

# NC 2010 Integrated Report

Category 5-303(d) List Approved by EPA August 31, 2010

## NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number                | AU_Name                                 | AU_Description                               | LengthArea    | AU_Units        | Classification |
|--------------------------|---|--|---------------|-----------------|----------------|
| Category                 | Parameter                               | Reason for Rating                            | Use Category  | Collection Year | 303(d)year     |
| French Broad River Basin |   | Headwaters French Broad River Watershed      |               | 0601010501      |                |
| French Broad River Basin |   | French Broad River Subbasin                  |               | 06010105        |                |
| French Broad River Basin |   | Headwaters French Broad River Watershed      |               | 0601010501      |                |
| 6-3-13                   | Big Mountain Branch                     | From source to North Fork French Broad River | 1.6 FW Miles  | C;Tr            |                |
| 1                        | Ecological/biological Integrity Benthos | Excellent Bioclassification                  | Aquatic Life  | 2007            |                |
| 6-11                     | Cherryfield Creek                       | From source to French Broad River            | 4.1 FW Miles  | C;Tr            |                |
| 1                        | Ecological/biological Integrity Benthos | Excellent Bioclassification                  | Aquatic Life  | 2007            |                |
| 6-3-16                   | Diamond Creek                           | From source to North Fork French Broad River | 3.1 FW Miles  | C;Tr            |                |
| 1                        | Ecological/biological Integrity Benthos | Not Impaired Bioclassification               | Aquatic Life  | 2007            |                |
| 6-2-10                   | Flat Creek                              | From source to West Fork French Broad River  | 1.2 FW Miles  | C;Tr            |                |
| 1                        | Ecological/biological Integrity Benthos | Excellent Bioclassification                  | Aquatic Life  | 2007            |                |
| 6-(1)                    | FRENCH BROAD RIVER                      | From source to Nicholson Creek               | 19.7 FW Miles | B;Tr            |                |
| 1                        | Ecological/biological Integrity Benthos | Excellent Bioclassification                  | Aquatic Life  | 2007            |                |
| 1                        | Fecal Coliform (recreation)             | No Criteria Exceeded                         | Recreation    | 2008            |                |
| 1                        | Water Quality Standards Aquatic Life    | No Criteria Exceeded                         | Aquatic Life  | 2008            |                |
| 6-6-7                    | Gladly Fork                             | From source to East Fork French Broad River  | 1.0 FW Miles  | C;Tr            |                |
| 1                        | Ecological/biological Integrity Benthos | Excellent Bioclassification                  | Aquatic Life  | 2007            |                |
| 6-3-9                    | Laurel Branch                           | From source to North Fork French Broad River | 1.3 FW Miles  | C;Tr            |                |
| 1                        | Ecological/biological Integrity Benthos | Excellent Bioclassification                  | Aquatic Life  | 2007            |                |
| 6-11-3                   | Mason Creek                             | From source to Cherryfield Creek             | 2.6 FW Miles  | C;Tr            |                |
| 1                        | Ecological/biological Integrity Benthos | Not Impaired Bioclassification               | Aquatic Life  | 2001            |                |
| 6-5                      | Middle Fork French Broad River          | From source to French Broad River            | 4.1 FW Miles  | B;Tr            |                |
| 1                        | Ecological/biological Integrity Benthos | Excellent Bioclassification                  | Aquatic Life  | 2007            |                |
| 6-10-1b                  | Morgan Mill Creek (Kaiser Lake)         | From US 64 to River Mile 1.92                | 0.2 FW Miles  | B;Tr            |                |
| 1                        | Ecological/biological Integrity Benthos | Not Impaired Bioclassification               | Aquatic Life  | 2000            |                |

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number                       | AU_Name                                 | AU_Description   | LengthArea   | AU_Units             | Classification    |
|---------------------------------|---|--|--|----------------------|-------------------|
| Category                        | Parameter                               | Reason for Rating                                      | Use Category                                       | Collection Year      | 303(d)year        |
| <b>French Broad River Basin</b> |   |  | <b>Headwaters French Broad River Watershed</b>     |                      | <b>0601010501</b> |
| ⊙ 6-10-1c                       | <b>Morgan Mill Creek (Kaiser Lake)</b>  | From River Mile 1.92 to Peter Weaver Creek             |  | <b>0.1 FW Miles</b>  | B;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Not Impaired Bioclassification                         | Aquatic Life                                       | 2007                 |                   |
| ⊙ 6-3-(6.5)                     | <b>North Fork French Broad River</b>    | From Indian Creek to French Broad River                |  | <b>10.1 FW Miles</b> | B;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                            | Aquatic Life                                       | 2002                 |                   |
| ⊙ 6-2-4                         | <b>Parker Creek</b>                     | From source to West Fork French Broad River            |  | <b>4.2 FW Miles</b>  | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Good Bioclassification                                 | Aquatic Life                                       | 2007                 |                   |
| ⊙ 6-10b                         | <b>Peter Weaver Creek</b>               | From Morgan Mill Creek to French Broad River           |  | <b>0.8 FW Miles</b>  | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Not Impaired Bioclassification                         | Aquatic Life                                       | 2007                 |                   |
| ⊙ 6-3-10                        | <b>Tucker Creek</b>                     | From source to North Fork French Broad River           |  | <b>4.6 FW Miles</b>  | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                            | Aquatic Life                                       | 2007                 |                   |
| ⊙ 6-2-(0.5)a                    | <b>West Fork French Broad River</b>     | From source to Above trout farms                       |  | <b>1.4 FW Miles</b>  | B;Tr              |
| 3a                              | Ecological/biological Integrity FishCom | Not Rated Bioclassification                            | Aquatic Life                                       | 2003                 |                   |
| ⊙ 6-2-(0.5)b                    | <b>West Fork French Broad River</b>     | From Above trout farms to below trout farm             |  | <b>0.6 FW Miles</b>  | B;Tr              |
| 5                               | Ecological/biological Integrity Benthos | Fair Bioclassification                                 | Aquatic Life                                       | 2001                 | 1998              |
| 3a                              | Ecological/biological Integrity FishCom | Not Rated Bioclassification                            | Aquatic Life                                       | 2003                 |                   |
| ⊙ 6-2-(0.5)c                    | <b>West Fork French Broad River</b>     | From below trout farm to Transylvania County SR 1312   |  | <b>5.0 FW Miles</b>  | B;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                            | Aquatic Life                                       | 2007                 |                   |
| 3a                              | Ecological/biological Integrity FishCom | Not Rated Bioclassification                            | Aquatic Life                                       | 2003                 |                   |
| ⊙ 6-2-(7.5)                     | <b>West Fork French Broad River</b>     | From Transylvania County SR 1312 to French Broad River |  | <b>4.8 FW Miles</b>  | B;Tr,HQW          |
| 1                               | Ecological/biological Integrity Benthos | Good Bioclassification                                 | Aquatic Life                                       | 2007                 |                   |
| <b>French Broad River Basin</b> |   |  | <b>Davidson River-French Broad River Watershed</b> |                      | <b>0601010502</b> |
| ⊙ 6-34-12-3                     | <b>Big Bearpen Branch</b>               | From source to Looking Glass Creek                     |  | <b>2.1 FW Miles</b>  | B;Tr,HQW          |
| 1                               | Ecological/biological Integrity Benthos | Not Impaired Bioclassification                         | Aquatic Life                                       | 2005                 |                   |
| ⊙ 6-20b                         | <b>Carson Creek</b>                     | From Carson Creek dam to French Broad River            |  | <b>2.8 FW Miles</b>  | B;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                            | Aquatic Life                                       | 2002                 |                   |

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number                       | AU_Name                                 | AU_Description  | LengthArea   | AU_Units             | Classification    |
|---------------------------------|---|---|--|----------------------|-------------------|
| Category                        | Parameter                               | Reason for Rating                                     | Use Category                                       | Collection Year      | 303(d)year        |
| <b>French Broad River Basin</b> |   |   | <b>Davidson River-French Broad River Watershed</b> |                      | <b>0601010502</b> |
| ⊙ 6-38-23                       | <b>Crab Creek</b>                       | From source to Little River                           |  | <b>5.4 FW Miles</b>  | C;Tr,HQW          |
| 1                               | Ecological/biological Integrity FishCom | Good Bioclassification                                | Aquatic Life                                       | 2007                 |                   |
| ⊙ 6-34-(15.5)                   | <b>Davidson River</b>                   | From Avery Creek to Olin Corporation Water Supply Dam |  | <b>2.7 FW Miles</b>  | WS-V,B;Tr         |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                           | Aquatic Life                                       | 2007                 |                   |
| 1                               | Fecal Coliform (recreation)             | No Criteria Exceeded                                  | Recreation   | 2008                 |                   |
| 5                               | Low pH                                  | Standard Violation                                    | Aquatic Life                                       | 2008                 | 2008              |
| 1                               | Water Quality Standards Water Supply    | No Criteria Exceeded                                  | Water Supply                                       | 2008                 |                   |
| ⊙ 6-(1)                         | <b>FRENCH BROAD RIVER</b>               | From source to Nicholson Creek                        |  | <b>19.7 FW Miles</b> | B;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                           | Aquatic Life                                       | 2007                 |                   |
| 1                               | Fecal Coliform (recreation)             | No Criteria Exceeded                                  | Recreation   | 2008                 |                   |
| 1                               | Water Quality Standards Aquatic Life    | No Criteria Exceeded                                  | Aquatic Life                                       | 2008                 |                   |
| ⊙ 6-38-(20)                     | <b>Little River</b>                     | From Cascade Lake Dam to French Broad River           |  | <b>4.9 FW Miles</b>  | C                 |
| 1                               | Ecological/biological Integrity Benthos | Good-Fair Bioclassification                           | Aquatic Life                                       | 2007                 |                   |
| 1                               | Ecological/biological Integrity FishCom | Good-Fair Bioclassification                           | Aquatic Life                                       | 2002                 |                   |
| ⊙ 6-38-(1)                      | <b>Little River (Cascade Lake)</b>      | From source to Merrill Creek (Cascade Lake Dam)       |  | <b>14.8 FW Miles</b> | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                           | Aquatic Life                                       | 2007                 |                   |
| 1                               | Fecal Coliform (recreation)             | No Criteria Exceeded                                  | Recreation   | 2008                 |                   |
| 3a                              | High Water Temperature                  | Potential Standards Violation                         | Aquatic Life                                       | 2008                 |                   |
| 1                               | Water Quality Standards Aquatic Life    | No Criteria Exceeded                                  | Aquatic Life                                       | 2008                 |                   |
| ⊙ 6-34-12-3-1                   | <b>Log Hollow Branch</b>                | From source to Big Bearpen Branch                     |  | <b>1.6 FW Miles</b>  | B;Tr,HQW          |
| 1                               | Ecological/biological Integrity Benthos | Not Impaired Bioclassification                        | Aquatic Life                                       | 2005                 |                   |
| <b>French Broad River Basin</b> |   |   | <b>Mud Creek Watershed</b>                         |                      | <b>0601010503</b> |
| ⊙ 6-55-8-1a                     | <b>Bat Fork</b>                         | From source to State Route 1779                       |  | <b>4.8 FW Miles</b>  | C                 |
| 5                               | Ecological/biological Integrity Benthos | Poor Bioclassification                                | Aquatic Life                                       | 1989                 | 1998              |
| ⊙ 6-55-8-1b                     | <b>Bat Fork</b>                         | From State Route 1779 to Johnson Drainage Ditch       |  | <b>1.5 FW Miles</b>  | C                 |
| 5                               | Ecological/biological Integrity FishCom | Poor Bioclassification                                | Aquatic Life                                       | 2002                 | 1998              |
| ⊙ 6-55-11-(1)a                  | <b>Clear Creek</b>                      | From source to Laurel Creek                           |  | <b>2.7 FW Miles</b>  | B;Tr              |
| 5                               | Ecological/biological Integrity Benthos | Poor Bioclassification                                | Aquatic Life                                       | 2001                 | 2000              |

