2

SA;HQW,NSW

1.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Long Creek

From source to Pamlico River

29-40

SA;HQW,NSW

21.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Lower Spring Creek

From source to Goose Creek

29-33-11

SA;HQW,NSW

151.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Mallard Creek

From source to Eastham Creek

29-33-3-4

SA;HQW,NSW

8.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Marie Creek

From source to Abel Bay

29-36-2

SA;HQW,NSW

5.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Marsh Rock Creek

From source to Pamlico River

29-39

SA;HQW,NSW

2.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Middle Prong Oyster Creek

From source to Oyster Creek

29-35-6

SA;HQW,NSW

439.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mill Creek From source to Lower Spring Creek

29-33-11-5 SA;HQW,NSW 5.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Mud Gut From source to Goose Creek

29-33-4 SA;HQW,NSW 4.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Muddy Creek From Beaufort County SR 1912 to Bond Creek

29-28-15-5-(2) SA;HQW,NSW 97.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Myrtle March Gut From source to Campbell Creek

29-33-2-17 SA;HQW,NSW 0.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Neal Creek From source to Slade Creek

29-34-40-5 SA;HQW,NSW 68.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Neezar Gut From source to Snode Creek

29-33-6-1 SA;HQW,NSW 0.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Nevil Creek	From a point 0.5 mile below Beaufort County SR 1100 to Pamlico River (3.4993999004364 S Miles)		
29-12-(2)	SC;NSW	21.2	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
North Creek	From Beaufort County SR 1722 at Ransomville to mouth of Frying Pan Creek		
29-29-(2)a	SA;HQW,NSW	162.0	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
North Creek	From mouth of Frying Pan Creek to Pamlico River		
29-29-(2)b	SA;HQW,NSW	190.2	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
North Prong Wrights Creek	From source to Wrights Creek		
29-34-49-1	SA;HQW,NSW	37.6	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Northeast Prong	From source to Snode Creek		
29-33-6-5	SA;HQW,NSW	2.0	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Old Field Creek	From source to Fortescue Creek		
29-34-46-2	SA;HQW,NSW	2.4	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Old House Cove From source to Lower Spring Creek

29-33-11-8 SA;HQW,NSW 3.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Otter Creek From source to Eastham Creek

29-33-3-5 SA;HQW,NSW 1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Overton Creek From source to Lower Spring Creek

29-33-11-7 SA;HQW,NSW 14.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Oyster Creek From source to a line 274 meters east of Duck Creek

29-35a SA;HQW,NSW 117.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Oyster Creek From a line 274 meters east of Duck Creek to Pamlico River

29-35b SA;HQW,NSW 422.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

PAMLICO RIVER

From a line across Pamlico River from Cousin Point to Hickory Point to a line across Pamlico River from Roos Point to Persimmon Tree Point

29-(27)

SA;HQW,NSW

33,766.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Exceeding Criteria	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	5e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

PAMLICO RIVER (Pamlico Bath Segment)

From east mouth of Blounts Bay to west mouth of Durham Creek

29-(5)b2

SB;NSW

8,501.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Total Phosphorus	4t
Data Inconclusive	> 10% and < 90% conf	Total Nitrogen	4t
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

PAMLICO RIVER (Pamlico Blounts Bay Segment)

From a line 0.65 miles downstream of Chocowinity Bay to a line at the east mouth of Blounts Bay

29-(5)b1

SB;NSW

4,156.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

PAMLICO RIVER (Pamlico South River Segment)

From a line from Huddy Creek (south shore) to Saint Claire Creek (north shore) to a line across at Cousin Point to Hickory Point

29-(5)b4

SB;NSW

5,511.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

PAMLICO RIVER (Upper Pamlico Segment)

From U.S. Hwy. 17 bridge to line 0.75 miles downstream of Runyon Creek and 0.5 miles downstream of Rodman Creek

29-(1)

SC;NSW

739.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	pH (6.8 su, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



Final 2016 Integrated Report-All Assessed Waters

Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

PAMLICO RIVER (Upper Pamlico Segment)

From a line 0.75 miles downstream of Runyon Creek and 0.5 miles downstream of Rodman Creek to a line 0.65 miles downstream of Chocowinity Bay

29-(5)a

SB;NSW

1,765.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	pH (6.8 su, AL, SW)	3a
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



Final 2016 Integrated Report-All Assessed Waters

Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

PAMLICO RIVER (Upper Pamlico Segment)

Area adjacent to recmon site C121

29-(5)a1

SB;NSW

1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

PAMLICO RIVER(Pamlico Middle Segment)

From west mouth of Durham Creek to a line from Huddy Creek (south shore) to Saint Claire Creek (north shore)

29-(5)b3

SB;NSW

9,484.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pantego Creek

From U.S. Hwy. 264 at Pantego to Pungo River

29-34-34-(2)

SC;NSW

952.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	pH (6.8 su, AL, SW)	3a
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Pasture Creek

From source to Fortescue Creek

29-34-46-8

SA;HQW,NSW

15.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pasture Gut From source to Campbell Creek
29-33-2-18 SA;HQW,NSW 7.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Paton Creek From source to Goose Creek
29-33-9 SA;HQW,NSW 13.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Persimmon Tree Landing Gut From source to Lower Spring Creek
29-33-11-2 SA;HQW,NSW 3.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Peterson Creek From source to Goose Creek
29-33-8 SA;HQW,NSW 16.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Pitch Hole Gut From source to Lower Spring Creek
29-33-11-1 SA;HQW,NSW 4.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pungo Creek

From source to Pungo River

29-34-35

SC;NSW

1,701.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Exceeding Criteria	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	5e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Pungo Lake

Entire Lake

29-34-3-1

C;Sw,NSW

2,785.6 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pungo River

From U.S. Hwy. 264 at Leechville to a line across Pungo River from Woodstock Point to Quilley Point excluding DEH Swimming area near mouth of Pantego Creek

29-34-(12)a SB;NSW 15,409.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Pungo River

Area extending 200 feet east and west along the north shore of the Pungo River and extending out 200 feet into the river. The area starts 126 meters east of the mouth Pantego Creek.

29-34-(12)b SB;NSW 2.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Posting>=61	Recreation Advisory Postings (Pathogen Indicator	4cs
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Pungo River

From a line across Pungo River from Woodstock Point to Quilley Point to Pamlico River

29-34-(38) SA;HQW,NSW 10,367.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pungo River

From Shallop Creek to U.S. Hwy. 264 at Leechville

29-34-(5)

SC;NSW

253.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pungo River Canal

From source to Pungo River

29-34-2

C;Sw,NSW

9.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1



Final 2016 Integrated Report-All Assessed Waters

Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Raffing Creek

From source to Slade Creek

29-34-40-3

SA;HQW,NSW

5.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Reed Hammock Ditch

From source to Pamlico River

29-32

SA;HQW,NSW

21.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

River Ditch

From source to Oyster Creek

29-35-3

SA;HQW,NSW

8.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Robin Gut

From source to Muddy Creek

29-28-15-5-3

SA;HQW,NSW

0.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Rodman Creek

From a point one-half mile above mouth to Pamlico River

29-4-(2)

SC;NSW

19.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4i
Exceeding Criteria	> 10% and >90 conf	Total Nitrogen	4t
Exceeding Criteria	> 10% and >90 conf	Total Phosphorus	4t

Ross Creek

From source to East Fork North Creek

29-29-5-1

SA;HQW,NSW

77.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Salt Pit Creek

From source to Fortescue Creek

29-34-46-7

SA;HQW,NSW

2.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Sand Beach Creek

From source to Goose Creek

29-33-5

SA;HQW,NSW

2.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Satterthwaite Creek

From source to line crossing 520 meters northwest of Pungo River

29-34-48a

SA;HQW,NSW

85.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Satterthwaite Creek

From a line crossing 520 meters northwest of Pungo River to the Pungo River

29-34-48b

SA;HQW,NSW

38.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Schoolhouse Gut

From source to Snode Creek

29-33-6-4

SA;HQW,NSW

1.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Schooner Creek (feature no longer exist)

From source to South Creek (0.559800028800964 S Miles)

29-28-14

SA;HQW,NSW

3.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Seer Creek

From source to Fortescue Creek

29-34-46-3

SA;HQW,NSW

5.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Sheepskin Creek

From source to Muddy Creek

29-28-15-5-5

SA;HQW,NSW

1.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Short Creek

From source to South Creek

29-28-11

SA;HQW,NSW

6.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Slade Creek

From source to a line 169 meters north of mouth of Chruch Creek

29-34-40a

SA;HQW,NSW

591.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Slade Creek

From a line 169 meters north of mouth of Chruch Creek to Pungo River

29-34-40b

SA;HQW,NSW

137.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Slade Landing Creek

From source to Eastham Creek

29-33-3-3

SA;HQW,NSW

12.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Smith Creek

From source to Campbell Creek

29-33-2-14

SA;HQW,NSW

20.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Snedeker Gut

From source to Jordan Creek

29-34-41-2

SA;HQW,NSW

3.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Snell Creek

From source to Fortescue Creek

29-34-46-4

SA;HQW,NSW

21.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Snode Creek

From source to Goose Creek

29-33-6

SA;HQW,NSW

118.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

South Creek

From a point three-fourths mile downstream from Beaufort County SR 1924 to Deephole Point (7.55039978027344 S Miles)

29-28-(4)

SC;NSW

45.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

South Creek

From Deephole Point to Pamlico River

29-28-(6.5)

SA;HQW,NSW

3,073.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

South Prong Wrights Creek

From source to Wrights Creek

29-34-49-2

SA;HQW,NSW

45.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Speer Creek

From source to Slade Creek

29-34-40-8

SA;HQW,NSW

10.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Speer Gut

From source to Church Street

29-34-40-9-1

SA;HQW,NSW

2.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Spellman Creek

From source to Slade Creek

29-34-40-7

SA;HQW,NSW

15.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Spring Creek

From source to Jordan Creek

29-34-41-3

SA;HQW,NSW

14.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Strawhorn Creek

From source to Pamlico River

29-31

SA;HQW,NSW

13.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Tar Landing Gut

From source to Lower Spring Creek

29-33-11-3

SA;HQW,NSW

2.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Tarkiln Creek

From source to Tarkiln Creek Bay

29-34-42-1

SA;HQW,NSW

5.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Tarkiln Creek Bay

Entire Bay

29-34-42

SA;HQW,NSW

73.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Tooley Creek

From a point 0.5 mile below Beaufort County SR 1945 to South Creek

29-28-12-(2)

SA;HQW,NSW

15.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Upper Spring Creek

From source to Goose Creek

29-33-1

SA;HQW,NSW

427.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

UT Canal

From Huntinghouse Canal to Pungo River

29-34-(5)ut6

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (4.3 su, AL, Sw)	5
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a



Final 2016 Integrated Report-All Assessed Waters

Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT Canal

From Huntinghouse Canal to Clark Mill Creek

29-34-11-(1)ut7

5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (4.3 su, AL, Sw)	5
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

UT Canal

From Source to Pungo Lake Canal

29-34-3ut10

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (4.3 su, AL, Sw)	5
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Herring Run and ConnectCanals

From source to Herring Run

29-3-3ut8

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Wallace Caraway Gut

From source to Middle Prong Oyster Creek

29-35-6-1

SA;HQW,NSW

13.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Warner Creek

From source to Fortescue Creek

29-34-46-6

SA;HQW,NSW

62.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Whitehurst Creek

From N.C. Hwy. 306 to South Creek

29-28-7-(2)

SA;HQW,NSW

15.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Wilkerson Creek

From source to Goose Creek

29-33-7

SA;HQW,NSW

3.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Willow Creek

From source to Pamlico River

29-38

SA;HQW,NSW

19.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Wilson Gut

From source to Muddy Creek

29-28-15-5-4

SA;HQW,NSW

0.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Wood Creek

From source to Slade Creek

29-34-40-6

SA;HQW,NSW

26.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Pamlico River Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Wrights Creek

From source to Pungo River

29-34-49

SA;HQW,NSW

40.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Atlantic Ocean

From Ocracoke Inlet to hatteras inlet

99-(6)

SB

17.3 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Back Creek

From source to Pamlico Sound

29-65

SA;HQW

38.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Bernice Creek

From source to Deep Bay

29-44-5-3

SA;HQW

21.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Berrys Bay

DEH closed area in northern part of bay

29-71a

SA;HQW

12.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Berrys Bay

Entire Bay except closed area in northern part of bay

29-71b

SA;HQW

395.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Broad Creek From source to Long Shoal River
29-73-7 SA;HQW 101.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Buck Creek From source to Juniper Bay
29-52-6 SA;ORW 57.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Coffee Bay Entire Bay
29-49-5 SA;ORW 477.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cedar Creek From source to Southward Bay (2.06240010261536 S Miles)
29-41-2-1 SA;HQW 12.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cedar Creek From source to Pamlico Sound
29-67 SA;HQW 12.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Chellybelle Creek From source to Spencer Bay
29-42-2 SA;HQW 21.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Clark Creek From source to Long Shoal River

29-73-6 SA;HQW 5.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cockrel Creek From source to Pamlico Sound

29-77 SA;HQW 9.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cowpen Creek From source to Swanquarter Bay

29-49-2 SA;ORW 28.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Crab Cove (Crabb Cove) Entire Cove

29-50 SA;ORW 73.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Cunning Harbor Bay Entire Bay

29-53 SA;HQW 282.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Deep Bay Entire Bay

29-44-5 SA;HQW 1,632.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Deep Creek From source to Long Shoal River
29-73-4 SA;HQW 45.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Ditch Creek From source to Germantown Bay
29-42-1-6 SA;HQW 13.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Doe Creek From source to Juniper Bay
29-52-5 SA;ORW 23.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Douglas Bay Entire Bay
29-60-3 SA;HQW 203.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Drum Cove Entire Cove
29-44-5-5 SA;HQW 39.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

East Bluff Bay Entire Bay
29-56 SA;HQW 499.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Eastard Bay	Entire Bay		
29-49-4	SA;ORW	154.5	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Far Creek	From a line extending due north and due south across Far Creek at flash beacon #9 to Pamlico Sound		
29-70-(4)	SA;HQW	389.5	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Fate Cove	Entire Cove		
29-41-2-4	SA;HQW	14.6	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Flat Cove	Entire Cove		
29-41-4	SA;HQW	11.0	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Germantown Bay	From source to a line starting at mouth of Long Creek extending across Bay to a point 77 meters south of Midgette Creek		
29-42-1a	SA;HQW	179.7	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Germantown Bay	Entire Bay except DEH closed area in northern part of bay		
29-42-1b	SA;HQW	319.5	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Gray Ditch From Lake Mattamuskeet to Wysocking Bay

29-60-4 SC 28.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1

Great Island Narrows From Juniper Bay to Swanquarter Bay

29-51 SA;ORW 1,809.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Harbor Creek From source to East Bluff Bay

29-56-1 SA;HQW 3.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Hickory Creek From source to Hickory Creek Bay

29-60-1-1 SA;HQW 7.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Hickory Creek Bay Entire Bay

29-60-1 SA;HQW 35.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Hillerys Cove Entire Cove

29-61 SA;HQW 43.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hog Cove

Entire Cove

29-41-3

SA;HQW

15.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

House Cove

Entire Cove

29-41-2-5

SA;HQW

28.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

House Creek

From source to Spencer Bay

29-42-3

SA;HQW

30.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Island Creek

From source to Caffee Bay

29-49-5-1

SA;HQW

14.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Island Creek

From source to Pamlico Sound

29-86

SA;HQW

1.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Island Creeks

From sources to Southward Bay

29-41-2-2

SA;HQW

43.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Jeanette Creek From source to Germantown Bay
29-42-1-5 SA;HQW 12.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Jeanette Creek From source to Pamlico Sound
29-64 SA;HQW 9.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Judith Narrows From White Perch Bay to Shell Bay
29-47-1 SA;ORW 84.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Juniper Bay Source to a line crossing the river at mouth of Rattlesnake Creek
29-52a SA;ORW 66.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Juniper Bay From mouth of Rattlesnake Creek to Pamlico Sound
29-52b SA;ORW 1,980.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Juniper Creek From source to East Bluff Bay
29-56-2 SA;HQW 14.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Knoll Creek From source to Pamlico Sound

29-81 SA;HQW 10.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Knoll House Creek From source to Pamlico Sound

29-82 SA;HQW 2.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Lake Mattamuskeet Entire Lake

29-57-1-1 SC 40,314.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	5
Exceeding Criteria	> 10% and >90 conf	pH (8.5, AL, SW)	5
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	> 10% and >90 conf N<10	Turbidity (25 NTU, AL, FW acres & SW)	3a

Laurel Creek From source to Juniper Bay

29-52-7 SA;ORW 8.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Lighthouse Creek From source to Mouse Harbor

29-41-7 SA;HQW 9.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Lighwood Snag Bay Entire Bay

29-44-3 SA;HQW 172.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Hammock Creek

From source to Germantown Bay

29-42-1-3

SA;HQW

8.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Little Swash Opening

From source to Pamlico Sound

29-84

SA;HQW

12.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Lone Tree Creek

From source to Wysocking Bay

29-60-5

SA;HQW

151.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Lone Tree Creek

From source to Pamlico Sound

29-69

SA;HQW

1.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Long Creek

From source to Mouse Harbor

29-41-6

SA;HQW

84.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Long Creek

From source to Germantown Bay

29-42-1-1

SA;HQW

53.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Long Shoal River	From U.S. Hwy. 264 to line extending river 506 meters south of Deep Creek		
29-73-(2)a	SA;HQW	419.8	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Long Shoal River	From a line extending river 506 meters south of Deep Creek to Pamlico Sound excluding area at 5th Avenue Pump canal		
29-73-(2)b	SA;HQW	2,641.0	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Long Shoal River	DEH closed area at 5th Avenue pump canal		
29-73-(2)c	SA;HQW	35.2	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Mary Anns Pond	Entire Pond		
29-89	SA;HQW	2.9	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Middle Creek	From source to Deep Bay		
29-44-5-4	SA;HQW	11.9	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Middle Creek	From source to Pamlico Sound		
29-59	SA;HQW	10.0	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Middle Shoal Creek (Mill Show Creek)

From source to Rose Bay

29-44-4 SA;HQW 21.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Middle Town Creek

From source to Pamlico Sound

29-66 SA;HQW 71.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Midgette Creek

From source to Germantown Bay

29-42-1-2 SA;HQW 8.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Mouse Harbor

Entire Bay

29-41 SA;HQW 774.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Mouse Harbor Ditch

From source to Mouse Harbor

29-41-1 SA;HQW 2.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Muddy Creek

From source to Long Shoal River

29-73-5 SA;HQW 49.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North Bitterwash Creek

