

## List of the Freshwater Fish species of North Carolina - printed 2022-05-23

There are 235 native plus 22 non-native taxa on this list that have been documented to occur in the freshwater systems of the state, based on Tracy et al. (2020). There are 34 taxa on both freshwater and marine lists (marked with an \*). Therefore, there are 257 Fresh + 749 Marine - 34 = 972 fish taxa in NC waters. The scientific and common names used in this list follow those in that reference. The list also includes the State Rank, Global Rank, State Status, and U.S. Status (if it has such statuses) for each species. The ranks are those of the Biotics database of the North Carolina Natural Heritage Program (NC NHP) and NatureServe, October 2018. State Status of Endangered, Threatened, or Special Concern is assigned by the N.C. Wildlife Resources Commission, whereas the NC NHP provides the Significantly Rare and Watch List status categories. The U.S. Fish and Wildlife Service assigns the U.S. Status categories. Statuses with legal standing are in caps in the Comments.

### Petromyzontidae: Northern Lampreys [5]

[State Rank Global Rank] Comments

- |   |                                    |                              |                |                      |
|---|------------------------------------|------------------------------|----------------|----------------------|
| 1 | <i>Ichthyomyzon bdellium</i> ..... | Ohio Lamprey .....           | [S1 (S2) G3G4] | N.C. SPECIAL CONCERN |
| 2 | <i>Ichthyomyzon greeleyi</i> ..... | Mountain Brook Lamprey ..... | [S3 G4]        |                      |
| 3 | <i>Lampetra aepyptera</i> .....    | Least Brook Lamprey .....    | [S2 G5]        | N.C. THREATENED      |
| 4 | <i>Lethenteron appendix</i> .....  | American Brook Lamprey ..... | [S1 G4]        | N.C. SPECIAL CONCERN |
| 5 | * <i>Petromyzon marinus</i> .....  | Sea Lamprey .....            | [S3 G5]        |                      |

### Acipenseridae: Sturgeons [3]

- |   |                                       |                          |             |   |
|---|---------------------------------------|--------------------------|-------------|---|
| 6 | * <i>Acipenser brevirostrum</i> ..... | Shortnose Sturgeon ..... | [S1 G3]     | U.S. ENDANGERED, N.C. ENDANGERED  |
| 7 | <i>Acipenser fulvescens</i> .....     | Lake Sturgeon .....      | [SXS1 G3G4] | N.C. SPECIAL CONCERN; extirpated, but re-introduced to the French Broad basin |
| 8 | * <i>Acipenser oxyrinchus</i> .....   | Atlantic Sturgeon .....  | [S2 G3]     | U.S. ENDANGERED, N.C. ENDANGERED  |

### Polyodontidae: Paddlefishes [1]

- |   |                                |                  |         |   |
|---|--------------------------------|------------------|---------|---|
| 9 | <i>Polyodon spathula</i> ..... | Paddlefish ..... | [SX G4] | N.C. ENDANGERED; considered extirpated in NC by Tracy et al. (2020) |
|---|--------------------------------|------------------|---------|---|

### Lepisosteidae: Gars [1]

- |    |                                   |                    |         |  |
|----|-----------------------------------|--------------------|---------|--|
| 10 | * <i>Lepisosteus osseus</i> ..... | Longnose Gar ..... | [S5 G5] |  |
|----|-----------------------------------|--------------------|---------|--|

### Amiidae: Bowfins [1]

- |    |                         |              |         |  |
|----|-------------------------|--------------|---------|--|
| 11 | <i>Amia calva</i> ..... | Bowfin ..... | [S5 G5] |  |
|----|-------------------------|--------------|---------|--|

### Hiodontidae: Mooneyes [1]

- |    |                              |               |         |                      |
|----|------------------------------|---------------|---------|----------------------|
| 12 | <i>Hiodon tergisus</i> ..... | Mooneye ..... | [S1 G5] | N.C. SPECIAL CONCERN |
|----|------------------------------|---------------|---------|----------------------|

### Anguillidae: Freshwater Eels [1]

- |    |                                  |                    |              |  |
|----|----------------------------------|--------------------|--------------|--|
| 13 | * <i>Anguilla rostrata</i> ..... | American Eel ..... | [S4 (S5) G4] |  |
|----|----------------------------------|--------------------|--------------|--|