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number                       | AU_Name                                 | AU_Description  | LengthArea                 | AU_Units        | Classification    |
|---------------------------------|---|---|----------------------------|-----------------|-------------------|
| Category                        | Parameter                               | Reason for Rating   | Use Category               | Collection Year | 303(d)year        |
| <b>French Broad River Basin</b> |   |   | <b>Mud Creek Watershed</b> |                 | <b>0601010503</b> |
| ⊙ 6-55-11-(1)b                  | <b>Clear Creek</b>                      | From Laurel Creek to Puncheon Camp Creek  | <b>2.5 FW Miles</b>        |                 | B;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Good-Fair Bioclassification   | Aquatic Life               | 2006            |                   |
| ⊙ 6-55-11-(1)c                  | <b>Clear Creek</b>                      | From Puncheon Camp Creek to Lewis Creek   | <b>2.1 FW Miles</b>        |                 | B;Tr              |
| 5                               | Ecological/biological Integrity Benthos | Poor Bioclassification  | Aquatic Life               | 2001            | 2000              |
| 5                               | Ecological/biological Integrity FishCom | Fair Bioclassification  | Aquatic Life               | 2001            | 2000              |
| ⊙ 6-55-11-(5)a                  | <b>Clear Creek</b>                      | From Lewis Creek to Laurel Branch   | <b>1.8 FW Miles</b>        |                 | C                 |
| 5                               | Ecological/biological Integrity Benthos | Poor Bioclassification  | Aquatic Life               | 2006            | 2010              |
| ⊙ 6-55-11-(5)b                  | <b>Clear Creek</b>                      | From Laurel Branch to Mud Creek   | <b>4.7 FW Miles</b>        |                 | C                 |
| 1                               | Ecological/biological Integrity Benthos | Good-Fair Bioclassification   | Aquatic Life               | 2007            |                   |
| ⊙ 6-55-8-2b                     | <b>Devils Fork</b>                      | From first unnamed tributary west of State Route 1006 to Johnson Drainage Ditch | <b>2.7 FW Miles</b>        |                 | C                 |
| 5                               | Ecological/biological Integrity Benthos | Poor Bioclassification  | Aquatic Life               | 2000            | 2006              |
| ⊙ 6-55-11-6                     | <b>Lewis Creek</b>                      | From source to Clear Creek  | <b>3.8 FW Miles</b>        |                 | C;Tr              |
| 5                               | Ecological/biological Integrity Benthos | Fair Bioclassification  | Aquatic Life               | 2006            | 2008              |
| ⊙ 6-55a                         | <b>Mud Creek</b>                        | From source to State Route 1125   | <b>2.4 FW Miles</b>        |                 | C                 |
| 1                               | Ecological/biological Integrity Benthos | Not Impaired Bioclassification  | Aquatic Life               | 2001            |                   |
| ⊙ 6-55b                         | <b>Mud Creek</b>                        | From State Route 1125 to Little Mud Creek                                       | <b>1.9 FW Miles</b>        |                 | C                 |
| 5                               | Ecological/biological Integrity Benthos | Fair Bioclassification  | Aquatic Life               | 2007            | 1998              |
| 5                               | Ecological/biological Integrity FishCom | Poor Bioclassification  | Aquatic Life               | 2002            | 1998              |
| ⊙ 6-55c                         | <b>Mud Creek</b>                        | From Little Mud Creek to Byers Creek  | <b>11.0 FW Miles</b>       |                 | C                 |
| 5                               | Ecological/biological Integrity Benthos | Fair Bioclassification  | Aquatic Life               | 2000            | 2006              |
| 5                               | Ecological/biological Integrity FishCom | Fair Bioclassification  | Aquatic Life               | 2002            | 2006              |
| 3a                              | Fecal Coliform (recreation)             | Potential Standards Violation   | Recreation                 | 2008            |                   |
| 1                               | Water Quality Standards Aquatic Life    | No Criteria Exceeded  | Aquatic Life               | 2008            |                   |
| ⊙ 6-55c                         | <b>Mud Creek</b>                        | From Little Mud Creek to Byers Creek  | <b>11.0 FW Miles</b>       |                 | C                 |
| 5                               | Ecological/biological Integrity Benthos | Fair Bioclassification  | Aquatic Life               | 2000            | 2006              |
| 5                               | Ecological/biological Integrity FishCom | Fair Bioclassification  | Aquatic Life               | 2002            | 2006              |
| 3a                              | Fecal Coliform (recreation)             | Potential Standards Violation   | Recreation                 | 2008            |                   |
| 1                               | Water Quality Standards Aquatic Life    | No Criteria Exceeded  | Aquatic Life               | 2008            |                   |
| ⊙ 6-55d                         | <b>Mud Creek</b>                        | From Byers Creek to French Broad River  | <b>2.2 FW Miles</b>        |                 | C                 |
| 5                               | Ecological/biological Integrity Benthos | Fair Bioclassification  | Aquatic Life               | 2007            | 2006              |

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number                       | AU_Name                                 | AU_Description  | LengthArea                                      | AU_Units        | Classification    |
|---------------------------------|---|---|---|-----------------|-------------------|
| Category                        | Parameter                               | Reason for Rating   | Use Category                                    | Collection Year | 303(d)year        |
| <b>French Broad River Basin</b> |   |   | <b>Mud Creek Watershed</b>                      |                 | <b>0601010503</b> |
| ⊙ 6-55cut15                     | UT to Mud Creek                         | From source to Mud Creek  | <b>1.1 FW Miles</b>                             |                 |                   |
| 1                               | Water Quality Standards Aquatic Life    | No Criteria Exceeded  | Aquatic Life                                    | 2008            |                   |
| <b>French Broad River Basin</b> |   |   | <b>Mills River-French Broad River Watershed</b> |                 | <b>0601010504</b> |
| ⊙ 6-54-2-6-1                    | Bad Fork                                | From source to Wash Creek   | <b>1.5 FW Miles</b>                             |                 | WS-II;Tr,HQ       |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification   | Aquatic Life                                    | 2006            |                   |
| ⊙ 6-54-3-3                      | Barnett Branch                          | From source to South Fork Mills River                                 | <b>1.8 FW Miles</b>                             |                 | WS-II;Tr,OR       |
| 1                               | Ecological/biological Integrity Benthos | Not Impaired Bioclassification  | Aquatic Life                                    | 2005            |                   |
| ⊙ 6-52-(6.5)                    | Boylston Creek                          | From a point 0.3 mile upstream of Murray Branch to French Broad River | <b>6.1 FW Miles</b>                             |                 | WS-IV             |
| 1                               | Ecological/biological Integrity Benthos | Good-Fair Bioclassification   | Aquatic Life                                    | 2007            |                   |
| 1                               | Ecological/biological Integrity FishCom | Good Bioclassification  | Aquatic Life                                    | 2002            |                   |
| ⊙ 6-54-6                        | Brandy Branch                           | From source to Mills River  | <b>2.1 FW Miles</b>                             |                 | WS-III            |
| 5                               | Ecological/biological Integrity Benthos | Fair Bioclassification  | Aquatic Life                                    | 1994            | 2000              |
| ⊙ 6-(27)c                       | <b>FRENCH BROAD RIVER</b>               | From Glade Creek to Bryson Creek                                      | <b>8.8 FW Miles</b>                             |                 | B                 |
| 1                               | Fecal Coliform (recreation)             | No Criteria Exceeded  | Recreation                                      | 2008            |                   |
| 1                               | Water Quality Standards Aquatic Life    | No Criteria Exceeded  | Aquatic Life                                    | 2008            |                   |
| ⊙ 6-(54.5)b                     | <b>FRENCH BROAD RIVER</b>               | From Mud Creek to NC 146  | <b>8.2 FW Miles</b>                             |                 | B                 |
| 1                               | Ecological/biological Integrity Benthos | Good-Fair Bioclassification   | Aquatic Life                                    | 2007            |                   |
| 1r                              | Fecal Coliform (recreation)             | No Criteria Exceeded  | Recreation                                      | 2008            |                   |
| 1                               | Water Quality Standards Aquatic Life    | No Criteria Exceeded  | Aquatic Life                                    | 2008            |                   |
| ⊙ 6-47                          | Gash Creek                              | From source to French Broad River                                     | <b>3.7 FW Miles</b>                             |                 | C                 |
| 3a                              | Ecological/biological Integrity Benthos | Not Rated Bioclassification   | Aquatic Life                                    | 2002            |                   |
| ⊙ 6-51                          | Mill Pond Creek                         | From source to French Broad River                                     | <b>3.1 FW Miles</b>                             |                 | WS-IV             |
| 3a                              | Ecological/biological Integrity Benthos | Not Rated Bioclassification   | Aquatic Life                                    | 2007            |                   |

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number                       | AU_Name   | AU_Description    | LengthArea                                      | AU_Units        | Classification    |
|---------------------------------|-----------|-------------------|---|-----------------|-------------------|
| Category                        | Parameter | Reason for Rating | Use Category                                    | Collection Year | 303(d)year        |
| <b>French Broad River Basin</b> |           |                   | <b>Mills River-French Broad River Watershed</b> |                 | <b>0601010504</b> |