From source to Pamlico Sound

29-79

SA;HQW

6.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Northern Pond

Entire Pond

29-88

SA;HQW

4.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Northwest Creek

From source to Juniper Bay

29-52-2

SA;HQW

19.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Oak Cove

Entire Cove

29-41-5

SA;HQW

15.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Old Hammock Creek

From source to Pamlico Sound

29-85

SA;HQW

1.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Old Haulover

From source to Deep Bay

29-44-5-1

SA;HQW

28.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Old Haulover From source to Juniper Bay
29-52-4 SA;HQW 19.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Old Hill Bay Entire Bay
29-60-2 SA;HQW 208.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Old Slough From source to Pamlico Sound
29-91 SA;HQW 3.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Otter Creek Southern bay of Otter Creek
29-72a SA;HQW 56.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Otter Creek From southern bay of Otter Creek to Pamlico Sound
29-72b SA;HQW 377.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Outfall Canal From Lake Mattamuskeet to Sage Bay
29-57-1 SC 128.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Oyster Creek From source to a line 990 meters east of Swanquarter Bay

29-49-3a SA;ORW 35.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t

Oyster Creek From a line 990 meters east of Swanquarter Bay to Swanquarter Bay

29-49-3b SA;ORW 120.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Oyster Creek From source to Far Creek

29-70-6 SA;HQW 50.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Pains Bay Entire Bay

29-74 SA;HQW 1,149.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Pains Creek From source to closure line

29-74-1a SA;HQW 31.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Pains Creek From closure line to Pains Bay

29-74-1b SA;HQW 24.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

PAMLICO RIVER AND PAMLICO SOUND

From a line across Pamlico River from Roos Point to Persimmon Tree Point to Pamlico Sound and Pamlico Sound within a line beginning at Sandy Point and extending southerly to northeast tip of Ocracoke Island, thence along the Ocean Side of Ocracoke Island

29-(40.5)a SA;HQW 457,942.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

PAMLICO RIVER AND PAMLICO SOUND

DEH closed areas at mouth of Middleton Creek

29-(40.5)b SA;HQW 48.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

PAMLICO RIVER AND PAMLICO SOUND

DEH closed areas at mouth Long Creek

29-(40.5)c SA;HQW 0.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

PAMLICO RIVER AND PAMLICO SOUND

DEH closed areas at mouth Far Creek

29-(40.5)d SA;HQW 120.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

PAMLICO RIVER AND PAMLICO SOUND

DEH closed areas adjacent to Ocracoke

29-(40.5)e SA;HQW 48.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pamlico Sound Swanquarter Bay/Juniper Bay ORW Area, including the Northeast Swanquarter Bay Area

All waters within a line beginning at Juniper Bay Point and running due South to Lat. 35 18'00", Long 76 13'20", thence due west to Lat. 35 18'00", Long 76 20'00", thence northwest to Shell Point

29-46.5 SA;ORW 11,670.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Raccoon Creek

From source to Great Island Narrows

29-51-1 SA;HQW 5.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Rattlesnake Creek

From source to Juniper Bay

29-52-3 SA;HQW 4.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Rose Bay

From source to a line 200 meters south of mouth of Rose Bay Creek

29-44a1 SA;HQW 253.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Rose Bay

From a line 200 meters south of mouth of Rose Bay Creek to line 600 meters south of mouth of Rose Bay Creek

29-44a2 SA;HQW 65.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Rose Bay

Entire Bay except DEH closed area in northern part of bay

29-44b SA;HQW 7,258.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rose Bay Creek

From source to Rose Bay

29-44-1

SA;HQW

154.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Sage Bay

Entire Bay

29-57

SA;HQW

50.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Sand Hole Creek

From source to Pamlico Sound

29-87

SA;HQW

3.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Sanger Creek

From source to Pamlico Sound

29-58

SA;HQW

8.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Shell Bay

Entire Bay

29-47

SA;ORW

2,063.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Shell Narrows

From Swanquarter Bay to Shell Bay

29-47-3

SA;ORW

298.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Shingle Creek

From source to Swanquarter Bay

29-49-1

SA;ORW

7.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Shingle Creek

From source to Pamlico Sound

29-78

SA;HQW

10.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Smokehouse Cove

Entire Cove

29-48

SA;ORW

43.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

South Bitterwash Creek

From source to Pamlico Sound

29-80

SA;HQW

8.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Southward Bay

Entire Bay

29-41-2

SA;HQW

345.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Southwest Bay

Entire Bay

29-55

SA;HQW

214.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Spencer Bay Entire Bay
29-42 SA;HQW 1,164.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Striking Bay Entire Bay
29-43 SA;HQW 182.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Swan Creek (Swine Creek) From source to Germantown Bay
29-42-1-4 SA;HQW 9.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Swanquarter Bay DEH closed area west of Swanquarter
29-49a SA;ORW 136.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Swanquarter Bay Entire Bay except for closed area near Swanquarter
29-49b SA;ORW 4,986.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

The Blowout From Bernice Creek to Shell Bay
29-47-2 SA;HQW 1.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

The Haulover From Swanquarter Bay to Deep Bay

29-44-5-2 SA;HQW 2.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Tolers Bay Entire Bay

29-45 SA;HQW 120.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Tooley Creek From source to Rose Bay

29-44-2 SA;HQW 191.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Try Yard Creek From source to Pamlico Sound

29-83 SA;HQW 10.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Voliva Cove Entire Cove

29-41-2-3 SA;HQW 30.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Waupopin Canal From Lake Mattamuskeet to Boundary Canal

29-70-5-2-(0.3) SC 22.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1



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Pamlico Sound Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Waupopin Creek

From a line beginning on the southwestern side of Waupopin Creek 300 yards from its junction with Far Creek, and running due northeast to the northeastern shore of Waupopin Creek to Far Creek

29-70-5-(3)

SA;HQW

96.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

West Bluff Bay

Entire Bay

29-54

SA;HQW

1,191.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

White Perch Bay

Entire Bay

29-46

SA;HQW

97.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Wysocking Bay

From source to 1000 meters north of Mackay Point

29-60a

SA;HQW

126.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Wysocking Bay

Entire Bay except for area 1000 meters north of Mackay Point

29-60b

SA;HQW

3,262.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Fishing Subbasin

Tar-Pamlico River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Fishing Creek

From Horse Creek to Possumquarter Creek

28-79-(1)a2

C;NSW

4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Dissolved Oxygen (4 mg/l, AL, FW)	3a
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Fishing Creek

From Possumquarter Creek to Shocco Creek

28-79-(1)a3

C;NSW

5.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Ut to Rosebay Canal

From Rosebay Canal to Lake Mattamuskeet

29-44-1-1ut1

4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1

Watauga River Subbasin 06010103

Watauga River Basin



Final 2016 Integrated Report-All Assessed Waters

Watauga River Subbasin

Watauga River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Beaverdam Creek

From source to Watauga River

8-19

C;Tr

5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5

Bee Tree Creek

From source to Boone Fork

8-7-6

C;ORW

1.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Beech Creek

From source to Watauga River

8-20

C;Tr

7.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Boone Fork (Price Lake)

From source to Watauga River

8-7

C;Tr,ORW

8.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Brushy Fork

From source to Cove Creek

8-15-10

C

5.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Cannon Branch

From source to Boone Fork

8-7-5

C;ORW

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Watauga River Subbasin

Watauga River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Clear Branch

From source to Elk River

8-22-11

C

1.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Watauga River Subbasin

Watauga River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cold Prong

From source to Boone Fork

8-7-1

C;Tr,ORW

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (0.36 µg/l, AL, Tr)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Water Temperature (20°C, AL, Tr)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cove Creek

From source to Watauga River

8-15

C

12.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Watauga River Subbasin

Watauga River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Cranberry Creek

From source to Elk River

8-22-16

C;Tr

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Watauga River Subbasin

Watauga River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Dutch Creek From Clark Creek to Watauga County SR 1112
8-12-(1.5) C;Tr 0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Elk River From Peavine Branch to North Carolina-Tennessee State Line
8-22-(14.5) B;Tr 8.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Elk River (Mill Pond) From Sugar Creek to Peavine Creek
8-22-(3) C;Tr 4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Fall Creek From source to Elk River
8-22-20 C;Tr 2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

George Branch From source to Brushy Fork
8-15-10-2 C 0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

George Gap Branch From source to Cove Creek
8-15-9 C 1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Watauga River Subbasin

Watauga River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Greenbrier Creek

From source to Blevins Creek

8-22-16-2-1

C;Tr

2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Harrison Branch

From source to Laurel Fork

8-10-1

C

1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Laurel Creek

From source to Watauga River

8-17

C;Tr

6.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Laurel Fork

From source to Watauga River

8-10

C;Tr

4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Leroy Creek

From source to Elk River

8-22-9

C

2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Watauga River Subbasin

Watauga River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Elk Creek

From source to Elk River

8-22-17

C;Tr

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Mill Creek

From North Carolina-Tennessee State Line to Elk River

8-22-19

C;Tr

1.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

North Fork Cove Creek

From source to Cove Creek

8-15-2

C

2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Ramp Branch

From source to Elk River

8-22-12

C

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Rube Creek

From source to Beaverdam Creek

8-19-3

C

4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Shanty Spring Branch

From source to Watauga River

8-2

C

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Watauga River Subbasin

Watauga River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Sharp Creek From source to Cove Creek

8-15-6 C 2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Shawneehaw Creek From source to Mill Pond, Elk River

8-22-7 C;Tr 3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Stone Mountain Branch From source to Watauga River

8-21 C 2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Upper Laurel Fork From source to Laurel Fork

8-10-3 C 2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

UT STONE MOUNTAIN BR Source to STONE MOUNTAIN BR

8-21ut3 1.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Watauga River Subbasin

Watauga River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

WATAUGA RIVER

From source to Cove Creek

8-(1)a

B;Tr,HQW

17.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	No Asmnt of Thermal Vari	Water Temperature (20°C, AL, Tr)	3a



Final 2016 Integrated Report-All Assessed Waters

Watauga River Subbasin

Watauga River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

WATAUGA RIVER

From Cove Creek to U.S. Hwy. 321 Bridge

8-(1)b

B;Tr,HQW

2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Cadmium (0.4 µg/l, AL, Tr)	3e
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (10 NTU, AL, Tr)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (6 mg/l, AL, Tr)	1
Meeting Criteria	< 10%	Cadmium (0.4 µg/l, AL, Tr)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	No Asmnt of Thermal Vari	Water Temperature (20°C, AL, Tr)	3a

WATAUGA RIVER

From U.S. Hwy. 321 to North Carolina-Tennessee State Line

8-(16)

B;HQW

6.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

Watauga River Subbasin

Watauga River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

West Fork Rube Creek

From source to Rube Creek

8-19-3-2

C

1.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Pamlico Sound Subbasin 03020105

White Oak River Basin

Annis Run

From source to Styron Bay

21-35-7-3-2

SA;HQW

4.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Atlantic Ocean

From Fort Macon State Park across the Newport River around Cape Lookout to Drum Inlet

99-(4)g

SB

42.0 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Cedar Creek

From source to Styron Creek

21-35-7-3-3-1

SA;HQW

18.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Cedar Inlet

From Old Channel to Core Sound

21-35-7-8

SA;ORW

70.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

Pamlico Sound Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Core Sound

Portion of the following in subbasin 030504 from northern boundary of White Oak River Basin (a line from Hall Point to Drum Inlet) to Back Sound excluding conditionally approved

21-35-7a1 SA;ORW 21,202.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Core Sound

Luther Smith and Sons Fish House

21-35-7a1a SA;ORW 1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Core Sound

Willis Texaco Marina

21-35-7a1b SA;ORW 1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Core Sound

Portion of the following in subbasin 030504 from northern boundary of White Oak River Basin (a line from Hall Point to Drum Inlet) to Back Sound excluding conditionally approved. Morris Marina

21-35-7a3 SA;ORW 3.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Core Sound

Portion of the following in subbasin 030504 from northern boundary of White Oak River Basin (a line from Hall Point to Drum Inlet) to Back Sound excluding conditionally approved. Clayton Fulchers Fish House

21-35-7a4 SA;ORW 10.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Pamlico Sound Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Ditch to Broad Creek

Drainage network to Broad Creek

21-35-7-10-4ut1

1.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3a
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a

Fulchers Creek

From source to Core Sound

21-35-7-12

SA;ORW

39.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico Sound Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Glover Creek

From source to Styron Bay

21-35-7-3-1

SA;HQW

10.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Gutter Creek

From source to Core Sound

21-35-7-7

SA;HQW

35.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Head of the Hold

Entire Bay

21-35-7-14

SA;ORW

21.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Horsepen Creek

From source to Core Sound

21-35-7-5

SA;HQW

0.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Lewis Creek

From source to Nelson Bay

21-35-7-10-6a

SA;HQW

7.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Lewis Creek

From source to Nelson Bay

21-35-7-10-6b

SA;HQW

12.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Pamlico Sound Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Negro Creek From source to Core Sound (feature no longer exist)

21-35-7-4 SA;HQW 1.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Nelson Bay From a line extending from mouth of Broad Creek due east across Nelson Bay to Core Sound

21-35-7-10-(5)a SA;HQW 17.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Nelson Bay From a line extending from mouth of Broad Creek due east across Nelson Bay to Core Sound

21-35-7-10-(5)b SA;HQW 786.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Old Channel From Core Sound to Cedar Inlet

21-35-7-8-1 SA;ORW 110.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Pasture Creek From source to Nelson Bay

21-35-7-10-7 SA;HQW 6.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Point of Grass Creek From source to Core Sound

21-35-7-1 SA;ORW 0.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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Pamlico Sound Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Sheep Pen Creek

From source to Core Sound

21-35-7-6

SA;HQW

0.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Styron Bay

Entire Bay with exception of DEH closed area

21-35-7-3a

SA;ORW

419.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Styron Bay

DEH closed area

21-35-7-3b

SA;ORW

10.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Styron Creek

From source to DEH closure line at mouth of Cedar Creek

21-35-7-3-3a

SA;HQW

10.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Styron Creek

From DEH closure line at mouth of Cedar Creek to Core to Styron Bay

21-35-7-3-3b

SA;HQW

6.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Willis Creek

From source to Core Sound

21-35-7-11

SA;ORW

54.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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Pamlico Sound Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Yaupon Hammock Bay

Entire Gut

21-35-7-9

SA;ORW

9.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Core Creek (Intracoastal Waterway - Adams Creek Canal)

From Neuse River Basin boundary to DEH closed line

21-24a

SA;HQW

29.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Harlowe Canal

From Neuse River Basin Boundary (at Craven-Carteret County Line) to Harlowe Creek (at N.C. Hwy. # 101)

21-22-1

SA;HQW

10.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Allen Slough

From source to Money Island Bay

20-36-13-2

SA;HQW

5.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Alligator Creek

From source to Harlowe Creek

21-22-2

SA;HQW

2.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Archer Creek (Piney Cr.)

From source to Bogue Sound

20-36-5

SA;ORW

19.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Atlantic Ocean From Myrtle Drive in North Topsail Beach to Ocean Drive in Emerald Isle
99-(4)a SB 27.2 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Atlantic Ocean From Ocean Drive in Emerald Isle to Seagull Road in Emerald Isle
99-(4)b SB 0.6 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Exceeding Criteria	Ent 5in30 GM>35	Enterococcus (GM 35, REC, SW)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Atlantic Ocean From Seagull Road in Emerald Isle to Seashell Lane west of Indian Beach
99-(4)c SB 8.1 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Atlantic Ocean From Seashell Lane west of Indian Beach to Hoffman Road in Indian Beach
99-(4)d SB 0.7 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Atlantic Ocean From Hoffman Road in Indian Beach to Dunes Avenue in Atlantic Beach
99-(4)e SB 8.8 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Atlantic Ocean

From Dunes Avenue in Atlantic Beach to Fort Macon State Park

99-(4)f

SB

1.5 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Back Sound

Portion of the following in subbasin 030503 From Newport River to a point on Shackleford Banks at lat. 34 40'57" and long 76 37'30" north to the western most point of Middle Marsh

21-35-(0.5)a

SA;HQW

303.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Back Sound

Portion of the following in subbasin 030504 From Newport River to a point on Shackleford Banks at lat. 34 40'57" and long 76 37'30" north to the western most point of Middle Marsh

21-35-(0.5)b

SA;HQW

870.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Back Sound

Portion of the following in subbasin 030505 From Newport River to a point on Shackleford Banks at lat. 34 40'57" and long 76 37'30" north to the western most point of Middle Marsh

21-35-(0.5)c

SA;HQW

1,480.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Back Sound

DEH closed area at west mouth of Taylor Creek around Pivers Island

21-35-(0.5)d

SA;HQW

50.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Back Sound

Portion of the following in subbasin 030504 From Newport River to a point on Shackelford Banks at lat. 34 40'57" and long 76 37'30" north to the western most point of Middle Marsh

21-35-(0.5)e1

SA;HQW

32.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Back Sound

Portion of the following in subbasin 030504 From Newport River to a point on Shackelford Banks at lat. 34 40'57" and long 76 37'30" north to the western most point of Middle Marsh

21-35-(0.5)e2

SA;HQW

156.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Back Sound

DEH closed areas in and around Carrot Island

21-35-(0.5)f

SA;HQW

99.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Back Sound

Portion of the following in subbasin 030504 From a point on Shackelford Banks at lat. 34 40'57" and long 76 37'30" north to the western most point of Middle Marshes and along the

21-35-(1.5)a1

SA;ORW

738.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Back Sound

Portion of the following in subbasin 030504 From a point on Shackelford Banks at lat. 34 40'57" and long 76 37'30" north to the western most point of Middle Marshes and along the. Harkers Island Fishing Center

21-35-(1.5)a2

SA;ORW

7.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Back Sound

Portion of the following in subbasin 030504 From a point on Shackelford Banks at lat. 34 40'57" and long 76 37'30" north to the western most point of Middle Marshes and along the. Barbours Harbor Marina

21-35-(1.5)a3

SA;ORW

2.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Back Sound

Portion of the following in subbasin 030505 From a point on Shackelford Banks at lat. 34 40'57" and long 76 37'30" north to the western most point of Middle Marshes and along the

21-35-(1.5)b

SA;ORW

6,711.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Back Sound

Four DEH closed areas on the south shore of Harkers Island.