### Engraulidae: Anchovies [1]

- |    |                                 |                   |         |  |
|----|---------------------------------|-------------------|---------|--|
| 14 | * <i>Anchoa mitchilli</i> ..... | Bay Anchovy ..... | [S5 G5] |  |
|----|---------------------------------|-------------------|---------|--|

### Clupeidae: Herrings and Shads [7]

- |    |                                     |                         |           |            |
|----|-------------------------------------|-------------------------|-----------|------------|
| 15 | * <i>Alosa aestivalis</i> .....     | Blueback Herring .....  | [S5 G3G4] |            |
| 16 | * <i>Alosa mediocris</i> .....      | Hickory Shad .....      | [S3 G4]   |            |
| 17 | * <i>Alosa pseudoharengus</i> ..... | Alewife .....           | [S5 G5]   |            |
| 18 | * <i>Alosa sapidissima</i> .....    | American Shad .....     | [S5 G5]   |            |
| 19 | * <i>Brevoortia tyrannus</i> .....  | Atlantic Menhaden ..... | [S5 G5]   |            |
| 20 | * <i>Dorosoma cepedianum</i> .....  | Gizzard Shad .....      | [S5 G5]   |            |
| 21 | * <i>Dorosoma petenense</i> .....   | Threadfin Shad .....    | [SE G5]   | Not native |

### Cyprinidae: Minnows and Carps [2]

- |    |                                |                   |         |            |
|----|--------------------------------|-------------------|---------|------------|
| 22 | <i>Carassius auratus</i> ..... | Goldfish .....    | [SE G5] | Not native |
| 23 | <i>Cyprinus carpio</i> .....   | Common Carp ..... | [SE G5] | Not native |

### Xenocyprididae: [1]

- |    |                                      |                  |         |            |
|----|--------------------------------------|------------------|---------|------------|
| 24 | <i>Ctenopharyngodon idella</i> ..... | Grass Carp ..... | [SE G5] | Not native |
|----|--------------------------------------|------------------|---------|------------|

### Leuciscidae: [68]

- |    |                                      |                              |                |  |
|----|--------------------------------------|------------------------------|----------------|--|
| 25 | <i>Campostoma anomalum</i> .....     | Central Stoneroller .....    | [S5 G5]        |  |
| 26 | <i>Chrosomus oreas</i> .....         | Mountain Redbelly Dace ..... | [S4 G5]        |  |
| 27 | <i>Clinostomus funduloides</i> ..... | Rosyside Dace .....          | [S5 G5]        |  |
| 28 | <i>Clinostomus sp. 1</i> .....       | 'Smoky' Dace .....           | [S2 G5T3]      | Undescribed species/taxon; N.C. SPECIAL CONCERN  |
| 29 | <i>Clinostomus sp. 2</i> .....       | 'Hiwassee' Dace .....        | [(S1S2) GNR]   | This taxon and 'Smoky' Dace are treated by the NCNHP as the Smoky Dace, an undescribed species |
| 30 | <i>Cyprinella analostana</i> .....   | Satinfin Shiner .....        | [S5 G5]        |  |
| 31 | <i>Cyprinella chloristia</i> .....   | Greenfin Shiner .....        | [S4 G4]        |  |
| 32 | <i>Cyprinella galactura</i> .....    | Whitetail Shiner .....       | [S4 G5]        |  |
| 33 | <i>Cyprinella labrosa</i> .....      | Thicklip Chub .....          | [S3 G4]        | N.C. Watch List  |
| 34 | <i>Cyprinella lutrensis</i> .....    | Red Shiner .....             | [SE G5]        | Not native   |
| 35 | <i>Cyprinella monacha</i> .....      | Spotfin Chub .....           | [S1 G2]        | U.S. THREATENED, N.C. THREATENED   |
| 36 | <i>Cyprinella nivea</i> .....        | Whitefin Shiner .....        | [S4 G4]        |  |
| 37 | <i>Cyprinella pyrrhomelas</i> .....  | Fieryblack Shiner .....      | [S4 G4]        |  |
| 38 | <i>Cyprinella spiloptera</i> .....   | Spotfin Shiner .....         | [S2 (S2S3) G5] | N.C. Watch List  |