⊙ **6-54-(1)b**      **Mills River**      From River Mile 1.03 to a point 0.5 mile upstream of N.C. Hwy. 191      **1.8 FW Miles**      WS-II;Tr,HQW

|    |   |                               |              |      |  |
|----|---|-------------------------------|--------------|------|--|
| 1  | Ecological/biological Integrity Benthos | Good Bioclassification        | Aquatic Life | 2007 |  |
| 1  | Fecal Coliform (recreation)             | No Criteria Exceeded          | Recreation   | 2008 |  |
| 3a | High Water Temperature                  | Potential Standards Violation | Aquatic Life | 2008 |  |
| 1  | Water Quality Standards Aquatic Life    | No Criteria Exceeded          | Aquatic Life | 2008 |  |
| 1  | Water Quality Standards Water Supply    | No Criteria Exceeded          | Water Supply | 2008 |  |

⊙ **6-54-(5)**      **Mills River**      From City of Hendersonville water supply intake to a point 0.7 mile upstream of mouth of Mills River      **1.8 FW Miles**      WS-III

|   |   |                        |              |      |  |
|---|---|------------------------|--------------|------|--|
| 1 | Ecological/biological Integrity Benthos | Good Bioclassification | Aquatic Life | 2007 |  |
|---|---|------------------------|--------------|------|--|

⊙ **6-54-2-(4)**      **North Fork Mills River**      From Hendersonville Water Supply Dam to Rocky Fork      **2.9 FW Miles**      WS-II;Tr,HQW

|   |   |                             |              |      |  |
|---|---|-----------------------------|--------------|------|--|
| 1 | Ecological/biological Integrity Benthos | Excellent Bioclassification | Aquatic Life | 2002 |  |
|---|---|-----------------------------|--------------|------|--|

⊙ **6-54-2-(9)**      **North Fork Mills River**      From North Fork Mills River Recreation Area Swimming Pool Intake to Mills River      **2.5 FW Miles**      WS-II;Tr,HQW

|   |   |                             |              |      |  |
|---|---|-----------------------------|--------------|------|--|
| 1 | Ecological/biological Integrity Benthos | Good Bioclassification      | Aquatic Life | 2002 |  |
| 1 | Ecological/biological Integrity FishCom | Excellent Bioclassification | Aquatic Life | 2007 |  |

⊙ **6-54-3-(17.5)**      **South Fork Mills River**      From the upstream side of mouth of Queen Creek to Mills River      **4.2 FW Miles**      WS-II;Tr,HQW

|   |   |                        |              |      |      |
|---|---|------------------------|--------------|------|------|
| 5 | Ecological/biological Integrity Benthos | Fair Bioclassification | Aquatic Life | 2007 | 2010 |
| 1 | Ecological/biological Integrity FishCom | Good Bioclassification | Aquatic Life | 2007 |      |

⊙ **6-(47.5)ut23**      **UT FRENCH BROAD R**      Source to FRENCH BROAD R      **0.6 FW Miles**

|    |   |                             |              |      |      |
|----|---|-----------------------------|--------------|------|------|
| 3a | Ecological/biological Integrity Benthos | Not Rated Bioclassification | Aquatic Life | 2007 |      |
| 5  | Low Dissolved Oxygen                    | Standard Violation          | Aquatic Life | 2008 | 2010 |

**French Broad River Basin**      **Hominy Creek Watershed**      **0601010505**

⊙ **6-76-5-8**      **Beaverdam Creek**      From source to South Hominy Creek      **6.2 FW Miles**      C;Tr

|    |   |                             |              |      |  |
|----|---|-----------------------------|--------------|------|--|
| 1  | Ecological/biological Integrity Benthos | Good Bioclassification      | Aquatic Life | 2002 |  |
| 3a | Ecological/biological Integrity FishCom | Not Rated Bioclassification | Aquatic Life | 2003 |  |

⊙ **6-76-7a**      **Bill Moore Creek (Enka Lake)**      From source to backwaters of Enka Lake      **2.9 FW Miles**      C

|   |   |                                |              |      |  |
|---|---|--------------------------------|--------------|------|--|
| 1 | Ecological/biological Integrity Benthos | Not Impaired Bioclassification | Aquatic Life | 2002 |  |
|---|---|--------------------------------|--------------|------|--|

⊙ **6-76-12**      **Canie Creek**      From source to Hominy Creek      **2.3 FW Miles**      C

|    |   |                             |              |      |  |
|----|---|-----------------------------|--------------|------|--|
| 3a | Ecological/biological Integrity Benthos | Not Rated Bioclassification | Aquatic Life | 2002 |  |
|----|---|-----------------------------|--------------|------|--|

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number                       | AU_Name                                 | AU_Description                           | LengthArea                    | AU_Units            | Classification    |
|---------------------------------|---|--|-------------------------------|---------------------|-------------------|
| Category                        | Parameter                               | Reason for Rating                        | Use Category                  | Collection Year     | 303(d)year        |
| <b>French Broad River Basin</b> |   |  | <b>Hominy Creek Watershed</b> |                     | <b>0601010505</b> |
| ⊙ 6-76-5-3-2                    | <b>Chestnut Creek</b>                   | From source to Stony Fork                |                               | <b>1.6 FW Miles</b> | C;Tr              |
| 3a                              | Ecological/biological Integrity FishCom | Not Rated Bioclassification              | Aquatic Life                  | 2003                |                   |
| ⊙ 6-76-5-5                      | <b>Gladly Fork</b>                      | From source to South Hominy Creek        |                               | <b>3.4 FW Miles</b> | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Good Bioclassification                   | Aquatic Life                  | 2004                |                   |
| ⊙ 6-76a                         | <b>Hominy Creek</b>                     | From source to George Branch             |                               | <b>9.7 FW Miles</b> | C                 |
| 1                               | Ecological/biological Integrity Benthos | Good Bioclassification                   | Aquatic Life                  | 2002                |                   |
| ⊙ 6-76b                         | <b>Hominy Creek</b>                     | From George Branch to South Hominy Creek |                               | <b>3.1 FW Miles</b> | C                 |
| 1                               | Ecological/biological Integrity Benthos | Good-Fair Bioclassification              | Aquatic Life                  | 2007                |                   |
| 1                               | Ecological/biological Integrity FishCom | Fair Bioclassification                   | Aquatic Life                  | 2007                |                   |
| ⊙ 6-76c                         | <b>Hominy Creek</b>                     | From South Hominy Creek to Moore Creek   |                               | <b>3.3 FW Miles</b> | C                 |
| 1                               | Ecological/biological Integrity Benthos | Good-Fair Bioclassification              | Aquatic Life                  | 2002                |                   |
| ⊙ 6-76d                         | <b>Hominy Creek</b>                     | From Moore Creek to French Broad River   |                               | <b>7.8 FW Miles</b> | C                 |
| 4s                              | Ecological/biological Integrity Benthos | Fair Bioclassification                   | Aquatic Life                  | 2007                |                   |
| 3a                              | Fecal Coliform (recreation)             | Potential Standards Violation            | Recreation                    | 2008                |                   |
| 5                               | Turbidity                               | Standard Violation                       | Aquatic Life                  | 2008                | 2008              |
| ⊙ 6-76-8                        | <b>Moore Creek</b>                      | From source to Hominy Creek              |                               | <b>3.2 FW Miles</b> | C                 |
| 3a                              | Ecological/biological Integrity Benthos | Not Rated Bioclassification              | Aquatic Life                  | 2002                |                   |
| ⊙ 6-76-6                        | <b>Pole Creek</b>                       | From source to Hominy Creek              |                               | <b>5.3 FW Miles</b> | C                 |
| 3a                              | Ecological/biological Integrity Benthos | Not Rated Bioclassification              | Aquatic Life                  | 2002                |                   |
| ⊙ 6-76-5a                       | <b>South Hominy Creek</b>               | From source to Warren Creek              |                               | <b>4.7 FW Miles</b> | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Good Bioclassification                   | Aquatic Life                  | 2004                |                   |
| ⊙ 6-76-5b                       | <b>South Hominy Creek</b>               | From Warren Creek to Hominy Creek        |                               | <b>7.7 FW Miles</b> | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Good Bioclassification                   | Aquatic Life                  | 2007                |                   |
| 1                               | Ecological/biological Integrity FishCom | Good Bioclassification                   | Aquatic Life                  | 2007                |                   |
| ⊙ 6-76-5-3                      | <b>Stony Fork</b>                       | From source to South Hominy Creek        |                               | <b>4.5 FW Miles</b> | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Good Bioclassification                   | Aquatic Life                  | 2002                |                   |
| ⊙ 6-76-5-4                      | <b>Warren Creek</b>                     | From source to South Hominy Creek        |                               | <b>3.5 FW Miles</b> | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Good-Fair Bioclassification              | Aquatic Life                  | 2004                |                   |
| 3a                              | Ecological/biological Integrity FishCom | Not Rated Bioclassification              | Aquatic Life                  | 2003                |                   |