21-35-(1.5)c

SA;ORW

6.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Bald Hill Bay

Entire Bay

21-35-4

SA;ORW

112.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Banks Channel

From Browns Inlet to Intracoastal Waterway

19-41-6

SA;HQW

62.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Barden Inlet

From Atlantic Ocean to Core Sound

21-35-7-38

SA;ORW

199.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Exceeding Criteria	Posting>=61	Recreation Advisory Postings (Pathogen Indicator	4cs
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Bear Creek

From Shacklefoot Channel to Intracoastal Waterway

19-41-10

SA;HQW

49.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Bear Creek

From source to DEH closed area line

19-41-11a1

SA;HQW

88.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Bear Creek

DEH CAC area along north shore of creek

19-41-11a2

SA;HQW

8.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Bear Creek

DEH CAO area along south shore shore of creek

19-41-11a3

SA;HQW

19.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Bear Creek

DEH CAC area along north shore of creek

19-41-11b1

SA;HQW

12.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	4t



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bear Creek DEH CAO area along south shore shore of creek
19-41-11b2 SA;HQW 179.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Bear Inlet From Atlantic Ocean to Intracoastal Waterway
19-41-13 SA;HQW 241.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Bear Island ORW Area All waters within an area north of Bear Island defined by a line from the western most point on Bear Island and running along the eastern shore of Sanders Creek to the northeast m

19-41-18a SA;ORW 2,207.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Bear Island ORW Area All waters within an area north of Bear Island defined by a line from the western most point on Bear Island and running along the eastern shore of Sanders Creek to the northeast m

19-41-18b1 SA;ORW 24.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bear Island ORW Area All waters within an area north of Bear Island defined by a line from the western most point on Bear Island and running along the eastern shore of Sanders Creek to the northeast m

19-41-18b2 SA;ORW 18.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bell Creek From source to DEH closed line
21-24-2a SA;HQW 19.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bell Creek From DEH closed line to Core Creek
21-24-2b SA;HQW 46.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bell Swamp From source to Queen Creek
19-41-16-1 SA;HQW 1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Big Creek From source to Newport River
21-20 SA;HQW 0.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Blinds Hammock Bay Entire Bay
21-35-6 SA;ORW 71.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Boathouse Creek From source to White Oak River
20-31 SA;HQW 15.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bogue Inlet

From Atlantic Ocean to Intracoastal Waterway

19-41-17

SA;ORW

195.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Bogue Sound

DEH closed area at mouth of Hunting Island Creek

20-36-(0.5)b1

SA;ORW

44.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound

DEH closed area at mouth of Hunting Island Creek

20-36-(0.5)b2

SA;ORW

11.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound

DEH closed area at mouth of Sanders Creek

20-36-(0.5)c

SA;ORW

33.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound

DEH closed area 870 meters west of mouth of Broad Creek

20-36-(0.5)d1

SA;ORW

3.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound

DEH closed area 870 meters west of mouth of Broad Creek

20-36-(0.5)d2

SA;ORW

0.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bogue Sound (Including Intracoastal Waterway to Beaufort Inl

Approved area immediately adjacent to Salter Path prohibited area

20-36-(8.5)b1

SA;HQP

48.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Bogue Sound (Including Intracoastal Waterway to Beaufort Inl

DEH prohibited area adjacent to Salter Path on sound side of outer

20-36-(8.5)b2

SA;HQP

62.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Bogue Sound (Including Intracoastal Waterway to Beaufort Inl

DEH Conditionally Approved Closed area near Jumping Run Creek

20-36-(8.5)c1

SA;HQP

373.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound (Including Intracoastal Waterway to Beaufort Inl

DEH Conditionally Approved Closed area near Jumping Run Creek

20-36-(8.5)c2

SA;HQP

5.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bogue Sound (Including Intracoastal Waterway to Beaufort Inl

DEH closed area in unnamed bay approximately 2500 meters east of line across Bogue Sound from the southwest side of mouth of Gales Creek to Rock Point

20-36-(8.5)d SA;HQW 8.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound (Including Intracoastal Waterway to Beaufort Inl

DEH closed area in unnamed bay approximately 3500 meters east of line across Bogue Sound from the southwest side of mouth of Gales Creek to Rock Point

20-36-(8.5)e SA;HQW 4.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound (Including Intracoastal Waterway to Beaufort Inl

DEH closed area at mouth of Spooner Creek

20-36-(8.5)g SA;HQW 47.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound (Including Intracoastal Waterway to Beaufort Inl

DEH closed area at mouth of Peltier Creek

20-36-(8.5)h SA;HQW 93.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound (Including Intracoastal Waterway to Beaufort Inl

DEH closed area near Hoophole Creek west of Atlantic Beach

20-36-(8.5)i SA;HQW 41.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bogue Sound (Including Intracoastal Waterway to Beaufort Inl

DEH closed areas west at Atlantic Beach Bridge and Cedar Hammock

20-36-(8.5)j

SA;HQW

47.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Bogue Sound (Including Intracoastal Waterway to Beaufort Inl

DEH closed area from Newport River Restricted area to Fort Macon Creek

20-36-(8.5)k

SA;HQW

355.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound (Including Intracoastal Waterway)

From Bogue Inlet (from a line running from the eastern mouth of Bogue Inlet to SR 1117 on the mainland) to a line across Bogue Sound from the southwest side of mouth of Gales Creek. Main body of Bogue Sound South of ICWW.

20-36-(0.5)a1

SA;ORW

9,281.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Bogue Sound (Including Intracoastal Waterway)

From Bogue Inlet (from a line running from the eastern mouth of Bogue Inlet to SR 1117 on the mainland) to a line across Bogue Sound from the southwest side of mouth of Gales Creek. Area between ICWW and North Shore of Bogue Sound

20-36-(0.5)a2

SA;ORW

1,750.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bogue Sound (Including Intracoastal Waterway)

From Bogue Inlet (from a line running from the eastern mouth of Bogue Inlet to SR 1117 on the mainland) to a line across Bogue Sound from the southwest side of mouth of Gales Creek. Cedar Point Villas Marina

20-36-(0.5)a3

SA;ORW

3.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound (Including Intracoastal Waterway)

From Bogue Inlet (from a line running from the eastern mouth of Bogue Inlet to SR 1117 on the mainland) to a line across Bogue Sound from the southwest side of mouth of Gales Creek. Dolphin Street Park Dockage

20-36-(0.5)a4

SA;ORW

1.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound (Including Intracoastal Waterway)

From Bogue Inlet (from a line running from the eastern mouth of Bogue Inlet to SR 1117 on the mainland) to a line across Bogue Sound from the southwest side of mouth of Gales Creek. Bayshore Park Dockage

20-36-(0.5)a5

SA;ORW

2.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound (Including Intracoastal Waterway)

From Bogue Inlet (from a line running from the eastern mouth of Bogue Inlet to SR 1117 on the mainland) to a line across Bogue Sound from the southwest side of mouth of Gales Creek. Old Ferry Dock at Cape Carteret

20-36-(0.5)a6

SA;ORW

4.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound (Including Intracoastal Waterway)

From Bogue Inlet (from a line running from the eastern mouth of Bogue Inlet to SR 1117 on the mainland) to a line across Bogue Sound from the southwest side of mouth of Gales Creek. Island Harbor Marina

20-36-(0.5)a7

SA;ORW

11.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bogue Sound (Including Intracoastal Waterway)

From Bogue Inlet (from a line running from the eastern mouth of Bogue Inlet to SR 1117 on the mainland) to a line across Bogue Sound from the southwest side of mouth of Gales Creek. Salty Shores Marina

20-36-(0.5)a8

SA;ORW

4.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound (Including Intracoastal Waterway)

From Bogue Inlet (from a line running from the eastern mouth of Bogue Inlet to SR 1117 on the mainland) to a line across Bogue Sound from the southwest side of mouth of Gales Creek. Bogue Sound Yacht Club

20-36-(0.5)a9

SA;ORW

1.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound (Including Intracoastal Waterway)

From a line across Bogue Sound from the southwest side of mouth of Gales Creek to Rock Point to Beaufort Inlet excluding the DEH Conditionally Approved Closed area near Jumping Ru

20-36-(8.5)a1

SA;HQW

9,108.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Bogue Sound (Including Intracoastal Waterway)

From a line across Bogue Sound from the southwest side of mouth of Gales Creek to Rock Point to Beaufort Inlet excluding the DEH Conditionally Approved Closed area near Jumping Ru. Salter Path

20-36-(8.5)a12

SA;HQW

12.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound (Including Intracoastal Waterway)

Prohibited Area at Fish n Lake

20-36-(8.5)a1a

SA;HQW

33.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bogue Sound (Including Intracoastal Waterway)

From a line across Bogue Sound from the southwest side of mouth of Gales Creek to Rock Point to Beaufort Inlet excluding the DEH Conditionally Approved Closed area near Jumping Ru.

20-36-(8.5)a2

SA;HQW

1,180.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Bogue Sound (Including Intracoastal Waterway)

From a line across Bogue Sound from the southwest side of mouth of Gales Creek to Rock Point to Beaufort Inlet excluding the DEH Conditionally Approved Closed area near Jumping Ru. Morehead City Port

20-36-(8.5)a4

SA;HQW

134.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Bogue Sound (Including Intracoastal Waterway)

From a line across Bogue Sound from the southwest side of mouth of Gales Creek to Rock Point to Beaufort Inlet excluding the DEH Conditionally Approved Closed area near Jumping Ru. Bogue Sound Atlantic Beach Area

20-36-(8.5)a5

SA;HQW

46.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound (Including Intracoastal Waterway)

From a line across Bogue Sound from the southwest side of mouth of Gales Creek to Rock Point to Beaufort Inlet excluding the DEH Conditionally Approved Closed area near Jumping Ru. Triple S Marina

20-36-(8.5)a7

SA;HQW

3.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bogue Sound (Including Intracoastal Waterway)

From a line across Bogue Sound from the southwest side of mouth of Gales Creek to Rock Point to Beaufort Inlet excluding the DEH Conditionally Approved Closed area near Jumping Ru. Pine Knoll Shores Area

20-36-(8.5)a8 SA;HQW 1.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound (Including Intracoastal Waterway)

From a line across Bogue Sound from the southwest side of mouth of Gales Creek to Rock Point to Beaufort Inlet excluding the DEH Conditionally Approved Closed area near Jumping Ru. Bogue Pines Boat Basin

20-36-(8.5)a9 SA;HQW 0.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound (Including Intracoastal Waterway)

DEH closed area in unnamed bay area near Hoophole Woods approximately 7400 meters east of line across Bogue Sound from the southwest side of mouth of Gales Creek to Rock Point

20-36-(8.5)f SA;HQW 81.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Bogue Sound (Including Intracoastal Waterway). Brandywine Bay Inc.

Prohibited area in sound extending from Brandywine Bay Inc.

20-36-(8.5)a3 SA;HQW 3.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Brett Bay

Entire Bay

21-35-7-13a SA;ORW 161.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Brett Bay Entire Bay
21-35-7-13b SA;ORW 24.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Broad Creek From source to Bogue Sound
20-36-7a SA;HQW 73.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Broad Creek From source to Bogue Sound
20-36-7b SA;HQW 16.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Broad Creek (Jarrett Bay) From source to Jarrett Bay
21-35-7-22-3 SA;ORW 36.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t

Brooks Creek From source to North River. Hnuckles Landing Harbor
21-35-1-13a SA;HQW 14.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Brooks Creek From source to North River
21-35-1-13b SA;HQW 2.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Browns Creek

From source to Intracoastal Waterway

19-41-8

SA;HQW

52.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Browns Inlet

From Atlantic Ocean to Intracoastal Waterway

19-41-7

SA;HQW

150.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Browns Swamp

From source to Freeman Creek

19-41-5-1

SA;HQW

1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Cabs Creek

From source to Back Sound

21-35-3

SA;ORW

46.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Caggs Creek

From source to Hogpen Bay

21-35-7-34-1

SA;ORW

21.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Caleb Branch (City Weeks Branch)

From source to Hadnot Creek (1.1663188096093 S Miles)

20-23-3

SA;HQW

7.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cales Creek

From source to White Oak River

20-22

SA;HQW

7.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Calico Creek

From source to Ut on south side of creek 0.35 miles west of SR1176 bridge.

21-32a

SC;HQW

36.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	Turbidity (25 NTU, AL, FW acres & SW)	5
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	5
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (5 mg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Water Temperature (32°C, AL, LP&CP)	3a
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Calico Creek

From Ut on south side of creek 0.35 miles west of SR1176 bridge to Newport River

21-32b

SC;HQW

103.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Dissolved Oxygen (5 mg/l, AL, SW)	3a
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Exceeding Criteria	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	5e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Cartwheel Branch

From source to Holland Mill Creek

20-26-1

SA;HQW

4.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	4t



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Catfish Lake

From source to Black Swamp Creek

20-9-1

C

949.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Data Inconclusive	> 10% and >90 conf N<10	Turbidity (25 NTU, AL, FW acres & SW)	3a

Clay Bank Branch

From source to Freeman Creek

19-41-5-2

SA;HQW

1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Codds Creek

From source to Core Sound

21-35-7-33

SA;ORW

18.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Core Creek (Intracoastal Waterway - Adams Creek Canal)

From DEH closed line to DEH Conditionally Approved Closed line

21-24b1

SA;HQW

212.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Core Creek (Intracoastal Waterway - Adams Creek Canal)

From DEH closed line to DEH Conditionally Approved Closed line

21-24b2

SA;HQW

14.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Core Creek (Intracoastal Waterway - Adams Creek Canal)

From DEH Conditionally Approved Closed line to Newport River

21-24c

SA;HQW

196.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Core Sound

Portion of the following in subbasin 030504 from northern boundary of White Oak River Basin (a line from Hall Point to Drum Inlet) to Back Sound excluding conditionally approved

21-35-7a2

SA;ORW

20.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Core Sound

Portion of the following in subbasin 030504 from northern boundary of White Oak River Basin (a line from Hall Point to Drum Inlet) to Back Sound excluding conditionally approved

21-35-7b

SA;ORW

1,251.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t

Core Sound

Conditionally approved open area at the mouth Oyster Creek

21-35-7d

SA;ORW

87.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Cow Channel

From Bogue Inlet to Intracoastal Waterway

19-41-15

SA;ORW

16.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Crab Point Bay

Entire Bay

21-30

SA;HQW

157.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Crabbing Creek

From source to North River

21-35-1-3

SA;HQW

3.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Davis Bay (Cheney Bay)

DEH closed area in southern part of bay

21-35-1-11a

SA;HQW

18.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Davis Bay (Cheney Bay)

DEH Conditionally Approved Closed area northern part of bay

21-35-1-11b1

SA;HQW

164.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Davis Bay (Cheney Bay)

DEH Conditionally Approved Closed area northern part of bay

21-35-1-11b2

SA;HQW

23.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Deep Creek

From source to North River

21-35-1-2

SA;HQW

23.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Deer Creek

From source to Bogue Sound

20-36-1

SA;ORW

53.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Deer Pond

Entire pond

21-35-7-27

SA;ORW

31.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Dicks Creek

From source to Queen Creek

19-41-16-5

SA;HQW

22.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Ditch Cove

From source to Jarrett Bay

21-35-7-22-2

SA;ORW

32.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t

Dubling Creek

From source to White Oak River

20-30

SA;HQW

53.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs

East Prong Broad Creek

From source to Broad Creek

20-36-7-2

SA;HQW

10.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

East Prong Gales Creek

From source to Gales Creek (0.8 S Miles)

20-36-8-1

SA;HQW

4.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

East Prong Sanders Creek

From source to Sanders Creek

20-36-6-1

SA;HQW

2.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Eastman Creek

From source to Core Creek

21-24-1

SA;HQW

15.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Eastmouth Bay

Entire Bay

21-35-1-12-3.5

SA;HQW

336.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Feltons Creek

From source to North River

21-35-1-1

SA;HQW

4.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Fishing Creek

From source to Tar Landing Bay

20-36-15-1

SA;HQW

11.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Fork Creek

From source to Brett Bay

21-35-7-13-2

SA;ORW

18.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Fort Macon Creek

From source to Bogue Sound

20-36-16

SA;HQW

25.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Fortin Bay

Entire Bay

21-35-7-17

SA;HQW

117.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Freeman Creek

From source to Intracoastal Waterway

19-41-5

SA;HQW

65.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Fulcher Creek

From source to CAC area of Fulcher Creek

21-35-1-6a1

SA;HQW

2.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Fulcher Creek

From CAC area of Fulcher Creek to CAO area of Fulcher Creek

21-35-1-6a2

SA;HQW

7.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Fulcher Creek

CAO area of Fulcher Creek to North River

21-35-1-6a3

SA;HQW

3.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Fulcher Creek

CAO area of Fulcher Creek to North River

21-35-1-6b1

SA;HQW

0.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Fulcher Creek

CAO area of Fulcher Creek to North River

21-35-1-6b2

SA;HQW

0.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Gable Creek

From source to Newport River

21-28a

SA;HQW

35.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Gable Creek

From source to Newport River

21-28b

SA;HQW

10.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Gales Creek

From source to Bogue Sound

20-36-8

SA;HQW

53.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Gibbs Creek

From source to North River

21-35-1-10

SA;HQW

65.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Gilliklin Creek

From source to Ward Creek

21-35-1-7-1

SA;HQW

5.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Godfry Branch

From source to White Oak River

20-24

SA;HQW

3.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Goose Bay

Entire Bay

21-35-1-9

SA;HQW

260.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Goose Creek

From source to Intracoastal Waterway

19-41-14

SA;HQW

2.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Goose Creek

From source to DEH closure line Bogue Sound

20-36-4a

SA;HQW

73.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Goose Creek

From DEH closure line to Bogue Sound

20-36-4b

SA;HQW

128.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Great Creek

From source to Jarrett Bay

21-35-7-22-4

SA;ORW

71.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Great Island Bay Entire Bay
21-35-7-19 SA;ORW 312.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Great Island Creek From source to Core Sound
21-35-7-16 SA;HQW 105.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Great Lake Great Lake
20-17a C 2,805.7 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	> 10% and >90 conf N<10	Turbidity (25 NTU, AL, FW acres & SW)	3a

Great Marsh Creek From source to Core Sound
21-35-7-26a SA;ORW 124.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Great Marsh Creek From source to Core Sound
21-35-7-26b SA;ORW 6.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Hadnot Creek From source to White Oak River
20-23 SA;HQW 43.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Halls Creek From source to Queen Creek
19-41-16-3 SA;HQW 26.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Hampton Bay Entire Bay
20-27 SA;HQW 82.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Hannah Branch From source to West Prong Broad Creek (0.8 S Miles)
20-36-7-1-1 SA;HQW 4.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Harbor Channel Entire Channel
20-36-14 SC 61.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Harlowe Creek DEH closed area from source (at N.C. Hwy. # 101) to DEH closure line south of mouth of Alligator Creek
21-22a SA;HQW 31.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Harlowe Creek From DEH closure line south of mouth of Alligator Creek to DEH Conditionally Approved Closed line near Newport River
21-22b1 SA;HQW 1.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Harlowe Creek From DEH closure line south of mouth of Alligator Creek to DEH Conditionally Approved Closed line near Newport River
21-22b2 SA;HQW 92.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Harlowe Creek From DEH closure line south of mouth of Alligator Creek to DEH Conditionally Approved Closed line near Newport River
21-22b3 SA;HQW 0.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Harlowe Creek From DEH Conditionally Approved Closed line near Newport River to Newport River
21-22c SA;HQW 99.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Henry Jones Creek From source to Westmouth Bay. Erwins Marina
21-35-1-12-3-1a SA;HQW 0.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Henry Jones Creek From source to Westmouth Bay
21-35-1-12-3-1b SA;HQW 43.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Henry Jones Creek From source to Westmouth Bay. Calvin Rose Boat Dockage
21-35-1-12-3-1c SA;HQW 1.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hogpen Bay