**Leuciscidae: [cont.]**

39	<i>Cyprinella zanema</i>	Santee Chub	[S3 G4]	N.C. Watch List
40	<i>Cyprinella sp. cf. zanema</i>	'Thinlip' Chub	[S2 G2Q]	Undescribed species/taxon; N.C. SPECIAL CONCERN
41	<i>Erimystax insignis</i>	Blotched Chub	[S2 G4]	N.C. Significantly Rare
42	<i>Exoglossum laurae</i>	Tonguetied Minnow	[S2 G4]	N.C. Significantly Rare
43	<i>Exoglossum maxillingua</i>	Cutlip Minnow	[S1 G5]	N.C. SPECIAL CONCERN
44	<i>Hybognathus regius</i>	Eastern Silvery Minnow	[S5 G5]	
45	<i>Hybopsis amblops</i>	Bigeye Chub	[S3 G5]	
46	<i>Hybopsis hypsinotus</i>	Highback Chub	[S4 G4]	
47	<i>Hybopsis rubrifrons</i>	Rosyface Chub	[S1 G4]	N.C. THREATENED
48	<i>Luxilus albeolus</i>	White Shiner	[S5 G5]	
49	<i>Luxilus cerasinus</i>	Crescent Shiner	[S4 G4]	
50	<i>Luxilus chrysocephalus</i>	Striped Shiner	[S1 G5]	N.C. SPECIAL CONCERN
51	<i>Luxilus coccogenis</i>	Warpaint Shiner	[S5 G5]	
52	<i>Lythrurus ardens</i>	Rosefin Shiner	[S3 G5]	
53	<i>Lythrurus matutinus</i>	Pinewoods Shiner	[S3 (S3S4) G3G4]	N.C. Watch List; endemic to N.C.
54	<i>Nocomis leptoccephalus</i>	Bluehead Chub	[S5 G5]	
55	<i>Nocomis micropogon</i>	River Chub	[S4 G5]	
56	<i>Nocomis platyrhynchus</i>	Bigmouth Chub	[S2 G4Q]	N.C. Watch List
57	<i>Nocomis raneyi</i>	Bull Chub	[S4 G4]	
58	<i>Notemigonus crysoleucas</i>	Golden Shiner	[S5 G5]	
59	<i>Notropis alborus</i>	Whitemouth Shiner	[S4 G4]	
60	<i>Notropis altipinnis</i>	Highfin Shiner	[S5 G5]	
61	<i>Notropis amoenus</i>	Comely Shiner	[S4 G5]	
62	<i>Notropis bifrenatus</i>	Bridle Shiner	[S1 G3]	N.C. ENDANGERED
63	<i>Notropis chalybaeus</i>	Ironcolor Shiner	[S2S3 G4]	N.C. Significantly Rare
64	<i>Notropis chiliticus</i>	Redlip Shiner	[S4 G4]	
65	<i>Notropis chlorocephalus</i>	Greenhead Shiner	[S4 G4]	
66	<i>Notropis cummingsae</i>	Dusky Shiner	[S5 G5]	
67	<i>Notropis hudsonius</i>	Spottail Shiner	[S5 G5]	
68	<i>Notropis leuciodus</i>	Tennessee Shiner	[S5 G5]	
69	<i>Notropis lutipinnis</i>	Yellowfin Shiner	[S2 G4Q]	N.C. SPECIAL CONCERN
70	<i>Notropis maculatus</i>	Taillight Shiner	[S2 G5]	N.C. Watch List
71	<i>Notropis mekistocholas</i>	Cape Fear Shiner	[S1 G1]	U.S. ENDANGERED, N.C. ENDANGERED; endemic to N.C.
72	<i>Notropis micropteryx</i>	Highland Shiner	[S2 G5]	N.C. Significantly Rare
73	<i>Notropis petersoni</i>	Coastal Shiner	[S4 G5]	
74	<i>Notropis photogenis</i>	Silver Shiner	[S3 G5]	N.C. Watch List
75	<i>Notropis procne</i>	Swallowtail Shiner	[S5 G5]	
76	<i>Notropis rubricroceus</i>	Saffron Shiner	[S3 G4G5]	N.C. Watch List
77	<i>Notropis scabriceps</i>	New River Shiner	[S2 G4]	N.C. Watch List
78	<i>Notropis szepticus</i>	Sandbar Shiner	[S4 G4]	
79	<i>Notropis spectrunculus</i>	Mirror Shiner	[S4 G4]	
80	<i>Notropis telescopus</i>	Telescope Shiner	[S4 G5]	
81	<i>Notropis volucellus</i>	Mimic Shiner	[S2 G5]	N.C. THREATENED
82	<i>Notropis sp. 1</i>	'Kanawha' Rosyface Shiner	[S2 GNR]	Undescribed species/taxon; N.C. Significantly Rare
83	<i>Notropis sp. 2</i>	'Piedmont' Shiner	[S4 G4Q]	Undescribed taxon close to <i>Notropis chlorocephalus</i>
84	<i>Phenacobius crassilabrum</i>	Fatlips Minnow	[S3 G3G4]	N.C. Watch List
85	<i>Phenacobius teretulus</i>	Kanawha Minnow	[S3 G3G4]	N.C. SPECIAL CONCERN
86	<i>Pimephales notatus</i>	Bluntnose Minnow	[S3 G5]	N.C. Watch List
87	<i>Pimephales promelas</i>	Fathead Minnow	[SE G5]	Not native
88	<i>Rhinichthys atratulus</i>	Eastern Blacknose Dace	[SR (S1) G5]	Appears to be present in the Stewarts Creek watershed (Surry County)
89	<i>Rhinichthys cataractae</i>	Longnose Dace	[S5 G5]	
90	<i>Rhinichthys obtusus</i>	Western Blacknose Dace	[S5 G5]	
91	<i>Semotilus atromaculatus</i>	Creek Chub	[S5 G5]	
92	<i>Semotilus lumbee</i>	Sandhills Chub	[S2 G3G4]	N.C. SPECIAL CONCERN