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number                       | AU_Name                                      | AU_Description                                     | LengthArea                       | AU_Units             | Classification    |
|---------------------------------|--|--|----------------------------------|----------------------|-------------------|
| Category                        | Parameter                                    | Reason for Rating                                  | Use Category                     | Collection Year      | 303(d)year        |
| <b>French Broad River Basin</b> |  |  | <b>Hominy Creek Watershed</b>    |                      | <b>0601010505</b> |
| ⊙ 6-76-4                        | <b>Webb Branch</b>                           | From source to Hominy Creek                        |                                  | <b>3.8 FW Miles</b>  | <b>C</b>          |
| 3a                              | Ecological/biological Integrity Benthos      | Not Rated Bioclassification                        | Aquatic Life                     | 2002                 |                   |
| <b>French Broad River Basin</b> |  |  | <b>Swannanoa River Watershed</b> |                      | <b>0601010506</b> |
| ⊙ 6-78-15-(1)                   | <b>Beetree Creek<br/>(Beetree Reservoir)</b> | From source to Asheville Water Supply Dam          |                                  | <b>5.0 FW Miles</b>  | <b>WS-I;HQW</b>   |
| 1                               | Water Quality Standards Water Supply         | No Criteria Exceeded                               | Water Supply                     | 2008                 |                   |
| ⊙ 6-(54.5)c                     | <b>FRENCH BROAD<br/>RIVER</b>                | From NC 146 to Craggy Dam                          |                                  | <b>19.0 FW Miles</b> | <b>B</b>          |
| 1                               | Ecological/biological Integrity Benthos      | Good-Fair Bioclassification                        | Aquatic Life                     | 2007                 |                   |
| 1                               | Fecal Coliform (recreation)                  | No Criteria Exceeded                               | Recreation                       | 2008                 |                   |
| 1                               | Water Quality Standards Aquatic Life         | No Criteria Exceeded                               | Aquatic Life                     | 2008                 |                   |
| ⊙ 6-78-11-(13)                  | <b>North Fork<br/>Swannanoa River</b>        | From Asheville Water Supply Dam to Swannanoa River |                                  | <b>5.3 FW Miles</b>  | <b>C</b>          |
| 1                               | Ecological/biological Integrity Benthos      | Good-Fair Bioclassification                        | Aquatic Life                     | 2002                 |                   |
| ⊙ 6-78-23a                      | <b>Ross Creek (Lake<br/>Kenilworth)</b>      | From source to I-240                               |                                  | <b>2.6 FW Miles</b>  | <b>B</b>          |
| 1                               | Ecological/biological Integrity Benthos      | Not Impaired Bioclassification                     | Aquatic Life                     | 2002                 |                   |
| ⊙ 6-78-23b                      | <b>Ross Creek (Lake<br/>Kenilworth)</b>      | From I-240 to backwaters of Lake Kenilworth        |                                  | <b>1.1 FW Miles</b>  | <b>B</b>          |
| 5                               | Ecological/biological Integrity Benthos      | Poor Bioclassification                             | Aquatic Life                     | 1999                 | 2000              |
| ⊙ 6-78-23c                      | <b>Ross Creek (Lake<br/>Kenilworth)</b>      | Lake Kenilworth                                    |                                  | <b>12.0 FW Acres</b> | <b>B</b>          |
| 1                               | Water Quality Standards Aquatic Life         | No Criteria Exceeded                               | Aquatic Life                     | 2008                 |                   |
| ⊙ 6-78a                         | <b>Swannanoa River</b>                       | From source to North Fork Swannanoa River          |                                  | <b>7.0 FW Miles</b>  | <b>C</b>          |
| 5                               | Ecological/biological Integrity Benthos      | Fair Bioclassification                             | Aquatic Life                     | 2003                 | 2006              |
| ⊙ 6-78b                         | <b>Swannanoa River</b>                       | From North Fork Swannanoa River to Beetree Creek   |                                  | <b>4.6 FW Miles</b>  | <b>C</b>          |
| 1                               | Ecological/biological Integrity Benthos      | Good-Fair Bioclassification                        | Aquatic Life                     | 2002                 |                   |
| 1                               | Ecological/biological Integrity FishCom      | Good Bioclassification                             | Aquatic Life                     | 2002                 |                   |
| ⊙ 6-78c                         | <b>Swannanoa River</b>                       | From Beetree Creek to Bull Creek                   |                                  | <b>2.6 FW Miles</b>  | <b>C</b>          |
| 1                               | Ecological/biological Integrity Benthos      | Good-Fair Bioclassification                        | Aquatic Life                     | 2007                 |                   |

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number                       | AU_Name                                 | AU_Description                              | LengthArea                                     | AU_Units             | Classification    |
|---------------------------------|---|---|--|----------------------|-------------------|
| Category                        | Parameter                               | Reason for Rating                           | Use Category                                   | Collection Year      | 303(d)year        |
| <b>French Broad River Basin</b> |   |   | <b>Swannanoa River Watershed</b>               |                      | <b>0601010506</b> |
| ⊙ 6-78d                         | <b>Swannanoa River</b>                  | From Bull Creek to French Broad River       |  | <b>11.5 FW Miles</b> | <b>C</b>          |
| 1                               | Ecological/biological Integrity Benthos | Good-Fair Bioclassification                 | Aquatic Life                                   | 2007                 |                   |
| 1                               | Fecal Coliform (recreation)             | No Criteria Exceeded                        | Recreation                                     | 2008                 |                   |
| 1                               | Water Quality Standards Aquatic Life    | No Criteria Exceeded                        | Aquatic Life                                   | 2008                 |                   |
| <b>French Broad River Basin</b> |   |   | <b>Cane Creek-French Broad River Watershed</b> |                      | <b>0601010507</b> |
| ⊙ 6-60                          | <b>Avery Creek (Dubose Lake)</b>        | From source to French Broad River           |  | <b>5.9 FW Miles</b>  | <b>B</b>          |
| 1                               | Ecological/biological Integrity FishCom | Good-Fair Bioclassification                 | Aquatic Life                                   | 2007                 |                   |
| ⊙ 6-67-(7)                      | <b>Bent Creek</b>                       | From Powhatan Dam to French Broad River     |  | <b>3.0 FW Miles</b>  | <b>B</b>          |
| 1                               | Ecological/biological Integrity Benthos | Good Bioclassification                      | Aquatic Life                                   | 2008                 |                   |
| 1                               | Ecological/biological Integrity FishCom | Good Bioclassification                      | Aquatic Life                                   | 2007                 |                   |
| ⊙ 6-57-(9)a                     | <b>Cane Creek</b>                       | From Ashworth Creek to Cushion Branch       |  | <b>9.6 FW Miles</b>  | <b>C</b>          |
| 5                               | Ecological/biological Integrity Benthos | Poor Bioclassification                      | Aquatic Life                                   | 2007                 | 2006              |
| ⊙ 6-57-(9)b                     | <b>Cane Creek</b>                       | From Cushion Branch to French Broad River   |  | <b>2.4 FW Miles</b>  | <b>C</b>          |
| 1                               | Ecological/biological Integrity FishCom | Good Bioclassification                      | Aquatic Life                                   | 2002                 |                   |
| ⊙ 6-77                          | <b>Moore Branch</b>                     | From source to French Broad River           |  | <b>1.2 FW Miles</b>  | <b>C</b>          |
| 3a                              | Ecological/biological Integrity Benthos | Not Rated Bioclassification                 | Aquatic Life                                   | 2006                 |                   |
| <b>French Broad River Basin</b> |   |   | <b>Ivy Creek Watershed</b>                     |                      | <b>0601010508</b> |
| ⊙ 6-96-10-5                     | <b>Big Branch</b>                       | From source to Little Ivy Creek             |  | <b>2.9 FW Miles</b>  | <b>WS-II;HQW</b>  |
| 3a                              | Ecological/biological Integrity Benthos | Not Rated Bioclassification                 | Aquatic Life                                   | 2002                 |                   |
| ⊙ 6-96-16                       | <b>Bull Creek</b>                       | From source to Ivy Creek                    |  | <b>3.8 FW Miles</b>  | <b>C</b>          |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                 | Aquatic Life                                   | 2007                 |                   |
| 1                               | Ecological/biological Integrity FishCom | Good-Fair Bioclassification                 | Aquatic Life                                   | 2007                 |                   |
| ⊙ 6-96-10-2a                    | <b>California Creek</b>                 | From source to Sprinkle Creek               |  | <b>3.6 FW Miles</b>  | <b>WS-II;HQW</b>  |
| 1                               | Ecological/biological Integrity Benthos | Not Impaired Bioclassification              | Aquatic Life                                   | 2002                 |                   |
| ⊙ 6-96-10-2b                    | <b>California Creek</b>                 | From Sprinke Creek to Little Ivy Creek      |  | <b>3.8 FW Miles</b>  | <b>WS-II;HQW</b>  |
| 3a                              | Ecological/biological Integrity Benthos | Not Rated Bioclassification                 | Aquatic Life                                   | 2002                 |                   |
| ⊙ 6-96-10-1-8                   | <b>Crooked Creek</b>                    | From source to Middle Fork Little Ivy Creek |  | <b>3.7 FW Miles</b>  | <b>WS-II;HQW</b>  |
| 1                               | Ecological/biological Integrity Benthos | Good Bioclassification                      | Aquatic Life                                   | 2007                 |                   |

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number                       | AU_Name                                 | AU_Description  | LengthArea  | AU_Units             | Classification    |
|---------------------------------|---|---|---|----------------------|-------------------|
| Category                        | Parameter                               | Reason for Rating   | Use Category  | Collection Year      | 303(d)year        |
| <b>French Broad River Basin</b> |   |   | <b>Ivy Creek Watershed</b>                          |                      | <b>0601010508</b> |
| ⊙ 6-96-(0.5)                    | <b>Ivy Creek (River)</b>                | From source to Adkins Branch  |   | <b>7.4 FW Miles</b>  | WS-II;HQW         |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification   | Aquatic Life  | 2007                 |                   |
| 1                               | Ecological/biological Integrity FishCom | Excellent Bioclassification   | Aquatic Life  | 2002                 |                   |
| ⊙ 6-96-(11.7)                   | <b>Ivy Creek (River)</b>                | From a point 0.6 mile downstream of Adkins Branch to French Broad River |   | <b>10.5 FW Miles</b> | C                 |
| 1                               | Ecological/biological Integrity Benthos | Good Bioclassification  | Aquatic Life  | 2007                 |                   |
| 1                               | Ecological/biological Integrity FishCom | Good Bioclassification  | Aquatic Life  | 1993                 |                   |
| ⊙ 6-96-10a                      | <b>Little Ivy Creek (River)</b>         | From California Creek to State Route 1547                               |   | <b>2.6 FW Miles</b>  | WS-II;HQW         |
| 1                               | Ecological/biological Integrity FishCom | Good Bioclassification  | Aquatic Life  | 2007                 |                   |
| ⊙ 6-96-10b                      | <b>Little Ivy Creek (River)</b>         | From State Route 1547 to Ivy Creek                                      |   | <b>2.1 FW Miles</b>  | WS-II;HQW         |
| 1                               | Ecological/biological Integrity Benthos | Good-Fair Bioclassification   | Aquatic Life  | 2007                 |                   |
| ⊙ 6-96-10-1a                    | <b>Middle Fork Little Ivy Creek</b>     | From source to Bailey Branch  |   | <b>3.5 FW Miles</b>  | WS-II;HQW         |
| 1                               | Ecological/biological Integrity Benthos | Not Impaired Bioclassification  | Aquatic Life  | 2002                 |                   |
| ⊙ 6-96-10-3                     | <b>Paint Fork</b>                       | From source to Little Ivy Creek   |   | <b>7.1 FW Miles</b>  | WS-II;HQW         |
| 1                               | Ecological/biological Integrity Benthos | Not Impaired Bioclassification  | Aquatic Life  | 2002                 |                   |
| <b>French Broad River Basin</b> |   |   | <b>Sandymush Creek-French Broad River Watershed</b> |                      | <b>0601010509</b> |
| ⊙ 6-79-2                        | <b>Emma Branch</b>                      | From source to Smith Mill Creek   |   | <b>2.7 FW Miles</b>  | C                 |
| 3a                              | Ecological/biological Integrity Benthos | Not Rated Bioclassification   | Aquatic Life  | 2006                 |                   |
| ⊙ 6-88                          | <b>Flat Creek</b>                       | From source to French Broad River                                       |   | <b>11.1 FW Miles</b> | C                 |
| 1                               | Ecological/biological Integrity Benthos | Good-Fair Bioclassification   | Aquatic Life  | 2002                 |                   |
| 1                               | Ecological/biological Integrity FishCom | Good Bioclassification  | Aquatic Life  | 2002                 |                   |
| ⊙ 6-(54.5)d                     | <b>FRENCH BROAD RIVER</b>               | From Craggy Dam to Fletcher Martin Road                                 |   | <b>6.4 FW Miles</b>  | B                 |
| 1                               | Ecological/biological Integrity Benthos | Good-Fair Bioclassification   | Aquatic Life  | 2007                 |                   |
| 1                               | Fecal Coliform (recreation)             | No Criteria Exceeded  | Recreation  | 2008                 |                   |
| 5                               | Turbidity                               | Standard Violation  | Aquatic Life  | 2008                 | 2008              |
| ⊙ 6-(54.5)e                     | <b>FRENCH BROAD RIVER</b>               | From Fletcher Martin Road to Sandymush Creek                            |   | <b>3.9 FW Miles</b>  | B                 |
| 5                               | Ecological/biological Integrity Benthos | Fair Bioclassification  | Aquatic Life  | 2002                 | 2006              |