Entire Bay

21-35-7-34

SA;ORW

78.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Holland Mill Creek

From source to White Oak River

20-26

SA;HQW

29.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Hoop Pole Creek

From source to Bogue Sound

20-36-12

SA;HQW

163.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Horse Island Creek

From source to Great Island Creek

21-35-7-16-1

SA;HQW

8.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Horsepen Creek

From source to Core Sound

21-35-7-28

SA;ORW

26.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Howland Creek

From source to Jarrett Bay

21-35-7-22-5

SA;ORW

26.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hunting Island Creek

From source to Bogue Sound

20-36-2

SA;HQW

2.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Intracoastal Waterway

From subbasin boundary to southwest mouth of Bear Creek

19-41-(0.5)d

SA;HQW

276.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Intracoastal Waterway

From southwest mouth of Bear Creek to mouth of Goose Creek

19-41-(0.5)e

SA;HQW

57.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Intracoastal Waterway

From the northeast mouth of Goose Creek to the southwest mouth of Queen Creek

19-41-(14.5)a

SA;ORW

108.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator)	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Intracoastal Waterway

Unnamed area south of ICWW between Bear Creek and Saunders Creek

19-41-(14.5)b

SA;HQW

172.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Intracoastal Waterway

From the southwest mouth of Queen Creek to the west side of the Whiteoak River Restricted Area

19-41-(15.5)a

SA;HQW

162.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Intracoastal Waterway

From the southwest mouth of Queen Creek to the west side of the Whiteoak River Restricted Area

19-41-(15.5)b

SA;HQW

63.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Iron Creek

From source to Core Sound

21-35-7-36

SA;ORW

30.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Janes Creek

From source to The Straits

21-35-1-12-4

SA;HQW

23.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Jarrett Bay

From head of bay to DEH conditionally approved open line

21-35-7-22a

SA;ORW

38.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t

Jarrett Bay

From DEH conditionally approved open line to Core Sound

21-35-7-22b

SA;ORW

1,110.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t

Jarrett Bay

DEH closed area at embayment at mouth Williston Creek

21-35-7-22c1

SA;ORW

31.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Jarrett Bay DEH closed area at embayment at mouth Williston Creek

21-35-7-22c2 SA;ORW 27.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t

Johnson Bay Entire Bay

21-35-5 SA;ORW 91.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Johnson Creek From source to Core Sound

21-35-7-20 SA;HQW 137.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Jump Run From source to Core Sound

21-35-7-23 SA;ORW 42.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Jumping Run From source to Bogue Sound

20-36-9 SA;HQW 4.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Lewis Creek From source to Core Sound

21-35-7-29 SA;ORW 15.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lighthouse Bay

Entire Bay

21-35-7-37

SA;ORW

382.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Little Creek

From source to Newport River (0.5 S Miles)

21-21

SA;HQW

3.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Little Creek Swamp

From source to Newport River (0.41878944557934 S Miles)

21-18

SA;HQW

2.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Lynch Creek

From source to North River

21-35-1-4

SA;HQW

6.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Maria Creek

From source to Brett Bay

21-35-7-13-1

SA;ORW

39.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Middens Creek

From source to DEH closure line

21-35-7-24a

SA;HQW

21.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Middens Creek

From DEH closure line to Core Sound

21-35-7-24b

SA;HQW

112.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Mill Creek

From source to Bear Creek

19-41-11-1

SA;HQW

14.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Mill Creek

From source to Newport River (0.279973970025746 S Miles)

21-19

SA;HQW

1.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Mill Creek (Pettiford Creek)

From source to Pettiford Creek (0.8 S Miles)

20-29-1-1

SA;HQW

4.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Mirey Branch

From source to Freeman Creek

19-41-5-3

SA;HQW

1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Money Island Bay

Closed DEH area in western portion of Bay

20-36-13a

SA;HQW

106.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Money Island Bay DEH approved area near Allen Slough in eastern portion of Bay
20-36-13b1 SA;HQW 16.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Money Island Bay DEH approved area near Allen Slough in eastern portion of Bay. Bogue Banks Atlantic Beach Area
20-36-13b2 SA;HQW 21.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Money Island Slough From source to Money Island Bay
20-36-13-1 SA;HQW 10.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mulberry Creek

From source to White Oak River

20-13

C

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (4 mg/l, AL, FW)	3a
Data Inconclusive	Potentially due to natural	pH (6 su, AL, FW)	3a

Mullet Cove

Entire cove

21-35-7-31

SA;ORW

22.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Mullet Gut

From source to Starkey Creek

20-29-2-1

SA;HQW

1.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Newby Creek

From source to DEH closure line

21-35-1-8a

SA;HQW

9.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Newby Creek

From source to DEH closure line

21-35-1-8b

SA;HQW

0.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Newport River

From source to Black Creek Little Creek Swamp

21-(1)a

C

8.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Newport River

From Black Creek to Little Creek Swamp

21-(1)b

C

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Newport River

From Little Creek Swamp to DEH closure line

21-(17)a

SA;HQW

31.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Newport River From DEH closure line to DEH Conditionally Approved Closed line
21-(17)b1 SA;HQW 579.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Newport River From DEH closure line to DEH Conditionally Approved Closed line
21-(17)b2 SA;HQW 407.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Newport River From DEH Conditionally approved closed line to DEH Conditionally approved open line extending from Penn Point to west mouth of Core Creek
21-(17)c SA;HQW 2,701.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Newport River From DEH conditionally approved open line extending from Penn Point to the west shore of Core Creek to the Atlantic Ocean excluding closed areas around Morehead City and Beaufort
21-(17)d1a SA;HQW 3,194.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f

Newport River Prohibited Area at mouth of Russel Creek
21-(17)d1b SA;HQW 3,194.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Newport River

From DEH conditionally approved open line extending from Penn Point to the west shore of Core Creek to the Atlantic Ocean excluding closed areas around Morehead City and Beaufort

21-(17)d2

SA;HQW

302.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Newport River

From DEH conditionally approved open line extending from Penn Point to the west shore of Core Creek to the Atlantic Ocean excluding closed areas around Morehead City and Beaufort. Deerfield Shores Marina

21-(17)d3

SA;HQW

0.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Newport River

DEH closed area north of Morehead City Harbor restricted area including Crap Point Thorofare and Calico Creek Marsh to Hwy 70 Bridge.

21-(17)e1

SA;HQW

19.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Newport River

From DEH conditionally approved open line extending from Penn Point to the west shore of Core Creek to the Atlantic Ocean excluding closed areas around Morehead City and Beaufort

21-(17)e2

SA;HQW

671.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Newport River

DEH closed area from Hwy 70 Bridge to a line extending from the south point of Radio Island to Fort Macon including Morehead City Channel

21-(17)f

SA;HQW

220.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Newport River

DEH closed area around Gallant Point south to Hwy 70 Bridge including Beaufort Channel

21-(17)g1

SA;HQW

30.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Newport River

DEH closed area around Gallant Point south to Hwy 70 Bridge including Beaufort Channel

21-(17)g2

SA;HQW

136.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Newport River

Deh closed area south of Hwy 70 Bridge and west of Pivers Island including Bulkhead Channell

21-(17)h

SA;HQW

198.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Exceeding Criteria	Posting>=61	Recreation Advisory Postings (Pathogen Indicator	4cs
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Newport River Restricted Area (Morehead City Harbor)

All waters within a line beginning at a point of land near the south end of 11th street in Morehead City at Lat. 34 43' 08" Long. 76 43' 04"; thence in straight line to the west

21-31

SC

126.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

North Leopard Creek

From source to Ward Creek

21-35-1-7-2a

SA;HQW

10.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North Leopard Creek

From source to Ward Creek

21-35-1-7-2b

SA;HQW

86.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

North River

From source to DEH closure line south of Crabbing Creek

21-35-1a1

SA;HQW

198.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

North River

From source to DEH closure line south of Crabbing Creek

21-35-1a2

SA;HQW

114.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

North River

From DEH closure line south of Crabbing Creek to Back Sound excluding DEH conditionally approved closed and closed areas between Davis Bay and North River Marsh. Fishermans Island Marina and Coats Landing Harbor on west side of Harkers Island

21-35-1b2

SA;HQW

7.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

North River

From DEH closure line south of Crabbing Creek to Back Sound excluding DEH conditionally approved closed and closed areas between Davis Bay and North River Marsh. CAC area at mouth of Thomas Creek

21-35-1b3

SA;HQW

12.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North River

From DEH closure line south of Crabbing Creek to Back Sound excluding DEH conditionally approved closed and closed areas between Davis Bay and North River Marsh

21-35-1b4

SA;HQW

5,898.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Arsenic (10 µg/l, HH, NC)	3e
Exceeding Criteria	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	5e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North River

From DEH closure line south of Crabbing Creek to Back Sound excluding DEH conditionally approved closed and closed areas between Davis Bay and North River Marsh

21-35-1b5

SA;HQW

192.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

North River

From DEH closure line south of Crabbing Creek to Back Sound excluding DEH conditionally approved closed and closed areas between Davis Bay and North River Marsh. Canal on west of river

21-35-1b6

SA;HQW

1.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

North River

From DEH closure line south of Crabbing Creek to Back Sound excluding DEH conditionally approved closed and closed areas between Davis Bay and North River Marsh

21-35-1b7

SA;HQW

1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator)	1
Exceeding Criteria	Ent 5in30 GM>35	Enterococcus (GM 35, REC, SW)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

North River

DEH conditionally approved closed area between Davis Bay and North River Marsh

21-35-1c1

SA;HQW

49.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

North River

DEH conditionally approved closed area between Davis Bay and North River Marsh

21-35-1c2

SA;HQW

17.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North River DEH closed area between Davis Bay and North River Marsh

21-35-1d1 SA;HQW 50.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

North River DEH closed area between Davis Bay and North River Marsh

21-35-1d2 SA;HQW 138.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

North River DEH conditionally approved closed area ato mouth of Newby Creek

21-35-1e SA;HQW 27.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Northeast Creek From source to N. C. Hwy. 24 (10.2621002197266 S Miles)

19-16-(0.5) SC;NSW 62.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Northwest Prong Newport River From source to Newport River

21-2 C 3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1

Oyster Creek From source to Newport River

21-23a SA;HQW 28.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Oyster Creek

From source to Newport River

21-23b

SA;HQW

22.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Oyster Creek

From source to Core Sound

21-35-7-18

SA;ORW

128.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Parrot Swamp

From source to DEH closure line.

19-41-16-4a

SA;HQW

65.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Parrot Swamp

From DEH closure line to Queen Creek

19-41-16-4b

SA;HQW

46.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Pasture Branch

From source to Queen Creek

19-41-16-2

SA;HQW

1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Pettiford Creek

From source to Pettiford Creek Bay

20-29-1

SA;HQW

41.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pettiford Creek Bay Entire Bay
20-29 SA;HQW 239.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Pitts Creek (Hargetts Creek) From source to White Oak River (0.3 S Miles)
20-21 SA;HQW 1.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Queen Creek DEH closed area from source to DEH Conditionally Approved closed line at Queens Creek Road Bridge.
19-41-16a SA;HQW 283.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Queen Creek From DEH Conditionally Approved closed line at Queens Creek Road Bridge to DEH Conditionally Approved Open line at northeast mouth of Parrot Swamp.
19-41-16b1 SA;HQW 150.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Queen Creek From DEH Conditionally Approved closed line at Queens Creek Road Bridge to DEH Conditionally Approved Open line at northeast mouth of Parrot Swamp.
19-41-16b2 SA;HQW 11.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Queen Creek From DEH Conditionally Approved Open line at northeast mouth of Parrot Swamp to Intracoastal Waterway.
19-41-16c SA;HQW 283.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	4t



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Queen Creek

DEH closed area at mouth of Dicks Creek

19-41-16d

SA;HQW

3.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Rawson Creek

From source to Core Sound

21-35-7-35

SA;ORW

17.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Roosevelt Natural Area Swamp

All of the saline waters within the boundaries of the natural area including brackish marsh and salt marsh

20-36-9.5-(2)

SA;Sw,ORW

48.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Russell Creek

From source to Newport River

21-26a

SA;HQW

16.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Russell Creek

From source to Newport River

21-26b

SA;HQW

2.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Sanders Creek

From source to Bogue Sound

20-36-6a

SA;ORW

17.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Sanders Creek

From source to Bogue Sound

20-36-6b

SA;ORW

19.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Sanders Creek (Goose Creek)

From source to Goose Creek (0.75 S Miles)

20-36-4-1

SA;HQW

4.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Sandy Branch

From source to Hannah Branch (0.7 S Miles)

20-36-7-1-1-1

SA;HQW

4.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Saunders Creek

From Bear Creek to Intracoastal Waterway

19-41-12

SA;HQW

163.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Schoolhouse Branch

From source to Hadnot Creek (0.7 S Miles)

20-23-1

SA;HQW

4.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Shacklefoot Channel

From Bear Creek to Intracoastal Waterway

19-41-9

SA;HQW

81.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Sheep Pen Creek

From source to Core Sound

21-35-7-32

SA;ORW

127.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Sikes Branch

From source to East Prong Sanders Creek

20-36-6-1-1

SA;HQW

1.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Sleepy Creek

From source to The Straits

21-35-1-12-1a

SA;HQW

144.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Sleepy Creek

From source to The Straits

21-35-1-12-1b

SA;HQW

7.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Sleepy Creek

From source to The Straits. Marshallberg Boat Harbor

21-35-1-12-1c

SA;HQW

4.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Smiths Swamp

From source to Newport River

21-9

C

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Smyrna Creek

From source to Jarrett Bay

21-35-7-22-1

SA;HQW

28.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t

South Leopard Creek

From source to Ward Creek

21-35-1-7-3

SA;HQW

79.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Spit Bay

Entire Bay

21-35-7-21

SA;HQW

37.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Spooner Creek

From source to Bogue Sound

20-36-10

SA;HQW

28.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Starkey Creek

From source to Pettiford Creek Bay

20-29-2

SA;HQW

31.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Starkeys Creek

From source to White Oak River

20-10

C

6.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Steep Hill Branch From source to Hadnot Creek (0.8 S Miles)

20-23-2 SA;HQW 4.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Stevens Creek From source to White Oak River

20-28 SA;HQW 6.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

Tar Landing Bay Entire Bay

20-36-15 SA;HQW 115.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Taylor Bay Entire Bay

20-36-3 SA;ORW 81.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Taylor Creek From source to Newport River (The mouth of Taylor Creek is defined as beginning at a point of land on the north shore at Lat. 34 43' 07" Long. 76 40' 13" thence across the creek)

21-34 SC 166.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Ent 5in30 GM>35	Enterococcus (GM 35, REC, SW)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

The Ditch From Lighthouse Bay to Blinds Hammock Bay

21-35-6-1 SA;ORW 87.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

The Straits

From Core Sound to North River excluding conditionally approved open section in north west portion adjacent to North River

21-35-1-12a1

SA;HQW

1,720.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

The Straits

From Core Sound to North River excluding conditionally approved open section in north west portion adjacent to North River

21-35-1-12a2

SA;HQW

2.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

The Straits

Conditionally approved open section in north west portion adjacent to North River

21-35-1-12b

SA;HQW

94.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

The Swash

Entire Bay

21-35-7-15

SA;ORW

113.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Thomas Creek

From source to North River

21-35-1-5a

SA;HQW

4.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Thomas Creek

From source to North River

21-35-1-5b

SA;HQW

0.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Town Creek Area on side of creek
21-33a SC 8.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Posting>=61	Recreation Advisory Postings (Pathogen Indicator	4cs
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Try Yard Creek From source to Codds Creek
21-35-7-33-1 SA;ORW 8.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Turner Creek From source to Davis Bay
21-35-1-11-1 SA;HQW 51.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Tush Creek From source to Core Sound
21-35-7-25 SA;ORW 42.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Wade Creek From source to DEH closure line
21-35-7-22-7a SA;HQW 25.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t

Wade Creek From DEH closure line to Jarrett Bay
21-35-7-22-7b SA;HQW 117.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Wading Creek

From source to Newport River

21-27

SA;HQW

19.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Ward Creek

From source to North River

21-35-1-7a

SA;HQW

214.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (25 NTU, AL, FW acres & SW)	5
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Arsenic (10 µg/l, HH, NC)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Ward Creek

From source to North River

21-35-1-7b

SA;HQW

366.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Ware Creek

From source to Newport River

21-25

SA;HQW

42.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

West Prong Broad Creek

From source to Broad Creek

20-36-7-1

SA;HQW

11.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Westmouth Bay

Entire Bay with the exception of DEH closed area on south side of Bay

21-35-1-12-3a

SA;HQW

385.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Westmouth Bay

DEH closed area on south side of Bay. Taylors Boat Dock and Railway

21-35-1-12-3b1

SA;HQW

2.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Westmouth Bay

Entire Bay with the exception of DEH closed area on south side of Bay. NC Shellfish Enterprises

21-35-1-12-3b2

SA;HQW

4.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Whale Creek

From source to Back Sound

21-35-2

SA;ORW

33.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

WHITE OAK RIVER

From source to US 17

20-(1)a

C

11.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

WHITE OAK RIVER

From US 17 to Spring Branch

20-(1)b

C

10.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

WHITE OAK RIVER

DEH closed area from Hunters Creek to DEH closure line.

20-(18)a1

SA;HQW

792.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (6.8 su, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (5 mg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	1
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

WHITE OAK RIVER

DEH closed area from Hunters Creek to DEH closure line.

20-(18)a2

SA;HQW

1,177.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	4t



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

WHITE OAK RIVER From DEH closure line to DEH Conditionally Approved Closed line.

20-(18)b SA;HQW 230.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	4t

WHITE OAK RIVER From DEH Conditionally Approved Closed line to the DEH Conditionally Approved Open line

20-(18)c1 SA;HQW 183.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	4t

WHITE OAK RIVER From DEH Conditionally Approved Closed line to the DEH Conditionally Approved Open line

20-(18)c3 SA;HQW 1,849.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

WHITE OAK RIVER From DEH Conditionally Approved Closed line to the DEH Conditionally Approved Open line

20-(18)c4 SA;HQW 26.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t

WHITE OAK RIVER From DEH Conditionally Approved Closed line to the DEH Conditionally Approved Open line

20-(18)c5 SA;HQW 28.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

WHITE OAK RIVER From DEH Conditionally Approved Closed line to the DEH Conditionally Approved Open line

20-(18)c6 SA;HQW 31.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

WHITE OAK RIVER

From DEH Conditionally Approved Closed line to the DEH Conditionally Approved Open line. Prohibited Area at Hwy 24 Bridge

20-(18)c7

SA;HQW

21.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

WHITE OAK RIVER

From DEH Conditionally Approved Closed line to the DEH Conditionally Approved Open line. Prohibited area Dolphin Bay Estates and Canal

20-(18)c8

SA;HQW

6.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

WHITE OAK RIVER

DEH closed area adjacent to the east side of the White Oak River Restricted Area

20-(18)d

SA;HQW

7.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

WHITE OAK RIVER

From the DEH Conditionally Approved Open line to the Atlantic Ocean excluding the ICWW

20-(18)e1

SA;HQW

755.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

WHITE OAK RIVER

From the DEH Conditionally Approved Open line to the Atlantic Ocean excluding the ICWW

20-(18)e2

SA;HQW

31.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	4t

WHITE OAK RIVER

From the DEH Conditionally Approved Open line to the Atlantic Ocean excluding the ICWW. Dudley's Marina and Boataminiums

20-(18)e3

SA;HQW

5.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4t



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White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

White Oak River Restricted Area

That portion of White Oak River within an area bounded by a line running in an easterly direction from a point below Foster Creek to east end of Swansboro Bridge (N.C. Hwy. 24)

20-32 SC 267.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Whitehurst Creek

From source to The Straits

21-35-1-12-2a SA;HQW 80.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Whitehurst Creek

From source to The Straits

21-35-1-12-2b SA;HQW 12.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Willis Creek

From source to Newport River

21-29 SA;HQW 17.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Williston Creek

From source to Jarrett Bay

21-35-7-22-6 SA;HQW 27.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	4cs
Exceeding Criteria	SH GM>14 or 10%tile >43	Fecal Coliform (GM 14 or 43, SH, SA)	4t

Wolf Branch

From source to West Prong Broad Creek (1 S Miles)

20-36-7-1-2 SA;HQW 6.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

White Oak River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Zack Creek

From source to Core Sound

21-35-7-30

SA;ORW

42.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Alligator Bay

Bay south of ICWW

19-39-3a

SA;ORW

260.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Alligator Bay

Remainder of bay north of ICWW

19-39-3b1

SA;ORW

22.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Alligator Bay

DEH closure area at mouth of Mill Creek.

19-39-3b2

SA;ORW

8.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Alligator Bay

Bay north of ICWW except DEH closure area at mouth of Mill Creek.

19-39-3c

SA;ORW

305.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Atlantic Ocean

Dolphin Court in Kure Beach to Spartanburg Avenue in Carolina Beach

99-(3)b

SB

3.2 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Atlantic Ocean

From Spartanburg Avenue in Carolina Beach to Myrtle Drive in North Topsail Beach

99-(3)c

SB

40.1 Atlantic Coast

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Banks Channel

From New Topsail Inlet to Topsail Sound excluding prohibited area at Annamarina

18-87-10-1a1

SA;HQW

273.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Banks Channel

Doctors Yacht Basin

18-87-10-1a2

SA;HQW

5.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Banks Channel

South Topsail Beach Canals

18-87-10-1a3

SA;HQW

33.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Banks Channel

Prohibited area at Annamarina

18-87-10-1b

SA;HQW

4.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Banks Channel

Entire Channel south of the Wrightsville Recreational Area

18-87-24-3a

SA;HQW

110.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Posting>=61	Recreation Advisory Postings (Pathogen Indicator	4cs
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Banks Channel area around RECMON station S22B

Entire Channel south of the Wrightsville Recreational Area

18-87-24-3b

SA;HQW

1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Batts Mill Creek (Barlow Creek)

From source to Intracoastal Waterway

18-87-6

SA;HQW

40.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Beckys Creek (Bishops Creek)

From source 0.5 miles inland Intracoastal Waterway

18-87-8a

SA;HQW

42.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Beckys Creek (Bishops Creek)

From 0.5 miles inland of ICWW to Intracoastal Waterway

18-87-8b

SA;HQW

66.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Biglins Creek

From source to Fullard Creek

19-39-4-1-1

SA;HQW

6.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Brinson Creek

From source to New River (2.88948011398315 S Miles)

19-12

SC;NSW

17.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	5
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Bumps Creek

From source to Fullard Creek

19-39-4-1-3

SA;HQW

15.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Butler Creek

From Nixon Channel to Intracoastal Waterway

18-87-18

SA;ORW

30.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Carolina Beach Yacht Basin

All waters beginning at a point on the northern side of Snows Cut and running directly east across the Intracoastal Waterway to a point on the eastern side, thence follow

18-87-31.2

SB

102.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Cedar Snag Creek

From Green Channel to Intracoastal Waterway

18-87-17

SA;ORW

3.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Chadwick Bay

Entire Bay

19-39-4a

SA;HQW

861.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Chadwick Bay

DEH prohibited areas at Bayshore Marina and Bayshore Canal

19-39-4b

SA;HQW

3.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Charles Creek

From source to Fullard Creek

19-39-4-1-2

SA;HQW

41.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

County Line Branch

From source to Batts Mill Creek

18-87-6-1

SA;HQW

1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Courthouse Bay

Entire Bay except for DEH closure area in south arm of bay.

19-36a

SA;HQW

188.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Courthouse Bay

DEH closure area in south arm of bay.

19-36b

SA;HQW

2.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Cypress Branch

From source to Batts Mill Creek

18-87-6-2

SA;HQW

1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Ellis Cove

Entire Cove

19-33

SA;HQW

111.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Everett Bay

Entire Bay excluding that portion in King Creek Restricted Area

18-87-2

SA;ORW

240.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Everett Creek From source to Intracoastal Waterway

18-87-29 SA;HQW 0.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Everett Creek From source to New River

19-32 SA;HQW 83.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Fannie Creek From source to New River

19-34 SA;HQW 10.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Fullard Creek (Salt Branch) From source to DEH closure line at west side of mouth of Charles Creek.

19-39-4-1a SA;HQW 74.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Fullard Creek (Salt Branch) From DEH closure line at west side of mouth of Charles Creek to Chadwick Bay.

19-39-4-1b1 SA;HQW 81.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Fullard Creek (Salt Branch) Small embayments at northeast mouth of Fullard Creek at Bayshore Marina and Raquet Club

19-39-4-1b2 SA;HQW 2.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Fullard Creek (Salt Branch)

Small embayments at northeast mouth of Fullard Creek.

19-39-4-1c

SA;HQW

4.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Futch Creek

From source to 0.35 miles inland of Intracoastal Waterway

18-87-19a

SA;HQW

13.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Futch Creek

From 0.35 miles inland of Intracoastal Waterway to ICWW

18-87-19b

SA;HQW

14.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Gillets Creek

From source to Intracoastal Waterway

19-41-4

SA;HQW

6.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Goose Bay

Entire Bay

19-39-2

SA;ORW

38.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Green Channel

From Rich Inlet to Intracoastal Waterway

18-87-16

SA;ORW

111.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



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New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hardison Creek

From source to Intracoastal Waterway

18-87-5

SA;HQW

11.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Harris Creek

From source to Southwest Creek

19-17-3

C;NSW

5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1

Hell Gate Creek

From source to Intracoastal Waterway

19-39-5

SA;HQW

14.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Hewletts Creek

From source to 0.5 miles inland of Intracoastal Waterway

18-87-26a

SA;HQW

78.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Natural	Benthos (Nar, AL, FW)	1
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Hewletts Creek

From 0.5 miles inland of ICWW to Intracoastal Waterway

18-87-26b

SA;HQW

19.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Holover Creek

From source to Salliers Bay

19-41-3-1

SA;HQW

6.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Howard Bay Entire Bay
19-41-1 SA;HQW 56.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Howard Channel From Old Topsail Inlet to Intracoastal Waterway
18-87-13 SA;ORW 38.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Howe Creek From source to downstream of station HW DT
18-87-23a SA;ORW 1.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Data Inconclusive	> 10% and < 90% conf	Dissolved Oxygen (5 mg/l DA, AL, FW)	3a
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Data Inconclusive	Not assessed	Fecal Coliform (GM 200/400, REC, FW)	3z1
Data Inconclusive	Not assessed	Fecal Coliform (GM 14 or 43, SH, SA)	3z1



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Howe Creek

From downstream of station HW DT to between Station HWGP and HWFP

18-87-23b

SA;ORW

17.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (5 mg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Data Inconclusive	Not assessed	Fecal Coliform (GM 200/400, REC, FW)	3z1
Data Inconclusive	Not assessed	Fecal Coliform (GM 14 or 43, SH, SA)	3z1

Howe Creek

From between Station HWGP and HWFP to ICWW

18-87-23c

SA;ORW

11.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l DA, AL, FW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Data Inconclusive	Not assessed	Fecal Coliform (GM 200/400, REC, FW)	3z1
Data Inconclusive	Not assessed	Fecal Coliform (GM 14 or 43, SH, SA)	3z1

Intracoastal Waterway

From Morris Landing to the eastern mouth of Old Topsail Creek

18-87-(5.5)

SA;HQW

159.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Intracoastal Waterway From southern edge of White Oak River Basin to Morris Landing
18-87 SA;ORW 76.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Intracoastal Waterway From the eastern mouth of Old Topsail Creek to the western mouth of Howe Creek
18-87-(11.5) SA;ORW 112.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Intracoastal Waterway Growing area south of Wrightsville Recreation area and east of ICWW
18-87-(23.5)a SA;HQW 52.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Intracoastal Waterway Prohibited area north of Wrightsville Reacreation area
18-87-(23.5)b SA;HQW 63.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Intracoastal Waterway Conditional area south of Wrightsville Recreation area and west of ICWW.
18-87-(23.5)c SA;HQW 70.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Intracoastal Waterway From the southwest mouth of Shinn Creek to the Intracoastal Waterway channel marker # 153
18-87-(25.5) SA;ORW 310.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Intracoastal Waterway

From the Intracoastal Waterway channel marker # 153 to Cape Fear River at western end of Snows Cut, exclusive of that portion in the Carolina Beach Yacht Basin and Snows Cut

18-87-(30.5)

SA;HQW

26.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Intracoastal Waterway

From northeastern boundary of Cape Fear River Basin to Daybeacon #17 including all unnamed bays guts and channels

19-39-(0.5)

SA;ORW

84.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Intracoastal Waterway

From Daybeacon #17 to DEH conditionally approved open line at north mouth of Chadwick Bay including all unnamed bays guts and channels

19-39-(3.5)a1

SA;HQW

81.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Intracoastal Waterway

Prohibited area south of ICWW at Marina Way and Tradewinds Drive

19-39-(3.5)a2

SA;HQW

11.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Intracoastal Waterway

From DEH conditionally approved open line at north mouth of Chadwick Bay to New River

19-39-(3.5)b1

SA;HQW

9.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Intracoastal Waterway	From DEH conditionally approved open line at north mouth of Chadiwick Bay to New River		
19-39-(3.5)b2	SA;HQW	28.6	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Intracoastal Waterway	From DEH conditionally approved open line at north mouth of Chadiwick Bay to New River. Prohibited area at New River Marina Swan Point Marina		
19-39-(3.5)b3	SA;HQW	1.6	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Intracoastal Waterway	From New River to DEH closure line at southwest mouth of Salliers bay		
19-41-(0.5)a1	SA;HQW	85.8	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Intracoastal Waterway	From New River to DEH closure line at southwest mouth of Salliers bay		
19-41-(0.5)a2	SA;HQW	19.3	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Intracoastal Waterway	From DEH closure line at southwest mouth of Salliers Bay to DEH Conditionally Approved Open area line northeast of mouth of Salliers Bay		
19-41-(0.5)b	SA;HQW	20.1	S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Intracoastal Waterway

From DEH Conditionally Approved Open area line northeast of mouth of Salliers Bay to subbasin boundary

19-41-(0.5)c1

SA;HQW

145.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Intracoastal Waterway

From DEH Conditionally Approved Open area line northeast of mouth of Salliers Bay to subbasin boundary

19-41-(0.5)c2

SA;HQW

16.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

John Creek

From source to Intracoastal Waterway

18-87-30

SA;ORW

5.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Northeast Creek

From source to Northeast Creek

19-16-2

C;NSW

8.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	pH (6 su, AL, FW)	3a
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Moderate	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	Dissolved Oxygen (NA, AL, swamp)	3a

Long Point Channel

From Old Topsail Inlet to Intracoastal Waterway

18-87-15

SA;ORW

16.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Masonboro Channel

From Masonboro Inlet to Intracoastal Waterway

18-87-27

SA;ORW

216.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Masonboro Sound ORW Area

East of ICWW

18-87-25.7a

SA;ORW

285.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Masonboro Sound ORW Area

Three prohibited areas inland of ICWW

18-87-25.7b

SA;ORW

99.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Masonboro Sound ORW Area

West of ICWW- two northern Approved Areas

18-87-25.7c1

SA;ORW

S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Masonboro Sound ORW Area

West of ICWW- Southern Conditional Area

18-87-25.7c2

SA;ORW

S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Masonboro Sound ORW Area

Prohibited area at mouth of Whiskey Creek

18-87-25.7d

SA;ORW

64.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Middle Sound Southeast of ICWW Prohibited Area

18-87-21a1 SA;ORW 5.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Middle Sound Southeast of ICWW Approved Area

18-87-21a2 SA;ORW 69.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Middle Sound All waters between Howe Creek and Lees Cut-description in draft

18-87-21b SA;ORW 139.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Middle Sound Waters on north side of ICWW from Lees Cut to 0.2 miles west of Howe Creek.

18-87-21c1 SA;ORW 32.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Middle Sound Waters on north side of ICWW from 0.2 miles west of Howe Creek to Howe Creek

18-87-21c2 SA;ORW 6.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Mile Hammock Bay Entire Bay except for DEH closed rectangular area on north side of bay.

19-41-2a SA;HQW 7.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mile Hammock Bay

Closed DEH rectangular area on north side of bay

19-41-2b

SA;HQW

66.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Mill Creek (Alligator Bay)

From source to Alligator Bay

19-39-3-1

SA;HQW

22.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Mill Creek (Betts Creek)

From source to Intracoastal Waterway

18-87-14

SA;HQW

18.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Mill Creek (Stones Bay)

From source to Stones Bay

19-30-1

SA;HQW

39.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Millstone Creek

From source to Stones Creek

19-30-3-1

SA;HQW

8.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Muddy Creek

From source to Stones Bay

19-30-2

SA;HQW

18.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mullett Run

From source to Virginia Creek

18-87-9-1

SA;HQW

7.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Myrtle Sound Shellfishing Area

South of ICWW

18-87-31a

SA;HQW

109.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Myrtle Sound Shellfishing Area

North of ICWW

18-87-31b

SA;HQW

65.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Exceeding Criteria	Ent 5in30 GM>35	Enterococcus (GM 35, REC, SW)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

New River

From source to Squires Run

19-(1)a

C;NSW

14.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

New River

From Squires Run to Blue Creek

19-(1)b

C;NSW

14.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1b
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

New River

From U. S.Hwy. 17 bridge to Atlantic Coast Line Railroad Trestle

19-(10.5)

SB;HQW,NSW

48.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4b
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

New River

From Atlantic Coast Line Railroad Trestle to Mumford Point

19-(11)

SC;HQW,NSW

574.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4b
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

New River

From Mumford Point to a line extending across the river from Grey Point to point of land approximately 2200 yards downstream from mouth of Duck Creek

19-(15.5)

SC;NSW

6,580.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Cadmium (5 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1b
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

New River

From a line extending across New River from Grey Point to a point of land approximately 2200 yards downstream from mouth of Duck Creek to Atlantic Ocean; including all unnamed bay

19-(27)a1

SA;HQW

5,738.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

New River

From a line extending across New River from Grey Point to a point of land approximately 2200 yards downstream from mouth of Duck Creek to Atlantic Ocean; including all unnamed bay

19-(27)a2

SA;HQW

49.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

New River

From a line extending across New River from Grey Point to a point of land approximately 2200 yards downstream from mouth of Duck Creek to Atlantic Ocean; including all unnamed bay Prohibited area at Old Ferry Marina

19-(27)a3

SA;HQW

4.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

New River

From a line extending across New River from Grey Point to a point of land approximately 2200 yards downstream from mouth of Duck Creek to Atlantic Ocean; including all unnamed bay. Prohibited area at Swan Point Marina

19-(27)a4

SA;HQW

5.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

New River

From Everett Bay to DEH closure line.

19-(27)b

SA;HQW

2.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

New River From Fannie Creek and Wheeler Creek to DEH closure line.

19-(27)c SA;HQW 50.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

New River From Blue Creek to U. S. Hwy. 17 bridge

19-(7) SB;NSW 116.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4b
Exceeding Criteria	> 10% and >90 conf	Copper (3 µg/l, AL, SW)	5
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Exceeding Criteria	Ent 5in30 GM>35	Enterococcus (GM 35, REC, SW)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Nixon Channel

From Rich Inlet to Intracoastal Waterway

18-87-20

SA;ORW

181.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Nixons Creek

From source to Intracoastal Waterway

18-87-11

SA;HQW

5.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Northeast Creek

From N. C. Hwy.24 to a line crossing Northeast Creek downstream of NC 24.

19-16-(3.5)a

SC;HQW,NSW

400.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4b
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	pH (6.8 su, AL, SW)	3a
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Northeast Creek

From a line crossing Northeast Creek 1.8 miles downstream of NC 24 to downstream side of mouth of Scales Creek

19-16-(3.5)b

SC;HQW,NSW

280.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4b
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Copper (3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Northeast Creek

From the downstream side of mouth of Scales Creek to New River

19-16-(4.5)

SC;NSW

451.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4b
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Old Mill Creek

From source to Intracoastal Waterway

18-87-7

SA;HQW

0.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Old Topsail Creek

From source to 0.5 miles inland of ICWW to Intracoastal Waterway

18-87-12a

SA;HQW

16.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Old Topsail Creek From 0.5 miles inland of Intracoastal Waterway to ICWW
18-87-12b SA;HQW 12.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Pages Creek From source to 0.5 miles inland of Intracoastal Waterway
18-87-22a SA;HQW 48.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Pages Creek From 0.5 miles inland of ICWW to Intracoastal Waterway
18-87-22b SA;HQW 28.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Rogers Bay At mouth
19-39-1a SA;HQW 4.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Rogers Bay Entire Bay
19-39-1b SA;HQW 41.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Salliers Bay Entire Bay
19-41-3 SA;HQW 60.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Shinn Creek

From Masonboro Inlet to Intracoastal Waterway

18-87-25

SA;HQW

87.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1

Sneads Creek

From source to Ellis Cove Bay

19-33-1

SA;HQW

43.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Snows Cut

From Carolina Beach Yacht Basin to Cape Fear River

18-87-31.5

SC

60.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1



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New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Southwest Creek

From Mill Run to New River

19-17-(6.5)

SC;NSW,HQW

594.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4b
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Data Inconclusive	> 10% and < 90% conf	Dissolved Oxygen (5 mg/l, AL, SW)	3a
Data Inconclusive	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	3a
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Stones Bay

Entire Bay except for the area enclosed by the DEH closure at the mouth of Stones Creek.

19-30a1

SA;HQW

1,776.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Stones Bay

Entire Bay except for the area enclosed by the DEH closure at the mouth of Stones Creek.

19-30a2

SA;HQW

13.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Stones Bay

From Stones Creek to DEH closure line.