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number | AU_Name   | AU_Description    | LengthArea   | AU_Units        | Classification |
|-----------|-----------|-------------------|--------------|-----------------|----------------|
| Category  | Parameter | Reason for Rating | Use Category | Collection Year | 303(d)year     |

**French Broad River Basin** **Sandymush Creek-French Broad River Watershed** **0601010509**

|                  |   |   |                      |             |
|------------------|---|---|----------------------|-------------|
| <b>6-(54.5)f</b> | <b>FRENCH BROAD RIVER</b>               | From Sandymush Creek to North Carolina-Tennessee State Line | <b>33.1 FW Miles</b> | <b>B</b>    |
| 1                | Ecological/biological Integrity Benthos | Good-Fair Bioclassification                                 | Aquatic Life         | 2007        |
| 1                | Fecal Coliform (recreation)             | No Criteria Exceeded  | Recreation           | 2008        |
| 5                | Turbidity                               | Standard Violation  | Aquatic Life         | 2008 2008   |
| <b>6-84a</b>     | <b>Newfound Creek</b>                   | From source to SR 1296                                      | <b>3.9 FW Miles</b>  | <b>C</b>    |
| 5                | Ecological/biological Integrity Benthos | Fair Bioclassification                                      | Aquatic Life         | 2002 2006   |
| <b>6-84b</b>     | <b>Newfound Creek</b>                   | From State Route 1296 to SR 1297                            | <b>1.3 FW Miles</b>  | <b>C</b>    |
| 5                | Ecological/biological Integrity Benthos | Fair Bioclassification                                      | Aquatic Life         | 2002 1998   |
| 4t               | Fecal Coliform (recreation)             | Standard Violation  | Recreation           | 2008 2006   |
| <b>6-84c</b>     | <b>Newfound Creek</b>                   | From State Route 1297to State Route 1378                    | <b>2.3 FW Miles</b>  | <b>C</b>    |
| 5                | Ecological/biological Integrity Benthos | Fair Bioclassification                                      | Aquatic Life         | 2002 1998   |
| 4t               | Fecal Coliform (recreation)             | Standard Violation  | Recreation           | 2008 2006   |
| <b>6-84d</b>     | <b>Newfound Creek</b>                   | From State Route 1378 to Dix Creek                          | <b>4.4 FW Miles</b>  | <b>C</b>    |
| 5                | Ecological/biological Integrity Benthos | Fair Bioclassification                                      | Aquatic Life         | 2007 1998   |
| 4t               | Fecal Coliform (recreation)             | Standard Violation  | Recreation           | 2008 2006   |
| <b>6-84e</b>     | <b>Newfound Creek</b>                   | From Dix Creek to French Broad River                        | <b>1.7 FW Miles</b>  | <b>C</b>    |
| 1                | Ecological/biological Integrity FishCom | Good Bioclassification                                      | Aquatic Life         | 2002        |
| <b>6-87-(1)</b>  | <b>Reems Creek</b>                      | From source to U.S. Highway 23                              | <b>10.2 FW Miles</b> | <b>C;Tr</b> |
| 1                | Ecological/biological Integrity Benthos | Excellent Bioclassification                                 | Aquatic Life         | 2002        |
| <b>6-87-(10)</b> | <b>Reems Creek</b>                      | From U.S. Highway 23 Bridge to French Broad River           | <b>4.5 FW Miles</b>  | <b>C</b>    |
| 1                | Ecological/biological Integrity Benthos | Good-Fair Bioclassification                                 | Aquatic Life         | 2007        |
| 1                | Ecological/biological Integrity FishCom | Good Bioclassification                                      | Aquatic Life         | 2002        |
| <b>6-92-(9)</b>  | <b>Sandymush Creek</b>                  | From Little Sandymush Creek to French Broad River           | <b>10.7 FW Miles</b> | <b>C</b>    |
| 1                | Ecological/biological Integrity Benthos | Good-Fair Bioclassification                                 | Aquatic Life         | 2007        |
| 1                | Ecological/biological Integrity FishCom | Good Bioclassification                                      | Aquatic Life         | 2002        |
| <b>6-92-13</b>   | <b>Turkey Creek</b>                     | From source to Sandymush Creek                              | <b>9.1 FW Miles</b>  | <b>C</b>    |
| 1                | Ecological/biological Integrity FishCom | Good Bioclassification                                      | Aquatic Life         | 2007        |

**French Broad River Basin** **Big Laurel Creek Watershed** **0601010510**

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number                       | AU_Name                                 | AU_Description                      | LengthArea                                       | AU_Units             | Classification    |
|---------------------------------|---|-------------------------------------|--|----------------------|-------------------|
| Category                        | Parameter                               | Reason for Rating                   | Use Category                                     | Collection Year      | 303(d)year        |
| <b>French Broad River Basin</b> |   |                                     | <b>Big Laurel Creek Watershed</b>                |                      | <b>0601010510</b> |
| ⊙ 6-112-26-2                    | <b>Big Creek</b>                        | From source to Shelton Laurel Creek |  | <b>5.4 FW Miles</b>  | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification         | Aquatic Life                                     | 2006                 |                   |
| ⊙ 6-112-26-7-2                  | <b>East Prong Hickory Fork</b>          | From source to Hickory Fork         |  | <b>3.4 FW Miles</b>  | C                 |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification         | Aquatic Life                                     | 2006                 |                   |
| ⊙ 6-112-11                      | <b>Foster Creek</b>                     | From source to Big Laurel Creek     |  | <b>3.9 FW Miles</b>  | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification         | Aquatic Life                                     | 2006                 |                   |
| ⊙ 6-112-8.5                     | <b>Little Creek</b>                     | From source to Big Laurel Creek     |  | <b>3.3 FW Miles</b>  | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Good Bioclassification              | Aquatic Life                                     | 2006                 |                   |
| ⊙ 6-112-28                      | <b>Little Hurricane Creek</b>           | From source to Big Laurel Creek     |  | <b>3.1 FW Miles</b>  | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification         | Aquatic Life                                     | 2006                 |                   |
| ⊙ 6-112-26-13                   | <b>Little Laurel Creek</b>              | From source to Shelton Laurel Creek |  | <b>8.6 FW Miles</b>  | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification         | Aquatic Life                                     | 2006                 |                   |
| ⊙ 6-112-26-1                    | <b>Mill Creek</b>                       | From source to Shelton Laurel Creek |  | <b>4.0 FW Miles</b>  | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification         | Aquatic Life                                     | 2006                 |                   |
| ⊙ 6-112-5                       | <b>Puncheon Fork</b>                    | From source to Big Laurel Creek     |  | <b>5.2 FW Miles</b>  | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification         | Aquatic Life                                     | 2007                 |                   |
| ⊙ 6-112-9                       | <b>Roaring Fork</b>                     | From source to Big Laurel Creek     |  | <b>2.9 FW Miles</b>  | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification         | Aquatic Life                                     | 2006                 |                   |
| ⊙ 6-112-26                      | <b>Shelton Laurel Creek</b>             | From source to Big Laurel Creek     |  | <b>14.8 FW Miles</b> | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification         | Aquatic Life                                     | 2006                 |                   |
| 1                               | Ecological/biological Integrity FishCom | Excellent Bioclassification         | Aquatic Life                                     | 2002                 |                   |
| ⊙ 6-112-21                      | <b>Spillcorn Creek</b>                  | From source to Big Laurel Creek     |  | <b>4.6 FW Miles</b>  | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification         | Aquatic Life                                     | 2006                 |                   |
| ⊙ 6-112-3                       | <b>Wilson Branch</b>                    | From source to Big Laurel Creek     |  | <b>1.6 FW Miles</b>  | C                 |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification         | Aquatic Life                                     | 2006                 |                   |
| <b>French Broad River Basin</b> |   |                                     | <b>Walnut Creek-French Broad River Watershed</b> |                      | <b>0601010511</b> |
| ⊙ 6-112                         | <b>Big Laurel Creek</b>                 | From source to French Broad River   |  | <b>30.8 FW Miles</b> | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification         | Aquatic Life                                     | 2006                 |                   |

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number                       | AU_Name                                 | AU_Description                                   | LengthArea   | AU_Units             | Classification    |
|---------------------------------|---|--|--------------|----------------------|-------------------|
| Category                        | Parameter                               | Reason for Rating                                | Use Category | Collection Year      | 303(d)year        |
| <b>French Broad River Basin</b> |   | <b>Walnut Creek-French Broad River Watershed</b> |              |                      | <b>0601010511</b> |
| ⊙ 6-108                         | <b>Big Pine Creek</b>                   | From source to French Broad River                |              | <b>7.5 FW Miles</b>  | <b>C</b>          |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                      | Aquatic Life | 2008                 |                   |
| 3a                              | Ecological/biological Integrity FishCom | Data Inconclusive                                | Aquatic Life | 2007                 |                   |
| ⊙ 6-110                         | <b>Doe Branch</b>                       | From source to French Broad River                |              | <b>3.2 FW Miles</b>  | <b>C</b>          |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                      | Aquatic Life | 2007                 |                   |
| ⊙ 6-104                         | <b>Little Pine Creek</b>                | From source to French Broad River                |              | <b>5.7 FW Miles</b>  | <b>C</b>          |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                      | Aquatic Life | 2007                 |                   |
| ⊙ 6-106                         | <b>Walnut Creek</b>                     | From source to French Broad River                |              | <b>11.1 FW Miles</b> | <b>C</b>          |
| 1                               | Ecological/biological Integrity Benthos | Good Bioclassification                           | Aquatic Life | 2007                 |                   |
| <b>French Broad River Basin</b> |   | <b>Spring Creek-French Broad River Watershed</b> |              |                      | <b>0601010512</b> |
| ⊙ 6-118-10                      | <b>Friezeland Creek</b>                 | From source to Spring Creek                      |              | <b>4.7 FW Miles</b>  | <b>C;Tr</b>       |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                      | Aquatic Life | 2006                 |                   |
| ⊙ 6-118-19                      | <b>Meadow Fork</b>                      | From source to Spring Creek                      |              | <b>10.4 FW Miles</b> | <b>C;Tr</b>       |
| 1                               | Ecological/biological Integrity FishCom | Good Bioclassification                           | Aquatic Life | 2007                 |                   |
| ⊙ 6-125                         | <b>Shut-in Creek</b>                    | From source to French Broad River                |              | <b>3.7 FW Miles</b>  | <b>C;Tr</b>       |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                      | Aquatic Life | 2007                 |                   |
| ⊙ 6-118-(1)                     | <b>Spring Creek</b>                     | From source to Reservoir Branch                  |              | <b>20.3 FW Miles</b> | <b>C;Tr</b>       |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                      | Aquatic Life | 2006                 |                   |
| ⊙ 6-118-(27)                    | <b>Spring Creek</b>                     | From Reservoir Branch to French Broad River      |              | <b>1.7 FW Miles</b>  | <b>C</b>          |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                      | Aquatic Life | 2002                 |                   |

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number                       | AU_Name  | AU_Description   | LengthArea   | AU_Units             | Classification |
|---------------------------------|--|--|--------------|----------------------|----------------|
| Category                        | Parameter  | Reason for Rating  | Use Category | Collection Year      | 303(d)year     |
| <b>French Broad River Basin</b> |  | <b>Headwaters Pigeon River Watershed</b>                                   |              | <b>0601010601</b>    |                |
| <b>French Broad River Basin</b> |  | <b>Pigeon River Subbasin</b>   |              | <b>06010106</b>      |                |
| <b>French Broad River Basin</b> |  | <b>Headwaters Pigeon River Watershed</b>                                   |              | <b>0601010601</b>    |                |
| 5-3-9                           | <b>Crawford Creek</b>                                      | From source to East Fork Pigeon River                                      |              | <b>4.1 FW Miles</b>  | WS-III;Tr      |
| 1                               | <b>Ecological/biological Integrity Benthos</b>             | Not Impaired Bioclassification   | Aquatic Life | 2008                 |                |
| 5-3-(6.5)                       | <b>East Fork Pigeon River</b>                              | From a point 0.5 miles upstream of Bee Branch to Pigeon River              |              | <b>13.0 FW Miles</b> | WS-III;Tr      |
| 1                               | <b>Ecological/biological Integrity Benthos</b>             | Excellent Bioclassification  | Aquatic Life | 2006                 |                |
| 5-(6.5)                         | <b>PIGEON RIVER</b>  | From Garden Creek to Canton Water Intake                                   |              | <b>0.8 FW Miles</b>  | WS-III;Tr,CA   |
| 1                               | <b>Fecal Coliform (recreation)</b>                         | No Criteria Exceeded   | Recreation   | 2008                 |                |
| 3a                              | <b>High Water Temperature</b>                              | Potential Standards Violation  | Aquatic Life | 2008                 |                |
| 1                               | <b>Water Quality Standards Aquatic Life</b>                | No Criteria Exceeded   | Aquatic Life | 2008                 |                |
| 1                               | <b>Water Quality Standards Water Supply</b>                | No Criteria Exceeded   | Water Supply | 2008                 |                |
| 5-(7)a                          | <b>PIGEON RIVER (Waterville Lake below elevation 2258)</b> | From Canton Water Supply Intake to 0.15 miles downstream of W. Park St.    |              | <b>0.5 FW Miles</b>  | C              |
| 1                               | <b>Ecological/biological Integrity Benthos</b>             | Good Bioclassification   | Aquatic Life | 2006                 |                |
| 5-(7)b                          | <b>PIGEON RIVER (Waterville Lake below elevation 2258)</b> | From 0.15 miles downstream of W. Park St to State Route 1642 (Main Street) |              | <b>6.4 FW Miles</b>  | C              |
| 5                               | <b>Ecological/biological Integrity Benthos</b>             | Fair Bioclassification   | Aquatic Life | 2006                 | 1998           |
| 5-2a                            | <b>West Fork Pigeon River (Lake Logan)</b>                 | From source to backwaters of Lake Logan                                    |              | <b>7.8 FW Miles</b>  | WS-III;Tr      |
| 1                               | <b>Ecological/biological Integrity Benthos</b>             | Excellent Bioclassification  | Aquatic Life | 2008                 |                |
| <b>French Broad River Basin</b> |  | <b>Richland Creek-Pigeon River Watershed</b>                               |              | <b>0601010602</b>    |                |
| 5-22                            | <b>Crabtree Creek</b>                                      | From source to Pigeon River  |              | <b>3.3 FW Miles</b>  | C              |
| 1                               | <b>Ecological/biological Integrity FishCom</b>             | Good-Fair Bioclassification  | Aquatic Life | 2007                 |                |
| 5-16-6a                         | <b>Hyatt Creek</b>   | From source to State Route 1159  |              | <b>0.9 FW Miles</b>  | C              |
| 3a                              | <b>Ecological/biological Integrity Benthos</b>             | Data Inconclusive  | Aquatic Life | 1984                 | 1998           |
| 5-16-6aut1                      | <b>Hyatt Creek</b>   | From source to Hyatt Creek   |              | <b>0.6 FW Miles</b>  |                |
| 3a                              | <b>Ecological/biological Integrity Benthos</b>             | Not Rated Bioclassification  | Aquatic Life | 2002                 |                |
| 5-16-6b                         | <b>Hyatt Creek</b>   | From State Route 1159 to Richland Creek                                    |              | <b>2.6 FW Miles</b>  | C              |
| 3a                              | <b>Ecological/biological Integrity Benthos</b>             | Not Rated Bioclassification  | Aquatic Life | 2002                 |                |

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number                       | AU_Name   | AU_Description    | LengthArea                                   | AU_Units        | Classification    |
|---------------------------------|-----------|-------------------|--|-----------------|-------------------|
| Category                        | Parameter | Reason for Rating | Use Category                                 | Collection Year | 303(d)year        |
| <b>French Broad River Basin</b> |           |                   | <b>Richland Creek-Pigeon River Watershed</b> |                 | <b>0601010602</b> |

|                   |  |   |                      |             |
|-------------------|--|---|----------------------|-------------|
| <b>5-26-(7)</b>   | <b>Jonathans Creek</b>   | From a point 0.4 mile downstream of Fie Creek to Pigeon River | <b>14.6 FW Miles</b> | <b>C;Tr</b> |
| 1                 | <b>Ecological/biological Integrity Benthos</b>                     | Good Bioclassification Aquatic Life                           | 2007                 |             |
| 3a                | <b>Fecal Coliform (recreation)</b>                                 | Potential Standards Violation Recreation                      | 2008                 |             |
| 1                 | <b>Water Quality Standards Aquatic Life</b>                        | No Criteria Exceeded Aquatic Life                             | 2008                 |             |
| <b>5-16-4</b>     | <b>Nolen Creek</b>   | From source to Richland Creek                                 | <b>1.8 FW Miles</b>  | <b>C;Tr</b> |
| 1                 | <b>Ecological/biological Integrity Benthos</b>                     | Not Impaired Bioclassification Aquatic Life                   | 2002                 |             |
| <b>5-(7)c</b>     | <b>PIGEON RIVER<br/>(Waterville Lake<br/>below elevation 2258)</b> | From State Route 1642 (Main Street) to Crabtree Creek         | <b>7.8 FW Miles</b>  | <b>C</b>    |
| 5                 | <b>Ecological/biological Integrity Benthos</b>                     | Fair Bioclassification Aquatic Life                           | 2006                 | 2008        |
| 1                 | <b>Fecal Coliform (recreation)</b>                                 | No Criteria Exceeded Recreation                               | 2008                 |             |
| 1                 | <b>Water Quality Standards Aquatic Life</b>                        | No Criteria Exceeded Aquatic Life                             | 2008                 |             |
| <b>5-(7)d</b>     | <b>PIGEON RIVER<br/>(Waterville Lake<br/>below elevation 2258)</b> | From Crabtree Creek to White Oak Road                         | <b>7.2 FW Miles</b>  | <b>C</b>    |
| 1                 | <b>Ecological/biological Integrity Benthos</b>                     | Good-Fair Bioclassification Aquatic Life                      | 2006                 |             |
| 1                 | <b>Fecal Coliform (recreation)</b>                                 | No Criteria Exceeded Recreation                               | 2008                 |             |
| 1                 | <b>Water Quality Standards Aquatic Life</b>                        | No Criteria Exceeded Aquatic Life                             | 2008                 |             |
| <b>5-16-14</b>    | <b>Raccoon Creek</b>   | From source to Richland Creek                                 | <b>4.7 FW Miles</b>  | <b>B</b>    |
| 4c                | <b>Ecological/biological Integrity FishCom</b>                     | Poor Bioclassification Aquatic Life                           | 2003                 | 2006        |
| <b>5-16-(16)a</b> | <b>Richland Creek</b>  | From Lake Junaluska Dam to Jones Cove Branch                  | <b>1.6 FW Miles</b>  | <b>C</b>    |
| 1                 | <b>Ecological/biological Integrity FishCom</b>                     | Good-Fair Bioclassification Aquatic Life                      | 2007                 | 1998        |
| <b>5-16-(16)b</b> | <b>Richland Creek</b>  | From Jones Cove Branch to Pigeon River                        | <b>0.7 FW Miles</b>  | <b>C</b>    |
| 5                 | <b>Ecological/biological Integrity Benthos</b>                     | Fair Bioclassification Aquatic Life                           | 2007                 | 2010        |
| <b>5-16-(1)a</b>  | <b>Richland Creek (Lake Junaluska)</b>                             | From source to US Route 23                                    | <b>8.0 FW Miles</b>  | <b>B;Tr</b> |
| 5r                | <b>Fecal Coliform (recreation)</b>                                 | Standard Violation Recreation                                 | 2008                 | 2006        |
| 1                 | <b>Water Quality Standards Aquatic Life</b>                        | No Criteria Exceeded Aquatic Life                             | 2008                 |             |