19-30b

SA;HQW

32.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Stones Creek

From source to Stones Bay

19-30-3

SA;HQW

76.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Stump Sound

Entire Sound excluding that portion in King Creek Restricted Area

18-87-3

SA;ORW

87.3 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Stump Sound ORW Area

All waters between the s edge of the White Oak RB to the western end of Permuda Is. exclusive of the restricted area

18-87-0.5

SA;ORW

939.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Exceeding Criteria	Ent 5in30 GM>35	Enterococcus (GM 35, REC, SW)	5
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Toms Creek

From source to Traps Bay (0.423374343598131 S Miles)

19-38-2

SA;HQW

2.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Topsail Sound

Sound south of ICWW and east of NC50 Approved Shellfish Growing Area

18-87-10a2a

SA;HQW

S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	5

Topsail Sound

Sound south of ICWW and east of NC50 Prohibited Shellfish Growing Area

18-87-10a2b

SA;HQW

S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Topsail Sound

Prohibited area around 210 bridge

18-87-10a3

SA;HQW

3.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Topsail Sound

Conditional area at Surf City Marina

18-87-10a4

SA;HQW

2.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Topsail Sound

Surf City Marina

18-87-10a5

SA;HQW

2.4 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5



Final 2016 Integrated Report-All Assessed Waters

New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Topsail Sound Prohibited areas at Queens Grant and Hwy 210 Bridge
18-87-10b SA;HQW 56.2 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Topsail Sound Entire Sound north of ICWW
18-87-10c SA;HQW 1,144.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Topsail Sound Conditional areas at mouth of Batts Mill Creek and at Hwy 210 Bridge
18-87-10d SA;HQW 12.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Topsail Sound and Middle Sound ORW Area South of ICWW
18-87-11.7a SA;ORW 444.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Topsail Sound and Middle Sound ORW Area Prohibited area north of ICWW
18-87-11.7b SA;ORW 2.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Topsail Sound and Middle Sound ORW Area North of ICWW
18-87-11.7c SA;ORW 272.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5



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New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Topsail Sound and Middle Sound ORW Area Prohibited area on northside of ICWW

18-87-11.7d SA;ORW 2.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Topsail Sound and Middle Sound ORW Area Prohibited area at mouth of Mill Creek

18-87-11.7e SA;ORW 2.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Topsail Sound and Middle Sound ORW Area Prohibited area at Figure Eight Island Marina

18-87-11.7f SA;ORW 6.8 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Traps Bay Entire Bay

19-38 SA;HQW 500.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Traps Creek From source to Traps Bay

19-38-1 SA;HQW 11.1 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Turkey Creek From source to 0.25 miles inland of Intracoastal Waterway to ICWW

18-87-1a SA;ORW 79.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5



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New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Turkey Creek From 0.25 miles inland of ICWW to Intracoastal Waterway

18-87-1b SA;ORW 59.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Virginia Creek From source to 0.75 miles inland of Intracoastal Waterway

18-87-9a SA;HQW 23.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Virginia Creek From 0.75 miles inland of ICWW to Intracoastal Waterway

18-87-9b SA;HQW 73.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH CAC	Shellfish Growing Area Status (Fecal, SH, SA)	5

Wards Channel From Intracoastal Waterway to New River

19-40 SA;HQW 97.5 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Wheeler Creek From source to New River

19-35 SA;HQW 12.9 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5

Whiskey Creek (Purviance Creek) From source to Intracoastal Waterway

18-87-28 SA;HQW 13.0 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	SH PRO	Shellfish Growing Area Status (Fecal, SH, SA)	5
Meeting Criteria	Ent AP GM<=35	Enterrococcus (GM 35, REC, SW)	1



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New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Wilson Bay

Entire Bay

19-14

SC;HQW,NSW

108.6 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	4b
Data Inconclusive	> 10% and < 90% conf	Chromium (20 µg/l, AL, SW)	3e
Exceeding Criteria	> 10% and < 90% conf	Copper (3 µg/l, AL, SW)	5e
Data Inconclusive	> 10% and < 90% conf	Nickel (8.3 µg/l, AL, SW)	3e
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (86 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Nickel (8.3 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (5 µg/l, AL, SW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	pH (6.8 su, AL, SW)	1
Meeting Criteria	< 10%	pH (8.5, AL, SW)	1
Meeting Criteria	< 10%	Chromium (20 µg/l, AL, SW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1



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New River Subbasin

White Oak River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Wrightsville Recreational Area (including Lees Cut, MOtts Channel and portions of Banks Channel)

In any waters within a line beginning at a point on the mainland along the Intracoastal Waterway 1400 feet north of the U.S. Hwy. 74-76 bridge extending directly across t

18-87-24 SB:# 478.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Posting<61	Recreation Advisory Postings (Pathogen Indicator	1
Meeting Criteria	Ent AP GM<=35	Enterococcus (GM 35, REC, SW)	1

Topsail Sound

Entire Sound south of ICWW and west of NC50

18-87-10a1 SA;HQW 1,190.7 S Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	SH APP	Shellfish Growing Area Status (Fecal, SH, SA)	1

Yadkin River Headwaters Subbasin 03040101 Yadkin-Pee Dee River Basin

Ararat River

From N.C.-Va. State Line to the mouth of Johnson Creek

12-72-(1) WS-IV;Tr 2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Ararat River

From a point 0.1 mile upstream of Surry County SR 2080 to Yadkin River

12-72-(18)

WS-IV

2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Arsenic (10 µg/l, HH, NC)	4t
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Total Suspended Solids	4t
Data Inconclusive	Not assessed	Turbidity (50 NTU, AL, FW miles)	4i

Ararat River

From Town of Mount Airy proposed water supply intake to Seed Cane Creek

12-72-(4.5)a1

C

4.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Ararat River

From Seed Cane Creek to Rutledge Creek

12-72-(4.5)a2

C

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	5
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Ararat River

From Rutledge Creek to Stoney Creek 12-72-12

12-72-(4.5)a3

C

6.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Ararat River

From Stoney Creek 12-72-12 to a point 0.1 mile upstream of Surry County SR 2080

12-72-(4.5)b

C

13.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Total Suspended Solids	3t
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3i
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Beaver Creek

From source to Yadkin River

12-25

C;Tr

9.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Beaver Creek	From source to Fisher River		
12-63-12	C	5.8	FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Big Bugaboo Creek	From a point 0.3 mile upstream of Wilkes County SR 1931 to Yadkin River		
12-48-(0.7)	WS-IV	5.2	FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Big Warrior Creek	From source to Warrior Creek		
12-29-1	C	6.5	FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Buffalo Creek	From source to Yadkin River		
12-19	C;Tr	14.9	FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Bull Creek	From source to Ararat River		
12-72-15	C	8.7	FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Burris Creek	From source to Fisher River		
12-63-8	WS-II;Tr,HQW	4.4	FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cedar Creek From Davie County SR 1410 to Dutchman Creek
12-102-13-(2) C 7.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

Chinquapin Creek From source to Toms Creek
12-72-14-3 WS-II;HQW 4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Christian Creek (North Fork Mitchell River) From source to Mitchell River
12-62-8 B;Tr,ORW 5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Coal Creek From Wilkes County SR 1346 to North Prong Lewis Fork
12-31-1-9-(2) WS-IV 4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Cody Creek From source to Fisher River
12-63-14 C 7.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Crooked Run Creek

From source to Yadkin River

12-77-4

WS-IV

7.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4c

Cub Creek

From source to Yadkin River

12-41

C

10.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Danbury Creek

From source to Little Yadkin River

12-77-3

WS-IV

4.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Deep Creek

From source to Yadkin River

12-84

WS-IV

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1

Dennis Creek

From source to Yadkin River

12-7

C;Tr

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Dutchman Creek From Davie County SR 1002 to Cedar Creek

12-102-(2)a1 C 21.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Dutchman Creek From Cedar Creek to Elisha Creek

12-102-(2)a2 C 4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Dutchman Creek From Elisha Creek to a point 0.9 mile upstream of mouth

12-102-(2)b C 7.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

East Double Creek From upstream of SR2235 to Yadkin River

12-67b C 1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

East Prong Little Yadkin River

From source to a point 0.4 mile upstream of Surry County SR 1136

12-77-2-(1)

B

8.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

East Prong Roaring River

From source to Garden Creek

12-46-4-(1)

C;Tr

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

East Prong Roaring River

From Garden Creek to Wilkes County SR 1737

12-46-4-(5)

B;Tr

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Elk Creek

From source to Dugger Creek

12-24-(1)

B;Tr,ORW

13.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Elk Creek

From Dugger Creek to Yadkin River

12-24-(10)

B;ORW

9.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Elkin Creek (River)

From source to Long Branch

12-54-(0.5)

WS-II;HQW

16.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Elkin Creek (River)

From Elkin Water Supply Intake to Yadkin River

12-54-(4.5)

C

1.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Endicott Creek (Branch)

From dam at Raven Knob Lake to Fisher River

12-63-5-(3)

WS-II;Tr,HQW

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4c



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Endicott Creek (Branch) (Raven Knob Lake) From source to dam at Raven Knob Lake located 0.5 mile (more or less) upstream from Surry County SR 1338
12-63-5-(1) WS-II,B;Tr,HQW 2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Faulkner Creek From source to Ararat River
12-72-6 C 6.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Fish Dam Creek (Fishtrap Creek) From source to Yadkin River
12-35 WS-IV 4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Fisher River From Burris Creek to a point 1.0 mile upstream of the Town of Dobson water supply intake
12-63-(7) WS-II;HQW 6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Fisher River From Town of Dobson water supply intake to Little Fisher Creek
12-63-(9)a C 2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Fisher River

From Little Fisher Creek to Yadkin River

12-63-(9)b

C

18.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Fishing Creek

From source to Yadkin River

12-44

C

9.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Flat Shoal Creek

From source to Ararat River

12-72-13

C

8.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description
Assessment Unit Number	Water Quality Classification Length/Area Units

Forbush Creek

From source to a point 0.4 mile upstream of Yadkin County SR 1600

12-83-(0.3)

C

10.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Forbush Creek

From a point 0.4 mile upstream of Yadkin County SR 1600 to Yadkin River

12-83-(1.5)

WS-IV

4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Frazier Creek (Winston Lake)

From source to Brushy Fork

12-94-12-6-1

C

17.4 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Frost Creek

From source to Farbee Creek

12-106-1

WS-IV

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Garden Creek

From source to East Prong Roaring River

12-46-4-6

C;Tr,HQW

4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Gladys Fork

From source to Stony Fork

12-26-10

C

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Hartman Branch

From source to Leak Creek

12-94-13-7-1

C

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Heatherly Creek

From source to NC 268

12-72-14-5a

C

2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Heatherly Creek

From NC 268 to Toms Creek

12-72-14-5b

C

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Hogan Creek

From source to Yadkin River

12-70

C

8.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Huffman Branch

From source to North Fork Lewis Creek

12-31-1-6

C

3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Jackson Camp Creek

From source to Yadkin River

12-10

C;Tr

3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Joes Creek

From source to Buffalo Creek

12-19-11

C;Tr

7.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Jones Creek

From source to North Prong Lewis Fork

12-31-1-7

C

2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Kerners Mill Creek

From source to a point 0.1 mile downstream of I-40

12-94-12-2-(0.3)

WS-III

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description	Assessment Unit Number	Water Quality Classification	Length/Area	Units
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King Creek

From source to Cody Creek

12-63-14-1

C

5.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Kings Creek

From source to Yadkin River

12-23

C;Tr

8.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Laurel Creek From source to Elk Creek
12-24-8 C;Tr,ORW 3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Left Prong Stony Fork From source to Stony Fork
12-26-3 C;Tr 7.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Little Beaver Creek From source to Fisher River
12-63-13 C 4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Little Fisher River From Surry County SR 1615 to Fisher River
12-63-10-(2) C 8.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Little Fork Creek From source to North Prong Lewis Fork
12-31-1-5 C 4.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Little Warrior Creek From source to a point 0.3 mile upstream of mouth
12-29-2-(1) C 5.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Warrior Creek From a point 0.3 mile upstream of mouth to Warrior Creek
12-29-2-(2) WS-IV 0.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Little Yadkin River From source to Yadkin River
12-77 WS-IV 12.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Logan Creek From a point 0.4 mile upstream of mouth of Loney Creek to Forbush Creek
12-83-2-(0.7) WS-IV 2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Long Creek From source to Mulberry Creek
12-42-9 C 3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Loves Lake Entire lake and connecting stream to Toms Creek
12-72-14-2 WS-II;HQW 4.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Lovills Creek (Lovell Creek) From N.C.-Va. State Line to a point 0.5 mile upstream of Town of Mount Airy Water Supply Dam
12-72-8-(1) WS-IV 2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lovills Creek (Lovell Creek) From Town of Mount Airy Water Supply Dam to Ararat River

12-72-8-(3) C 4.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Martin Mill Creek From source to Yadkin River

12-73 WS-IV 2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Meadow Branch From source to Stony Fork

12-26-6 C;Tr 1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Middle Fork Reddies River From source to Reddies River

12-40-2 WS-II;Tr,HQW 7.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Middle Prong Roaring River From Wilkes County SR 1736 to Roaring River

12-46-2-(6) C 3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Mill Branch From source to Stony Fork

12-26-5 C;Tr 3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mill Creek

From source to Mitchell River

12-62-4

B;Tr,ORW

3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Mitchell River

From source to mouth of Christian Creek (North Fork Mitchell River)

12-62-(1)

B;Tr,ORW

8.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Mitchell River

From South Fork Mitchell River to Yadkin River

12-62-(12.5)

C

6.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Moores Fork

From source to Stewarts Creek

12-72-9-5

WS-IV

5.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Moravian Creek (Yellow Jacket Lake)

From source to Yadkin River

12-39

C

11.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Muddy Creek

From source to Mill Creek #3

12-94-(0.5)a

C

10.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Muddy Creek

From Mill Creek #3 to Mill Creek

12-94-(0.5)b1

C

5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Zinc (50 µg/l, AL, FW)	5
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Muddy Creek

From Mill Creek to Silas Creek

12-94-(0.5)b2a

C

6.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Muddy Creek

From Silas Creek to SR 2995

12-94-(0.5)b2b

C

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Zinc (50 µg/l, AL, FW)	5
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	5
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Muddy Creek

From SR 2995 to a point 0.8 mile upstream of mouth

12-94-(0.5)c

C

4.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Suspended Solids	4t
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	4i
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Mulberry Creek

From source to Yadkin River

12-42

C

19.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Naked Creek

From a point 0.7 mile upstream of mouth to Lewis Fork

12-31-3-(2)

WS-IV

0.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

North Deep Creek

From source to Haw Branch

12-84-1-(0.5)a

C

14.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North Deep Creek From Haw Branch to a point 1.0 mile downstream of Yadkin County SR 1515
12-84-1-(0.5)b C 3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	5
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a

North Fork Reddies River From source to Reddies River
12-40-4 WS-II;Tr,HQW 11.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

North Prong Lewis Fork From source to Wilkes County SR 1300
12-31-1-(1) C;Tr 7.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

North Prong Lewis Fork From Wilkes County SR 1300 to a point 1.0 mile upstream of Purlear Creek
12-31-1-(4) C 4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North Prong Lewis Fork From a point 1.0 mile upstream of mouth of Purlear Creek to Lewis Fork
12-31-1-(7.5) WS-IV 3.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Old Field Branch From source to Buffalo Creek
12-19-9 C;Tr 3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pauls Creek

From N.C.-Va. State Line to Stewarts Creek

12-72-9-7

WS-IV

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Pilot Creek

From source to Ararat River

12-72-16

C

5.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Purlear Creek

From source to a point 2.0 mile upstream of mouth

12-31-1-8-(1)

C

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Purlear Creek

From a point 2.0 mile upstream of mouth to North Prong Lewis Fork

12-31-1-8-(2)

WS-IV

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description
Assessment Unit Number	Water Quality Classification Length/Area Units

Reddies River

From source to a point 0.4 mile downstream of Hoopers Branch

12-40-(1)

WS-II;HQW

14.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Reynolds Creek

From Sequoia WWTP to Muddy Creek

12-94-9b

C

2.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Roaring River

From source to Yadkin River

12-46

B

5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Rutledge Creek

From source to Ararat River

12-72-10

C

9.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Salem Creek (Middle Fork Muddy Creek)

From Winston-Salem Water Supply Dam (Salem Lake) to Burke Creek.

12-94-12-(4)a

C

7.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3i
Data Inconclusive	> 10% and < 90% conf	Total Suspended Solids	3t
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Salem Creek (Middle Fork Muddy Creek) From Burke Creek to SR1120

12-94-12-(4)b

C

1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	5e
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Data Inconclusive	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Salem Creek (Middle Fork Muddy Creek) From SR1120 to Muddy Creek

12-94-12-(4)c

C

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Zinc (50 µg/l, AL, FW)	5
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Salem Creek (Middle Fork Muddy Creek, Salem Lake) Kerners Mill Creek Arm

12-94-12-(1)a

WS-III;CA

131.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Salem Creek (Middle Fork Muddy Creek, Salem Lake) Lower Part of Reservoir

12-94-12-(1)c WS-III;CA 93.3 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1

Shell Creek From source to Stony Fork

12-26-8 C 3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

Silas Creek From source to Muddy Creek

12-94-10 C 10.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Snow Creek From source to Mitchell River

12-62-15 C 9.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

South Deep Creek From source to a point 0.6 mile upstream of U.S. Hwy. 601

12-84-2-(1) WS-III 18.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Deep Creek From a point 0.6 mile upstream of Yadkin County SR 1710 to Deep Creek
12-84-2-(5.5) WS-IV 2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Suspended Solids	4t
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	4i
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

South Fork Mitchell River From source to Mitchell River
12-62-13 C 17.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

South Fork Muddy Creek From source to Muddy Creek
12-94-13 C 14.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

South Fork Reddies River From source to Reddies River
12-40-3 WS-II;Tr,HQW 7.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Prong Lewis Fork From Wilkes County SR 1155 to a point 1.1 mile upstream of mouth
12-31-2-(6) C 5.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Stewarts Creek From N.C.-Va. State Line to Surry County SR 1622
12-72-9-(1) WS-IV;Tr 5.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Stewarts Creek From Surry County SR 1622 to NC89
12-72-9-(4)a WS-IV 1.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Stewarts Creek From NC89 to a point 0.7 mile downstream of mouth of Pauls Creek
12-72-9-(4)b WS-IV 1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Stewarts Creek From Town of Mount Airy water supply intake to Ararat River
12-72-9-(8) C 6.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Stony Fork From Wilkes County SR 1168 to Yadkin River
12-26-(7) C 5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Tanyard Creek	From source to Yadkin River		
12-104	WS-IV	1.5	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Toms Creek	From source to a point 0.6 mile downstream of mouth of Chinquapin Creek		
12-72-14-(1)	WS-II;HQW	11.1	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Toms Creek	From Town of Pilot Mountain water supply intake (Located 0.2 mile upstream of U.S. Hwy. 52) to Ararat River		
12-72-14-(4)	C	5.7	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Tucker Hole Creek	From a point 0.5 mile upstream of mouth to Yadkin River		
12-37-(2)	WS-IV;Tr,CA	0.4	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Tumbling Shoals Creek	From source to Reddies River		
12-40-6	WS-II;HQW	4.1	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

UT Fisher River	From Source to Fisher River		
12-63-(7)ut10		3.1	FW Miles
Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description	Length/Area	Units
Assessment Unit Number	Water Quality Classification		

UT to Chinquapin Creek

From source to Chinquapin Creek

12-72-14-3ut9

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Dutchman Creek

From source to Dutchmans Creek

12-102-(2)but15

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (5 mg/l, AL, SW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Leak Creek

From source to Leak Creek

12-94-13-7ut2

FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

UT to Pilot Creek

From source to Pilot Creek

12-72-16ut9

1.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1

UT to Toms Creek

From source to Toms Creek

12-72-14-(1)ut8

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

UT to UT to North Deep Creek

From source UT to North Deep Creek

12-84-1-(0.5)ut14ut13

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	FCB 5in30 GM >200 or >2	Fecal Coliform (GM 200/400, REC, FW)	5

UT to Yadkin River

From source to Yadkin River

12-(1)ut21

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

YADKIN RIVER

From source to Elk Creek

12-(1)a

C;Tr

30.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

YADKIN RIVER

From Elk Creek to mouth in W. Kerr Scott Reservoir at Elevation 1030

12-(1)b

C;Tr

4.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

YADKIN RIVER

From a point 1.0 mile upstream of Dutchmans Creek to a point 0.7 mile upstream of mouth of South Yadkin R.