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number                       | AU_Name   | AU_Description                               | LengthArea   | AU_Units          | Classification |
|---------------------------------|-----------|--|--------------|-------------------|----------------|
| Category                        | Parameter | Reason for Rating                            | Use Category | Collection Year   | 303(d)year     |
| <b>French Broad River Basin</b> |           | <b>Richland Creek-Pigeon River Watershed</b> |              | <b>0601010602</b> |                |

⊙ **5-16-(1)b**      **Richland Creek (Lake Junaluska)**      From US Route 23 to Boyd Ave      **2.3 FW Miles**      B;Tr

|           |   |                        |              |      |      |
|-----------|---|------------------------|--------------|------|------|
| <b>4c</b> | Ecological/biological Integrity FishCom | Poor Bioclassification | Aquatic Life | 2001 | 2006 |
| <b>5r</b> | Fecal Coliform (recreation)             | Standard Violation     | Recreation   | 2008 | 2006 |
| <b>1</b>  | Water Quality Standards Aquatic Life    | No Criteria Exceeded   | Aquatic Life | 2008 |      |

⊙ **5-16-(11.5)a**      **Richland Creek (Lake Junaluska)**      From Boyd Ave to Depot Street      **0.7 FW Miles**      B

|           |   |                        |              |      |      |
|-----------|---|------------------------|--------------|------|------|
| <b>4c</b> | Ecological/biological Integrity FishCom | Poor Bioclassification | Aquatic Life | 2001 | 2006 |
| <b>5r</b> | Fecal Coliform (recreation)             | Standard Violation     | Recreation   | 2008 | 2006 |
| <b>1</b>  | Water Quality Standards Aquatic Life    | No Criteria Exceeded   | Aquatic Life | 2008 |      |

⊙ **5-16-(11.5)b**      **Richland Creek (Lake Junaluska)**      From Depot Street to Shelton Branch      **0.9 FW Miles**      B

|           |   |                             |              |      |      |
|-----------|---|-----------------------------|--------------|------|------|
| <b>1</b>  | Ecological/biological Integrity Benthos | Good-Fair Bioclassification | Aquatic Life | 2007 |      |
| <b>5r</b> | Fecal Coliform (recreation)             | Standard Violation          | Recreation   | 2008 | 2006 |
| <b>1</b>  | Water Quality Standards Aquatic Life    | No Criteria Exceeded        | Aquatic Life | 2008 |      |

⊙ **5-16-(11.5)c**      **Richland Creek (Lake Junaluska)**      From Shelton Branch to backwater of Lake Junaluska      **2.0 FW Miles**      B

|           |   |                        |              |      |      |
|-----------|---|------------------------|--------------|------|------|
| <b>1</b>  | Ecological/biological Integrity Benthos | Good Bioclassification | Aquatic Life | 2007 |      |
| <b>4c</b> | Ecological/biological Integrity FishCom | Fair Bioclassification | Aquatic Life | 2007 | 2006 |
| <b>5r</b> | Fecal Coliform (recreation)             | Standard Violation     | Recreation   | 2008 | 2006 |
| <b>1</b>  | Water Quality Standards Aquatic Life    | No Criteria Exceeded   | Aquatic Life | 2008 |      |

⊙ **5-16-(11.5)d**      **Richland Creek (Lake Junaluska)**      Lake Junaluska      **200.0 FW Acres**      B

|           |               |                               |              |      |      |
|-----------|---------------|-------------------------------|--------------|------|------|
| <b>3n</b> | Chlorophyll a | Potential Standards Violation | Aquatic Life | 2008 |      |
| <b>5</b>  | High pH       | Standard Violation            | Aquatic Life | 2008 | 2006 |

⊙ **5-16-3**      **Winchester Creek**      From source to Richland Creek      **2.5 FW Miles**      C;Tr

|          |   |                                |              |      |  |
|----------|---|--------------------------------|--------------|------|--|
| <b>1</b> | Ecological/biological Integrity Benthos | Not Impaired Bioclassification | Aquatic Life | 2008 |  |
|----------|---|--------------------------------|--------------|------|--|

**French Broad River Basin**      **Cataloochee Creek-Pigeon River Watershed**      **0601010603**

⊙ **5-59**      **Big Creek**      From source to Pigeon River      **13.8 FW Miles**      C;Tr,HQW

|          |   |                             |              |      |  |
|----------|---|-----------------------------|--------------|------|--|
| <b>1</b> | Ecological/biological Integrity Benthos | Excellent Bioclassification | Aquatic Life | 2002 |  |
|----------|---|-----------------------------|--------------|------|--|

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number | AU_Name   | AU_Description    | LengthArea   | AU_Units        | Classification |
|-----------|-----------|-------------------|--------------|-----------------|----------------|
| Category  | Parameter | Reason for Rating | Use Category | Collection Year | 303(d)year     |

|                                 |   |                   |
|---------------------------------|---|-------------------|
| <b>French Broad River Basin</b> | <b>Cataloochee Creek-Pigeon River Watershed</b> | <b>0601010603</b> |
|---------------------------------|---|-------------------|

|               |  |  |                      |                 |
|---------------|--|--|----------------------|-----------------|
| <b>5-41</b>   | <b>Cataloochee Creek</b>   | From source to Walters Lake, Pigeon River                            | <b>8.1 FW Miles</b>  | <b>C;Tr,ORW</b> |
| 1             | <b>Ecological/biological Integrity Benthos</b>                     | Excellent Bioclassification  | Aquatic Life         | 2007            |
| 1             | <b>Fecal Coliform (recreation)</b>                                 | No Criteria Exceeded   | Recreation           | 2008            |
| 1             | <b>Water Quality Standards Aquatic Life</b>                        | No Criteria Exceeded   | Aquatic Life         | 2008            |
| <b>5-32</b>   | <b>Fines Creek</b>   | From source to Pigeon River  | <b>9.7 FW Miles</b>  | <b>C</b>        |
| 1             | <b>Ecological/biological Integrity Benthos</b>                     | Good Bioclassification   | Aquatic Life         | 2007            |
| 1             | <b>Ecological/biological Integrity FishCom</b>                     | Good-Fair Bioclassification  | Aquatic Life         | 2007            |
| <b>5-44</b>   | <b>Hurricane Creek</b>   | From source to Pigeon River  | <b>5.4 FW Miles</b>  | <b>C;Tr</b>     |
| 1             | <b>Ecological/biological Integrity Benthos</b>                     | Good Bioclassification   | Aquatic Life         | 2002            |
| <b>5-(7)f</b> | <b>PIGEON RIVER<br/>(Waterville Lake<br/>below elevation 2258)</b> | From Waterville Reservoir Dam to North Carolina/Tennessee State line | <b>12.0 FW Miles</b> | <b>C</b>        |
| 1             | <b>Ecological/biological Integrity Benthos</b>                     | Good Bioclassification   | Aquatic Life         | 2007            |
| 1             | <b>Fecal Coliform (recreation)</b>                                 | No Criteria Exceeded   | Recreation           | 2008            |
| 1             | <b>Water Quality Standards Aquatic Life</b>                        | No Criteria Exceeded   | Aquatic Life         | 2008            |

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number                       | AU_Name  | AU_Description  | LengthArea           | AU_Units          | Classification |
|---------------------------------|--|---|----------------------|-------------------|----------------|
| Category                        | Parameter                                      | Reason for Rating   | Use Category         | Collection Year   | 303(d)year     |
| <b>French Broad River Basin</b> |  | <b>Headwaters North Toe River Watershed</b>   |                      | <b>0601010801</b> |                |
| <b>French Broad River Basin</b> |  | <b>Nolichucky River Subbasin</b>  |                      | <b>06010108</b>   |                |
| <b>French Broad River Basin</b> |  | <b>Headwaters North Toe River Watershed</b>   |                      | <b>0601010801</b> |                |
| ⊙ 7-2-48                        | <b>Big Crabtree Creek<br/>(Crabtree Creek)</b> | From source to North Toe River  | <b>14.6 FW Miles</b> | C;Tr              |                |
| 1                               | Ecological/biological Integrity Benthos        | Excellent Bioclassification   | Aquatic Life         | 2007              |                |
| 1                               | Ecological/biological Integrity FishCom        | Excellent Bioclassification   | Aquatic Life         | 2007              |                |
| ⊙ 7-2-(0.5)                     | <b>North Toe River</b>                         | From source to a point 0.2 mile upstream of Pyatt Creek                                     | <b>22.0 FW Miles</b> | WS-V;Tr           |                |
| 1                               | Ecological/biological Integrity FishCom        | Good-Fair Bioclassification   | Aquatic Life         | 2007              |                |
| ⊙ 7-2-(21.5)                    | <b>North Toe River</b>                         | From a point 0.2 mile upstream of Pyatt Creek to a point 0.5 mile upstream of U.S. Hwy. 19E | <b>9.4 FW Miles</b>  | WS-IV;Tr          |                |
| 5                               | Copper   | Standard Violation  | Aquatic Life         | 2008              | 2008           |
| 1                               | Ecological/biological Integrity Benthos        | Good Bioclassification  | Aquatic Life         | 2007              |                |
| 1                               | Fecal Coliform (recreation)                    | No Criteria Exceeded  | Recreation           | 2008              |                |
| 3a                              | High Water Temperature                         | Potential Standards Violation   | Aquatic Life         | 2008              |                |
| 5                               | Turbidity                                      | Standard Violation  | Aquatic Life         | 2008              | 2008           |
| 1                               | Water Quality Standards Water Supply           | No Criteria Exceeded  | Water Supply         | 2008              |                |
| ⊙ 7-2-(27.7)b                   | <b>North Toe River</b>                         | From Grassy Creek to South Toe River  | <b>11.3 FW Miles</b> | C;Tr              |                |
| 4s                              | Ecological/biological Integrity Benthos        | Fair Bioclassification  | Aquatic Life         | 2002              |                |
| 3a                              | Fecal Coliform (recreation)                    | Potential Standards Violation   | Recreation           | 2008              |                |
| 3a                              | High Water Temperature                         | Potential Standards Violation   | Aquatic Life         | 2008              |                |
| 5                               | Turbidity                                      | Standard Violation  | Aquatic Life         | 2008              | 2006           |
| ⊙ 7-2-15                        | <b>Roaring Creek</b>                           | From source to North Toe River  | <b>4.9 FW Miles</b>  | WS-V;Tr           |                |
| 1                               | Ecological/biological Integrity Benthos        | Excellent Bioclassification   | Aquatic Life         | 2002              |                |
| <b>French Broad River Basin</b> |  | <b>South Toe River-North Toe River Watershed</b>  |                      | <b>0601010802</b> |                |
| ⊙ 7-2-59                        | <b>Cane Creek</b>                              | From source to North Toe River  | <b>7.8 FW Miles</b>  | C;Tr              |                |
| 5                               | Ecological/biological Integrity FishCom        | Fair Bioclassification  | Aquatic Life         | 2007              | 2010           |
| ⊙ 7-2-52-33                     | <b>Little Crabtree Creek</b>                   | From source to South Toe River  | <b>6.3 FW Miles</b>  | C;Tr              |                |
| 1                               | Ecological/biological Integrity Benthos        | Good-Fair Bioclassification   | Aquatic Life         | 2002              |                |
| ⊙ 7-2-(58.5)                    | <b>North Toe River</b>                         | From Mitchell County SR 1187 to Nolichucky River  | <b>14.7 FW Miles</b> | B;Tr              |                |
| 1                               | Ecological/biological Integrity Benthos        | Good Bioclassification  | Aquatic Life         | 2007              |                |