12-(101.5)

WS-IV

9.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

YADKIN RIVER

From Moravian Creek to Reddies River

12-(38)a

C

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

YADKIN RIVER

From Reddies River to Mulberry Creek

12-(38)b

C

3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

YADKIN RIVER

From a point 0.2 mile upstream of Big Bugaboo Creek to a point 0.9 mile upstream of mouth of Elkin Creek (River)

12-(47.5)

WS-IV

9.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3a
Exceeding Criteria	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	5e
Data Inconclusive	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	3a
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

YADKIN RIVER

From a point 0.3 mile upstream of the mouth to Elkin Creek (River) to a point 0.3 mile upstream of Ararat River

12-(53)

C

24.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

YADKIN RIVER

From a point 0.3 mile upstream of Ararat River to a point 0.8 mile upstream of Old Richmond Creek

12-(71)

WS-IV

9.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



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Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

YADKIN RIVER

From a point 0.3 mile upstream of Bashavia Creek to mouth of Hauser Cr.

12-(80.7)

WS-IV

9.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Total Suspended Solids	3t
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3i
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

YADKIN RIVER

From Davie County water supply intake to a point 0.5 mile upstream of Carters Creek

12-(86.7)

WS-IV

10.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Suspended Solids	4t
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	4i
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Water Temperature (29°C, AL, MT&UP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

YADKIN RIVER

From a point 0.5 mile upstream of U.S. Hwy. 64 to a point 0.3 mile downstream of U.S. Hwy. 64 (Davidson County water supply intake)

12-(97.5)

WS-IV;CA

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	5
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Headwaters Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

YADKIN RIVER (W. Kerr Scott Reservoir below Elevation 1030)

From a point 3.2 mile downstream of Stony Fork to W. Kerr Scott Dam

12-(27.5)

WS-IV,B;Tr

882.1 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1

Yates Creek

From source to Stony Fork

12-26-9

C

3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Bear Creek

From a point 0.2 mile downstream of U.S. Hwy. 64 to South Yadkin River

12-108-18-(3)

WS-IV

8.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Dobbins Creek

From source to North Little Hunting Creek

12-108-16-6-1

WS-III

4.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Dutchman Creek

From source to South Yadkin River

12-108-12

C

10.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1



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South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Fourth Creek

From source to Morrison

12-108-20a1

C

10.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Suspended Solids	4t
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	4i
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t



Final 2016 Integrated Report-All Assessed Waters

South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Fourth Creek

From Morrison Creek to SR2316

12-108-20a2

C

5.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Suspended Solids	4t
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	4i
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t



Final 2016 Integrated Report-All Assessed Waters

South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Fourth Creek

From SR2316 to SR2308

12-108-20a3a

C

3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Suspended Solids	4t
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	4i
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	4s
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Fourth Creek

From SR 1972 to SR 1985

12-108-20b

C

6.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Fourth Creek

From SR 1985 to South Yadkin River

12-108-20c

C

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Gregory Creek

From source to Morrison Creek

12-108-20-3-1

C

3.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hunting Creek

From source to Little Hunting Creek

12-108-16-(0.5)a

WS-III

18.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1



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South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hunting Creek

From Little Hunting Creek to North Little Hunting Creek

12-108-16-(0.5)b1

WS-III

12.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Total Suspended Solids	3t
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3i
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hunting Creek

From North Little Hunting Creek to a point 1.1 miles upstream of Davie County SR 1147

12-108-16-(0.5)b2

WS-III

18.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Total Suspended Solids	3t
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3i
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Morrison Creek

From source to Fourth Creek

12-108-20-3

C

7.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

North Little Hunting Creek

From source to Hunting Creek

12-108-16-6

WS-III

23.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Olin Creek

From source to Patterson Creek

12-108-11-3-3

C

9.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Patterson Creek

From source to Rocky Creek

12-108-11-3

C

10.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Rocky Creek (Rocky River)

From source to Patterson Creek

12-108-11a

C

37.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Rocky Creek (Rocky River)

From Patterson Creek to South Yadkin River

12-108-11b

C

5.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1



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South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Second Creek (North Second Creek)

From source to Withrow Creek

12-108-21a

C

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	5
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Second Creek (North Second Creek)

From Withrow Creek to Beaverdam Creek

12-108-21b

C

3.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Suspended Solids	4t
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	4i
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Second Creek (North Second Creek)

From Beaverdam Creek to South Yadkin River

12-108-21c

C

5.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	5
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3a
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Snow Creek

From a point 1.1 miles upstream of Iredell County SR 1614 to South Yadkin River

12-108-9-(0.6)

WS-IV

12.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5



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South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Yadkin River

From a point 1.0 mile upstream of Davie County SR 1159 to N.C. Hwy. 801

12-108-(14.5)

WS-IV

9.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Suspended Solids	4t
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	4i
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

South Yadkin River

From Town of Cooleemee water supply intake to mouth of Fourth Creek

12-108-(19.5)a

C

4.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Yadkin River

From mouth of Fourth Creek to Yadkin River

12-108-(19.5)b

C

5.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Suspended Solids	4t
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	4i
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

South Yadkin River

From Alexander County SR 1456 to Snow Creeka

12-108-(5.5)a

WS-IV

13.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



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South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Yadkin River From Snow Creeka point 0.6 mile downstream of Iredell County SR 1907
12-108-(5.5)b WS-IV 1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Third Creek From source to I77
12-108-20-4a1 C 13.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Third Creek From I77 to SR 2359
12-108-20-4a2 C 3.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



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South Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Third Creek

From SR 2359 to SR 1970

12-108-20-4b

C

22.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Suspended Solids	4t
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	4i
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Withrow Creek

From source to Second Creek (North Second Creek)

12-108-21-3

C

11.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Abbotts Creek

From source to a point 0.5 mile upstream of Davidson County SR 1810

12-119-(1)

WS-III

18.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

Abbotts Creek

From upstream side of culvert at U.S. Hwys. 29 & 70 to SR1243

12-119-(6)a

C

6.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Total Suspended Solids	4t
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	4i
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3b
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Abbotts Creek

From SR1243 to I85

12-119-(6)b

C

1.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Abbotts Creek (including Lexington-Thomasville Water Supply Reservoir at normal reservoir elevation, Tom-A-Lex Lake)

From a point 0.5 mile upstream of Davidson County SR 1810 to the upstream side of culvert at U.S. Hwys. 29 & 70

12-119-(4.5)

WS-III;CA

815.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Abbots Creek Arm of High Rock Lake

From source at I-85 to NC 47

12-118.5a

WS-V,B

3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	5
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Abbots Creek Arm of High Rock Lake From NC 47 to Davidson County SR 2294

12-118.5b WS-V,B 972.3 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (25 NTU, AL, FW acres & SW)	5
Exceeding Criteria	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	5

Back Creek (Back Creek Lake) From a point 1.0 mile downstream of Randolph County SR 1504 to dam at Back Creek Lake (City of Asheboro water supply intake)

13-2-3-3-(0.7) WS-II;HQW,CA 228.3 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1

Barnes Creek From a point 0.2 mile upstream of Montgomery County SR 1303 to Uwharrie River

13-2-18-(2.5) WS-IV;ORW 0.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Betty McGees Creek From source to Uwharrie River

13-2-5 C 9.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Brier Creek From source to Little Uwharrie River

13-2-1-1 WS-III 5.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Brushy Fork

From source to Buck Branch

12-119-5-(1)

WS-III

9.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Cabin Creek

From N.C. Hwy. 109 to a point 0.1 mile downstream of Davidson County SR 2536

12-127-(2)

WS-IV

5.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



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Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Caraway Creek

From source to Uwharrie River

13-2-3

C

26.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1



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Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1

Dutchmans Creek

From source to Uwharrie River

13-2-24

WS-IV

4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Grants Creek

From source to SR 1910

12-110a

C

19.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Fecal Coliform (GM 200/400, REC, FW)	3t

Grants Creek

From source to Grants Creek

12-110aUT1

C

0.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not assessed	Fecal Coliform (GM 200/400, REC, FW)	3t



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Grants Creek

From SR 1910 to Yadkin River

12-110b

C

1.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Data Inconclusive	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1i
Meeting Criteria	< 10%	Total Suspended Solids	1t
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hamby Creek

From source to North Hamby Creek

12-119-7-4a

C

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hamby Creek

From North Hamby Creek to Rich Fork

12-119-7-4b

C

6.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	4s
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Hunts Fork

From source to Rich Fork

12-119-7-3

C

7.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



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Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Jimmys Creek

From source to Hamby Creek

12-119-7-4-2

C

6.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Leonard Creek

From dam at City Lake Lexington to Abbotts Creek

12-119-8-(3)

C

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Lick Creek

From East Branch Lick Creek to a point 1.0 mile upstream of Davidson County SR 2501

12-126-(3)

WS-IV

7.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Lick Creek

From a point 1.0 mile upstream of Davidson County SR 2501 to Tuckertown Lake, Yadkin River

12-126-(4)

WS-IV;CA

0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



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Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Creek

From source to Grants Creek

12-110-3

C

6.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Little Uwharrie River (Wheatmore Pond)

From source to Uwharrie River

13-2-1

WS-III

11.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

McLeans Creek

From a point 0.8 mile upstream of Montgomery County SR 1154 to Uwharrie River

13-2-20-(0.7)

WS-IV

4.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Moccasin Creek

From source to West Branch

13-2-20-1-1

WS-IV

2.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Mountain Branch

From source to Gladly Fork

12-135-2

WS-IV

1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

North Hamby Creek

From source to Hamby Creek

12-119-7-4-1

C

5.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Poison Fork

From source to Barnes Creek

13-2-18-1

C;ORW

4.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Rich Fork

From source to Payne Creek

12-119-7a

C

8.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1t



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rich Fork

From Payne Creek to SR1790

12-119-7b1

C

3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rich Fork

From SR1790 to Abbotts Creek

12-119-7b2

C

8.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t

Second Creek

From source to Second Creek Arm of of High Rock Lake, Yadkin River

12-117-2

C

13.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Second Creek Arm of High Rock Lake

From a point 1.7 miles downstream of Rowan County SR 1004 to SR1002

12-117-(3)a

WS-IV,B

400.2 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (25 NTU, AL, FW acres & SW)	5
Data Inconclusive	> 10% and < 90% conf	pH (9.0, AL, FW)	3a
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Exceeding Criteria	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	5



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Second Creek Arm of High Rock Lake

From SR1002 to High Rock Lake

12-117-(3)b

WS-IV,B

547.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	5
Data Inconclusive	> 10% and >90 conf N<10	pH (9.0, AL, FW)	5

Swearing Creek

From source to High Rock Lake, Yadkin River

12-113

C

14.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a



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Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Town Creek

From source to Crane Creek

12-115-3

C

15.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a

Unnamed Tributary to Cedar Fork Creek (Lake Bunch)

From a point 1.1 miles upstream of mouth to Cedar Fork Creek (City of Asheboro water supply intake)

13-2-3-3-2-2-(2)

WS-II;HQW,CA

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1

UT SECOND CR

Source to SECOND CR

12-117-2ut10

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

UT SECOND CR

Source to SECOND CR

12-117-2ut33

3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Back Creek

From source to a Back Creek

13-2-3-3-(0.3)ut8

3.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

UT to Hamby Creek

From Source to Hamby Creek

12-119-7-4but10

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

UT to Uwharrie River

From Source to Uwharrie

13-2-(1.3)ut6

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Arsenic (10 µg/l, HH, NC)	5
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (0.17 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Vinyl Chloride (0.025 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (0.254 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Trichloroethylene (2.5 µg/l, WS, WS)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Benzene (1.19 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Sulfate (250 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (0.7 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	PAHs (0.0028 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Hexachlorobutadiene (0.44 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Uwharrie River

From source to a point 0.4 mile downstream of Little Uwharrie River

13-2-(0.5)

WS-III

18.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Uwharrie River

From a point 0.4 mile downstream of Little Uwharrie River to Randolph County SR 1314 (including Lake Reese)

13-2-(1.3)

WS-III;CA

7.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1

Uwharrie River

From Randolph County SR 1314 to to Randolph County SR 1174

13-2-(1.5)

C

9.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Uwharrie River

From a point 1.3 miles upstream of the mouth of Barnes Creek to mouth of Dutchmans Creek

13-2-(17.5)

WS-IV,B

9.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Uwharrie River

From Randolph County SR 1174 to a point 1.3 miles upstream of mouth of Barnes Creek

13-2-(4.5)

B

18.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1



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Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

West Branch

From source to McLeans Creek

13-2-20-1

WS-IV

3.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

YADKIN RIVER (including Falls Lake below normal operating levels)

From Badin Dam to a point 0.5 mile upstream of Falls Dam

12-(136.3)

WS-IV,B

169.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5

YADKIN RIVER (including lower portion of Falls Lake and upper portion of Lake Tillery below normal operating levels)

From a point 0.5 mile upstream of Falls Dam to Uwharrie River

12-(136.7)

WS-IV,B;CA

33.8 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5

YADKIN RIVER (including lower portion of High Rock Lake)

From a line across High Rock lake from the downstream side of mouth of Crane Creek to Second Creek Arm of High Rock Lake

12-(114)a

WS-IV,B

478.1 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (9.0, AL, FW)	5
Exceeding Criteria	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	5e
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Exceeding Criteria	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	5



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Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

YADKIN RIVER (including lower portion of High Rock Lake)

From Second Creek Arm of High Rock Lake to above the dam

12-(114)b1

WS-IV,B

2,627.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	5
Exceeding Criteria	> 10% and >90 conf	pH (9.0, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5

YADKIN RIVER (including lower portion of High Rock Lake)

Lower Abbots Creek Arm Above NC 8

12-(114)b2

WS-IV,B

859.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (25 NTU, AL, FW acres & SW)	5
Exceeding Criteria	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	5e
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5

YADKIN RIVER (including lower portion of High Rock Lake)

Lower Flat Swamp Creek Arm above railroad bridge

12-(114)b3

WS-IV,B

861.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (9.0, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Exceeding Criteria	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	5



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Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

YADKIN RIVER (including lower portion of High Rock Lake)

From a point 0.6 mile upstream of dam of High Rock Lake to High Rock Dam

12-(124.5)a

WS-IV,B;CA

10.8 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	5e
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5

YADKIN RIVER (including Tuckertown Lake, Badin Lake)

From the mouth of Cabin Creek to Badin Lake

12-(124.5)c1

WS-IV,B;CA

7,937.8 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

YADKIN RIVER (including Tuckertown Lake, Badin Lake)

From the mouth of Ellis Creek to Badin Lake

12-(124.5)c2

WS-IV,B;CA

7,262.8 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (9.0, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	3a
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

YADKIN RIVER (including Tuckertown Lake, Badin Lake)

Badin Lake

12-(124.5)d

WS-IV,B;CA

6,847.0 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

YADKIN RIVER (including upper portion of High Rock Lake below normal operating level)

From mouth of Grants Creek to Buck Steam Statio

12-(108.5)b1

WS-V

487.9 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

YADKIN RIVER (including upper portion of High Rock Lake below normal operating level)

From Buck Steam Plant to a line across High Rock Lake at the downstream side Swearing Creek Arm

12-(108.5)b2

WS-V

2,927.9 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and < 90% conf	Chlorophyll a (40 µg/l, AL, NC)	5e
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Exceeding Criteria	> 10% and >90 conf N<10	Turbidity (25 NTU, AL, FW acres & SW)	5

YADKIN RIVER (including upper portion of High Rock Lake below normal operating level)

From downstream side Swearing Creek Arm to downstream side of Crane Creek Arm

12-(108.5)b3

WS-V

801.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	pH (9.0, AL, FW)	3a
Exceeding Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	5
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Exceeding Criteria	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	5



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

YADKIN RIVER (including upper portion of High Rock Lake below normal operating level)

Crane Creek Arm of High Rock Lake

12-(108.5)b4

WS-V

1,351.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	pH (9.0, AL, FW)	5
Exceeding Criteria	> 10% and >90 conf	Chlorophyll a (40 µg/l, AL, NC)	5
Exceeding Criteria	> 10% and >90 conf	Turbidity (25 NTU, AL, FW acres & SW)	5
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Yadkin River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

YADKIN RIVER (including upper portion of Tuckertown Lake)

From High Rock Dam to mouth of Cabin Creek

12-(124.5)b

WS-IV,B;CA

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Bridgers Creek

From source to Little River

13-25-24

C;HQW

9.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Lake Tillery-Pee Dee River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Brown Creek

From N.C.-S.C. State Line to mouth of Lick Creek

13-20a

C

16.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5

Brown Creek

From mouth of Lick Creek to Pee Dee River

13-20b

C

28.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	BOD	4t
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	4i
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Lake Tillery-Pee Dee River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cedar Creek

From source to Pee Dee River

13-21

C

10.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Cheek Creek

From source to NC 731

13-25-36a

C

9.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1

Cheek Creek

From NC 731 to Little River

13-25-36b

C

8.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Clarks Creek

From source to Pee Dee River

13-16

C

12.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Densons Creek

From dam at Troy Reservoir to Little River

13-25-20-(9)

C

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Lake Tillery-Pee Dee River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Dumas Creek

From source to Densons Creek

13-25-20-8

C;HQW

9.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Jacobs Creek

From a point 0.3 mile upstream of Stanly County SR 1740 to Lake Tillery, Pee Dee River

13-9-(2)

WS-IV;CA

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Little Buffalo Creek

From source to Buffalo Creek

13-25-38-1

WS-IV

2.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Little Mountain Creek

From source to a point 0.5 mile upstream of Stanly County SR 1545

13-5-1-(1)

C

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Lake Tillery-Pee Dee River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Mountain Creek

From a point 0.5 mile upstream of Stanly County SR 1545 to Mountain Cr.

13-5-1-(2)

WS-IV

5.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Little River

From source to Suggs Creek

13-25-(1)

C

23.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Lake Tillery-Pee Dee River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little River

From Suggs Creek to Densons Creek

13-25-(11.5)

C;HQW

12.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Little River

From Densons Creek to Hammer Creek

13-25-(19)

C

18.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Lake Tillery-Pee Dee River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little River

From Hamer Creek to Pee Dee River

13-25-(37.5)

WS-IV

3.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Lower Richland Creek

From source to a point 0.5 mile upstream of mouth

13-15-(1)

WS-IV,B

2.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Mountain Creek

From source to a point 1.1 miles upstream of mouth

13-28-(0.5)

WS-IV

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	NO2+NO3-N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	Excellent	Benthos (Nar, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Lake Tillery-Pee Dee River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mountain Creek

From Stanly County SR 1542 to a point 0.5 mile upstream of mouth

13-5-(0.7)

WS-IV

7.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

PEE DEE RIVER

From Norwood Dam to Rocky River

13-(15.5)a

WS-V,B

4.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Data Inconclusive	< 10%	Manganese (200 µg/l Aes, WS, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Lake Tillery-Pee Dee River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

PEE DEE RIVER

From Rocky River to mouth of Turkey Top Creek

13-(15.5)b

WS-V,B

10.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Hardness (100 mg/L, WS, WS)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Lake Tillery-Pee Dee River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

PEE DEE RIVER (including Lake Tillery below normal operating levels)

From mouth of Uwharrie River to Norwood Dam

13-(1)

WS-IV,B;CA

4,845.5 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Exceeding Criteria	Fish Consumption Advisor	PCB Fish Tissue Advisory (Advisory, FC, NC)	5

Rocky Creek

From N.C. Hwy. 27 to Little River

13-25-30-(0.5)

C;HQW

6.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Smith Branch

From source to Rocky Creek

13-25-30-1

C

2.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Lake Tillery-Pee Dee River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Toms Branch

From source to Little Mountain Creek

13-28-2-4

C

2.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

West Fork Little River

From source to Little River

13-25-15

C

23.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

Wood Run

From a point 0.2 mile upstream of Montgomery County SR 1150 to Lake Tillery, Pee Dee River

13-7-(2)

WS-IV;CA

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Back Creek

From source to Rocky River

13-17-7

C

12.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Barkers Branch

From source to Lanes Creek

13-17-40-10

WS-V

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1

Bearskin Creek

From source to Richardson Creek

13-17-36-6

C

9.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



Final 2016 Integrated Report-All Assessed Waters

Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Beaverdam Creek

From source to Lanes Creek

13-17-40-11

WS-V

12.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Dissolved Oxygen (4 mg/l, AL, FW)	5
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Big Bear Creek

From source to Long Creek

13-17-31-5

C

19.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5

Caldwell Creek

From source to Freeman Drive

13-17-8-5a

C

6.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Caldwell Creek

From Freeman Drive to Reedy Creek

13-17-8-5b

C

1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Clarke Creek

From source to Rocky River

13-17-4

C

5.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5

Clarks Creek

From source to Mallard Creek

13-17-5-2

C

4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Clear Creek

From source to Long Branch

13-17-17a

C

10.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



Final 2016 Integrated Report-All Assessed Waters

Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Clear Creek

From Long Branch to

13-17-17b

C

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	5
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Clear Creek

From source to McKee Creek

13-17-8-4-1

C

1.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not assessed	Fecal Coliform (GM 200/400, REC, FW)	4t

Coddle Creek

From source to a point 0.5 mile downstream of East Coddle Creek

13-17-6-(0.5)

WS-II;HQW

7.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1
Exceeding Criteria	Poor	Fish Community (Nar, AL, FW)	5



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Coddle Creek From a point 0.2 mile upstream of N.C. Hwy. 73 to Rocky River

13-17-6-(5.5) C 14.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Coddle Creek, including water supply reservoir for Concord) From a point 0.5 mile downstream of East Coddle Creek to a point 0.2 mile upstream of N.C. Hwy. 73 (Concord water supply intake)

13-17-6-(1.5) WS-II;HQW,CA 1.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cold Water Creek

From dam at Lake Fisher to Irish Buffalo Creek

13-17-9-4-(1.5)

C

12.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a

Cold Water Creek (Lake Fisher)

From a point 0.5 mile downstream of Rowan County SR 1221 to to Moose Road Bridge

13-17-9-4-(1)a

WS-IV;CA

15.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a

Cold Water Creek (Lake Fisher)

From Moose Road Bridge to dam at Lake Fisher

13-17-9-4-(1)b

WS-IV;CA

214.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cribs Creek

From source to Rocky River

13-17-37

C

11.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Crooked Creek

From source to Rocky River

13-17-20

C

12.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Doby Creek

From source to Mallard Creek

13-17-5-3

C

4.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Duck Creek

From source to Goose Creek

13-17-18-3

C

9.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4b



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Dutch Buffalo Creek From source to a point 0.6 mile downstream of Cabarrus County SR 2416
13-17-11-(1) WS-II;HQW 12.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Dutch Buffalo Creek From a point 0.5 mile upstream of N.C. Hwy. 49 to Rocky River
13-17-11-(5) C 11.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Dye Creek (Branch) From source to Rocky River
13-17-2 C 4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

East Fork Coddle Creek From source to Coddle Creek
13-17-6-1 WS-II;HQW 6.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

Goose Creek From source to SR 1524
13-17-18a C 3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Goose Creek

From SR 1524 to Rocky River

13-17-18b

C

13.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4b
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Hardy Creek

From source to Rocky River

13-17-42

C

9.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Irish Buffalo Creek

From Kannapolis Water Supply Dam to Rocky River

13-17-9-(2)

C

16.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Irish Buffalo Creek [Kannapolis Lake (Cannon Lake)]

From a point 0.5 mile upstream of Rowan County SR 1197 to Kannapolis Water Supply Dam

13-17-9-(1)

WS-III;CA

0.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a

Island Creek

From source to Rocky River

13-17-26

C

10.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Lanes Creek

From source to Marshville Water Supply Dam (located 0.1 mile downstream of Beaverdam Creek)

13-17-40-(1)

WS-V

27.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (25 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	NO ₂ +NO ₃ -N (10 mg/l, WS, WS)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Lanes Creek

From Marshville Water Supply Dam (located 0.1 mile downstream of Beaverdam Creek) to Rocky River

13-17-40-(12)

C

27.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Little Long Creek

From source to Long Creek

13-17-31-1

C

8.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Little Richardson Creek (Lake Monroe)

From source to a point 0.6 mile upstream of Buck Branch

13-17-36-4-(0.5)

WS-IV

77.1 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	5

Little Richardson Creek (Lake Monroe)

From a point 0.6 mile upstream of Buck Creek to Richardson Creek

13-17-36-4-(2)

WS-IV;CA

38.7 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	5

Long Creek

From source to Little Long Creek

13-17-31a

C

24.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Long Creek

From Little Long Creek to Rocky River

13-17-31b

C

2.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mallard Creek

From source to mouth of 0.2 miles downstream of Stoney Creek

13-17-5a

C

13.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mallard Creek

From 0.2 miles downstream of Stoney Creek to Rocky River

13-17-5b

C

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

McKee Creek

From source to Reedy Creek

13-17-8-4

C

6.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not assessed	Fecal Coliform (GM 200/400, REC, FW)	4t



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mill Creek From source to a point 0.3 mile downstream of Cabarrus County SR 1609
13-17-6-5-(1) WS-II;HQW 5.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

North Fork Crooked Creek From source to Crooked Creek
13-17-20-1 C 12.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a

North Prong Clarke Creek From source to Clarke Creek
13-17-4-1 C 4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Park Creek From a point 0.1 mile upstream of Cabarrus County SR 1615 to Coddle Cr.
13-17-6-3-(2) WS-II;HQW,CA 0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

Ramah Creek From source to Clarke Creek
13-17-4-4 C 5.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Reedy Creek

From source to McKee Creek

13-17-8a

C

8.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlordane (0.0008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Phenols	1
Meeting Criteria	< 10%	Selenium (5 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Parathion (0.013Sul µg/l, AL, FW)	1
Meeting Criteria	< 10%	Methoxychlor (0.03 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PCB (0.064 ng/l, HH, NC)	1
Meeting Criteria	< 10%	Heptachlor (0.00008 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toxaphene (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Endrin (0.002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dieldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mirex (0.001 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lindane (0.01 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Aldrin (0.00005 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Vinyl Chloride (2.4 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Endosulfan (0.05 µg/l, AL, FW)	1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units
Meeting Criteria	< 10%	Cyanide (5 mg/L, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Phenols (1 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chlorinated Benzenes (488 µg/l, WS, WS)	1
Meeting Criteria	< 10%	Benzene (51 µg/l, AL, FW)	1
Meeting Criteria	< 10%	DDT 4,4 (0.0002 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethane, 1,1,2,2- (4 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Trichloroethylene (30 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Toluene (11 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Tetrachloroethylene (3.3 µg/l, HH, FW)	1
Meeting Criteria	< 10%	Carbon Tetrachloride (1.6 µg/l, AL, FW)	1
Meeting Criteria	< 10%	PAHs (0.0311 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Hexachlorobutadiene (18 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Demeton (0.1 µg/l, AL, FW)	1
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Reedy Creek

From McKee Creek to Rocky River

13-17-8b

C

7.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Richardson Creek From Monroe Water Supply Dam (Lake Lee) to Stewarts Creek

13-17-36-(5)a1a C 6.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1

Richardson Creek From Stewarts Creek to Watson Creek

13-17-36-(5)a1b C 5.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3a
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



Final 2016 Integrated Report-All Assessed Waters

Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Richardson Creek

From Watson Creek to Salem Creek

13-17-36-(5)a2

C

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Richardson Creek

From mouth of Salem Creek to Rocky River

13-17-36-(5)b

C

15.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Richardson Creek (Lake Lee)

Entire Reservoir

13-17-36-(3.5)b

WS-IV;CA

106.4 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (25 NTU, AL, FW acres & SW)	3a
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	5

Rocky River

From source to Clarke Creek

13-17a

C

15.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	> 10% and < 90% conf	Turbidity (50 NTU, AL, FW miles)	3a
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	4t
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rocky River

From Clarke Creek to Mallard Creek

13-17b1

C

9.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	5
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rocky River

From Mallard Creek to Reedy Creek

13-17b2

C

8.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	5
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rocky River

From Reedy Creek to Irish Buffalo Creek

13-17b3

C

3.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	5
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rocky River

From the Irish Buffalo Creek to Hamby Branch

13-17c1

C

2.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	5
Exceeding Criteria	> 10% and >90 conf	Copper (7 µg/l, AL, FW)	5
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rocky River

From Hamby Branch to Anderson Creek

13-17c2

C

5.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	5
Data Inconclusive	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	3a
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Data Inconclusive	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	4s
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rocky River

From Anderson Creek to Lanes Creek

13-17c3

C

34.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	5
Data Inconclusive	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	3e
Exceeding Criteria	> 10% and < 90% conf	Zinc (50 µg/l, AL, FW)	5e
Exceeding Criteria	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	5e
Data Inconclusive	> 10% and < 90% conf	Copper (7 µg/l, AL, FW)	3e
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Rocky River

From the Lanes Creek to the Pee Dee River

13-17d

C

11.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	> 10% and >90 conf	Turbidity (50 NTU, AL, FW miles)	5
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Exceeding Criteria	< 10%	Copper (7 µg/l, AL, FW)	5e
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Beryllium (6.5 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	Chromium (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Data Inconclusive	FCB AP GM>200 or >20%	Fecal Coliform (GM 200/400, REC, FW)	3a
Data Inconclusive	Not assessed	Manganese (200 µg/l Aes, WS, FW)	3z1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Salem Creek

From source to Richardson Creek

13-17-36-15

C

13.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1



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Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

South Fork Crooked Creek

From source to SR 1515

13-17-20-2a

C

5.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Fish Community (Nar, AL, FW)	5
Exceeding Criteria	Poor	Benthos (Nar, AL, FW)	5

South Fork Crooked Creek

From SR 1515 to Crooked Creek

13-17-20-2b

C

8.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

South Prong Clarke Creek

From source to Clarke Creek

13-17-4-2

C

3.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

South Prong West Branch Rocky River

From source to West Branch Rocky River

13-17-3-1

C

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Benthos (Nar, AL, FW)	3a

Stewarts Creek

From source to a point 0.4 mile downstream of mouth of Stumplick Branch

13-17-36-9-(1)

WS-III

8.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5



Final 2016 Integrated Report-All Assessed Waters

Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Stewarts Creek [Lake Twitty (Lake Stewart)]

From a point 0.4 mile downstream of mouth of Stumplick Branch to Union County SR 1681 (City of Monroe water supply intake)

13-17-36-9-(4.5)

WS-III;CA

131.1 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	5

Stony Creek

From source to Mallard Creek

13-17-5-5

C

5.1 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Stony Run

From source to Big Bear Creek

13-17-31-5-5

C

11.9 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Toby Creek

From source to Mallard Creek

13-17-5-4

C

4.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5

Unnamed Tributary to Cold Water Creek (Lake Concord)

From a point 0.7 mile downstream of Rowan/Cabarrus County Line to dam at Lake Concord

13-17-9-4-2-(2)

WS-IV;CA

0.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a



Final 2016 Integrated Report-All Assessed Waters

Rocky River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

West Branch Rocky River

From source to Rocky River

13-17-3

C

8.8 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Wolf Meadow Branch

From source to Coddle Creek

13-17-6-7

C

3.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1

Baggetts Creek

From source to Speeds Creek

13-40-3-2

C

3.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Bailey Creek

From source to North Fork Jones Creek

13-42-1-3

C

2.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1

Beaver Dam Creek

From source to Rocky Fork Creek

13-39-8-7

WS-III

5.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Bones Fork Creek (Lake Bagget)

From source to Hitchcock Creek

13-39-5

WS-III

4.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1



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Pee Dee River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Cartledge Creek

From source to Pee Dee River

13-35

C

10.2 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

Chock Creek (Gibson Pond)

From source to Hitchcock Creek

13-39-6

WS-III

4.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Deadfall Creek

From source to N.C.-S.C. State Line

13-47-2

C

8.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a

Falling Creek

From a point 1.4 miles downstream of Richmond County SR 1640 to Rockingham Water Supply Intake

13-39-12-(7.5)

WS-III;CA

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1

Falling Creek (Hinson Lake, Great Falls Pond)

From Rockingham Water Supply Intake to Hitchcock Creek

13-39-12-(10)

C

2.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not assessed	Aquatic Weeds	3t



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Pee Dee River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hitchcock Creek (McKinney Lake, Ledbetter Lake)

From source to a point 0.5 mile downstream of Richmond County SR 1442

13-39-(1)

WS-III

10.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Hitchcock Creek (Midway Pond, Steeles Mill Pond)

From dam at Roberdel Lake to Pee Dee River

13-39-(10)

C

11.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1



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Pee Dee River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Hitchcock Creek (Roberdel Lake) From a point 0.5 mile downstream of Richmond County SR 1442 to dam at Roberdel Lake (City of Rockingham water supply intake)

13-39-(8.5) WS-III;CA 48.4 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

Jones Creek From source to Pee Dee River

13-42 C 12.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Marks Creek (Boyds Lake, City Lake, Everetts Lake)

From dam of lower Water Lake to NC 177

13-45-(2)a

C

5.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chlorophyll a (40 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria)	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1
Data Inconclusive	Potentially due to natural	pH (NA, AL, swamp)	3a

Marks Creek (Boyds Lake, City Lake, Everetts Lake)

From NC 177 to N.C.-S.C. State Line

13-45-(2)b

C

13.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Exceeding Criteria	Fair	Benthos (Nar, AL, FW)	5
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a



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Pee Dee River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

Mill Creek

From source to Pee Dee River

13-43

C

11.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Excellent	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

North Fork Jones Creek

From Wadesboro Water Supply Intake to Jones Creek

13-42-1-(0.5)

C

7.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Fish Community (Nar, AL, FW)	1
Meeting Criteria	Good-Fair	Benthos (Nar, AL, FW)	1

North Fork Jones Creek (City Pond)

From a point 1.0 mile downstream of Anson County SR 1122 to Wadesboro Water Supply Intake

13-42-1-(0.3)

WS-II;HQW,CA

0.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Turbidity (25 NTU, AL, FW acres & SW)	1
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1
Data Inconclusive	> 10% and >90 conf N<10	Chlorophyll a (40 µg/l, AL, NC)	3a



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Pee Dee River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

PEE DEE RIVER

From Blewett Falls Dam to mouth of Hitchcock Creek

13-(34)a

C

6.3 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Arsenic (50 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Turbidity (50 NTU, AL, FW miles)	1
Meeting Criteria	< 10%	Cadmium (2 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Nickel (88 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Lead (25 µg/l, AL, NC)	1
Meeting Criteria	< 10%	Copper (7 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Zinc (50 µg/l, AL, FW)	1
Meeting Criteria	< 10%	Mercury (0.012 µg/l, FC, FW)	1
Meeting Criteria	< 10%	Water Temperature (32°C, AL, LP&CP)	1
Meeting Criteria	< 10%	Dissolved Oxygen (4 mg/l, AL, FW)	1
Meeting Criteria	< 10%	pH (6 su, AL, FW)	1
Meeting Criteria	< 10%	pH (9.0, AL, FW)	1
Meeting Criteria	< 10%	Arsenic (10 µg/l, HH, NC)	1
Meeting Criteria	FCB AP GM<200 and <20%	Fecal Coliform (GM 200/400, REC, FW)	1
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f
Data Inconclusive	Not assessed	Iron (1000 µg/l, Natural, FW)	3z1

PEE DEE RIVER

From mouth of Hitchcock Creek to N.C.-S.C. State Line

13-(34)b

C

9.4 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f



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Pee Dee River Subbasin

Yadkin-Pee Dee River Basin

Assessment Unit Name	Assessment Unit Description		
Assessment Unit Number	Water Quality Classification	Length/Area	Units

PEE DEE RIVER (including Blewett Falls Lake below normal operating levels) From a point 0.8 mile downstream of mouth of Savannah Creek to Blewett Falls Dam

13-(26.5) WS-IV,B;CA 2,169.9 FW Acres

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	< 10%	Chloride (230 mg/l, AL, FW)	1
Meeting Criteria	< 10%	Flouride (1.8 mg/l, AL, FW)	1

Rocky Fork Creek (Mill stone Lake) From source to Ledbetter Lake, Hitchcock Creek

13-39-8 WS-III 9.5 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Data Inconclusive	Not Rated	Fish Community (Nar, AL, FW)	3a
Meeting Criteria	Fish Consumption Advisor	Fish Tissue Non Mercury (none exceeding criteria	1f

South Fork Jones Creek From source to Jones Creek

13-42-2 C 15.0 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good-Fair	Fish Community (Nar, AL, FW)	1

UT to Purlear Creek Source to Purlear Creek

12-31-1-8-(1)ut5 1.7 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Good	Benthos (Nar, AL, FW)	1

UT to Toms Creek From source to Toms Creek

12-72-14-(1)ut9 WS-II;HQW 3.6 FW Miles

Assessment Criteria Status	Reason for Rating	Parameter of Interest	Category
Meeting Criteria	Not Impaired	Benthos (Nar, AL, FW)	1