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number                       | AU_Name                                 | AU_Description  | LengthArea                                       | AU_Units             | Classification    |
|---------------------------------|---|---|--|----------------------|-------------------|
| Category                        | Parameter                               | Reason for Rating   | Use Category                                     | Collection Year      | 303(d)year        |
| <b>French Broad River Basin</b> |   |   | <b>South Toe River-North Toe River Watershed</b> |                      | <b>0601010802</b> |
| ⊙ 7-2-59-1                      | <b>Right Fork Cane Creek</b>            | From source to Cane Creek                                     |  | <b>1.2 FW Miles</b>  | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                                   | Aquatic Life                                     | 2002                 |                   |
| ⊙ 7-2-52-(1)                    | <b>South Toe River</b>                  | From source to U.S. Hwy. 19E                                  |  | <b>25.9 FW Miles</b> | B;Tr,ORW          |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                                   | Aquatic Life                                     | 2007                 |                   |
| 1                               | Fecal Coliform (recreation)             | No Criteria Exceeded  | Recreation                                       | 2008                 |                   |
| 5                               | Low pH                                  | Standard Violation  | Aquatic Life                                     | 2008                 | 2010              |
| <b>French Broad River Basin</b> |   |   | <b>Cane River Watershed</b>                      |                      | <b>0601010803</b> |
| ⊙ 7-3-22                        | <b>Bald Creek</b>                       | From source to Cane River                                     |  | <b>6.5 FW Miles</b>  | C                 |
| 1                               | Ecological/biological Integrity Benthos | Good Bioclassification  | Aquatic Life                                     | 2004                 |                   |
| 1                               | Ecological/biological Integrity FishCom | Good Bioclassification  | Aquatic Life                                     | 2003                 |                   |
| 5                               | Fecal Coliform (recreation)             | Standard Violation  | Recreation                                       | 2004                 | 2010              |
| ⊙ 7-3-32                        | <b>Bald Mountain Creek</b>              | From source to Cane River                                     |  | <b>8.0 FW Miles</b>  | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                                   | Aquatic Life                                     | 2007                 |                   |
| ⊙ 7-3-21-4                      | <b>Banks Creek</b>                      | From source to Price Creek                                    |  | <b>4.2 FW Miles</b>  | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Not Impaired Bioclassification                                | Aquatic Life                                     | 2002                 |                   |
| ⊙ 7-3-40-(2.5)                  | <b>Big Creek</b>                        | From a point 0.5 miles downstream of Pit Branch to Cane River |  | <b>2.0 FW Miles</b>  | C;Tr              |
| 1                               | Ecological/biological Integrity FishCom | Good Bioclassification  | Aquatic Life                                     | 2007                 |                   |
| ⊙ 7-3-14-(4)                    | <b>Bowlens Creek</b>                    | From UT Bowlens Creek (Willie Shanty Creek) to Cane River     |  | <b>3.5 FW Miles</b>  | C                 |
| 1                               | Ecological/biological Integrity Benthos | Excellent Bioclassification                                   | Aquatic Life                                     | 2004                 |                   |
| ⊙ 7-3-(13.7)b                   | <b>Cane River</b>                       | From Big Creek to North Toe River                             |  | <b>3.5 FW Miles</b>  | C;Tr              |
| 1                               | Fecal Coliform (recreation)             | No Criteria Exceeded  | Recreation                                       | 2008                 |                   |
| 3a                              | High Water Temperature                  | Potential Standards Violation                                 | Aquatic Life                                     | 2008                 |                   |
| 5                               | Turbidity                               | Standard Violation  | Aquatic Life                                     | 2008                 | 2006              |
| ⊙ 7-3-22-4                      | <b>Elk Wallow Creek</b>                 | From source to Bald Creek                                     |  | <b>3.1 FW Miles</b>  | C;Tr              |
| 1                               | Ecological/biological Integrity Benthos | Good Bioclassification  | Aquatic Life                                     | 2004                 |                   |
| 5                               | Fecal Coliform (recreation)             | Standard Violation  | Recreation                                       | 2004                 | 2010              |
| ⊙ 7-3-22-1                      | <b>Fox Creek</b>                        | From source to Bald Creek                                     |  | <b>2.2 FW Miles</b>  | C                 |
| 5                               | Fecal Coliform (recreation)             | Standard Violation  | Recreation                                       | 2004                 | 2010              |

# NC 2010 Integrated Report

All 13,123 Waters in NC are in Category 5-303(d) List for Mercury due to statewide fish consumption advice for several fish species

| AU_Number | AU_Name   | AU_Description    | LengthArea   | AU_Units        | Classification |
|-----------|-----------|-------------------|--------------|-----------------|----------------|
| Category  | Parameter | Reason for Rating | Use Category | Collection Year | 303(d)year     |

**French Broad River Basin** **Cane River Watershed 0601010803**

|  |   |  |              |                      |                 |
|--|---|--|--------------|----------------------|-----------------|
| <b>7-3-22-5</b>  | <b>Lickskillet Branch</b>               | From source to Bald Creek                          |              | <b>3.4 FW Miles</b>  | C;Tr            |
| 1  | Ecological/biological Integrity Benthos | Good-Fair Bioclassification                        | Aquatic Life | 2004                 |                 |
| 5  | Fecal Coliform (recreation)             | Standard Violation                                 | Recreation   | 2004                 | 2010            |
| <b>7</b>   | <b>NOLICHUCKY RIVER</b>                 | From source to North Carolina-Tennessee State Line |              | <b>10.0 FW Miles</b> | <b>B</b>        |
| 5  | Copper                                  | Standard Violation                                 | Aquatic Life | 2008                 | 2008            |
| 1  | Ecological/biological Integrity Benthos | Good Bioclassification                             | Aquatic Life | 2007                 |                 |
| 3a   | Fecal Coliform (recreation)             | Potential Standards Violation                      | Recreation   | 2008                 |                 |
| 5  | Turbidity                               | Standard Violation                                 | Aquatic Life | 2008                 | 2008            |
| <b>7-3-22-7</b>  | <b>Possumtrot Creek</b>                 | From source to Bald Creek                          |              | <b>3.4 FW Miles</b>  | <b>C;Tr</b>     |
| 1  | Ecological/biological Integrity Benthos | Not Impaired Bioclassification                     | Aquatic Life | 2004                 |                 |
| 3a   | Ecological/biological Integrity FishCom | Not Rated Bioclassification                        | Aquatic Life | 2003                 |                 |
| 5  | Fecal Coliform (recreation)             | Standard Violation                                 | Recreation   | 2004                 | 2010            |
| <b>7-3-21</b>  | <b>Price Creek</b>                      | From source to Cane River                          |              | <b>8.0 FW Miles</b>  | <b>C;Tr</b>     |
| 1  | Ecological/biological Integrity FishCom | Good Bioclassification                             | Aquatic Life | 2002                 |                 |
| <b>French Broad River Basin</b> <span style="float: right;"><b>North Indian Creek-Nolichucky River Watershed 0601010806</b></span> |   |  |              |                      |                 |
| <b>7-2-64</b>  | <b>Big Rock Creek</b>                   | From source to North Toe River                     |              | <b>13.9 FW Miles</b> | <b>C;Tr</b>     |
| 1  | Ecological/biological Integrity Benthos | Excellent Bioclassification                        | Aquatic Life | 2007                 |                 |
| 1  | Ecological/biological Integrity FishCom | Good Bioclassification                             | Aquatic Life | 2007                 |                 |
| <b>7-2-64-13-4</b>   | <b>Greene Creek</b>                     | From source to Little Rock Creek                   |              | <b>3.0 FW Miles</b>  | <b>C;Tr,HQW</b> |
| 1  | Ecological/biological Integrity Benthos | Not Impaired Bioclassification                     | Aquatic Life | 2007                 |                 |
| <b>7-10</b>  | <b>Hollow Poplar Creek</b>              | From source to Nolichucky River                    |              | <b>5.6 FW Miles</b>  | <b>C;Tr</b>     |
| 1  | Ecological/biological Integrity Benthos | Not Impaired Bioclassification                     | Aquatic Life | 2007                 |                 |
| 3a   | Ecological/biological Integrity FishCom | Data Inconclusive                                  | Aquatic Life | 2007                 |                 |
| 5  | Low pH                                  | Standard Violation                                 | Aquatic Life | 2008                 | 2010            |
| <b>7-2-63</b>  | <b>Jacks Creek</b>                      | From source to North Toe River                     |              | <b>8.5 FW Miles</b>  | <b>C</b>        |
| 5  | Ecological/biological Integrity FishCom | Fair Bioclassification                             | Aquatic Life | 2002                 | 2006            |
| <b>7-2-69</b>  | <b>Pigeonroost Creek</b>                | From source to North Toe River                     |              | <b>7.1 FW Miles</b>  | <b>C;Tr</b>     |
| 1  | Ecological/biological Integrity Benthos | Excellent Bioclassification                        | Aquatic Life | 2007                 |                 |
| 1  | Ecological/biological Integrity FishCom | Good Bioclassification                             | Aquatic Life | 2007                 |                 |