**Catostomidae: Suckers [29]**

93	<i>Carpionodes carpio</i>	River Carpsucker	[S1 G5]	N.C. SPECIAL CONCERN
94	<i>Carpionodes cyprinus</i>	Quillback	[S2 G5]	N.C. Significantly Rare

**Catostomidae: Suckers [cont.]**

95	<i>Carpiodes sp. 1</i>	'Atlantic' Highfin Carpsucker	[S1 GNR]	Undescribed species/taxon close to <i>Carpiodes velifer</i> ; N.C. SPECIAL CONCERN
96	<i>Carpiodes sp. 2</i>	'Carolina' Quillback	[S2 GNR]	Undescribed species/taxon close to <i>Carpiodes cyprinus</i> ; N.C. Significantly Rare
97	<i>Catostomus commersonii</i>	White Sucker	[S5 G5]	
98	<i>Erimyzon oblongus</i>	Eastern Creek Chubsucker	[S5 G5]	
99	<i>Erimyzon sucetta</i>	Lake Chubsucker	[S3 G5]	
100	<i>Hypentelium nigricans</i>	Northern Hog Sucker	[S5 G5]	
101	<i>Hypentelium roanokense</i>	Roanoke Hog Sucker	[S3 G4]	N.C. Watch List
102	<i>Ictiobus bubalus</i>	Smallmouth Buffalo	[S1 G5]	N.C. Significantly Rare
103	<i>Ictiobus cyprinellus</i>	Bigmouth Buffalo	[SE G5]	Not native
104	<i>Ictiobus niger</i>	Black Buffalo	[S1 G5]	N.C. Significantly Rare
105	<i>Minytrema melanops</i>	Spotted Sucker	[S4 G5]	
106	<i>Moxostoma anisurum</i>	Silver Redhorse	[(S3) G5]	
107	<i>Moxostoma ariommum</i>	Bigeye Jumprock	[S2 G4]	N.C. THREATENED
108	<i>Moxostoma breviceps</i>	Smallmouth Redhorse	[S2 G5]	N.C. Significantly Rare
109	<i>Moxostoma carinatum</i>	River Redhorse	[S2 G4]	N.C. Watch List
110	<i>Moxostoma cervinum</i>	Blacktip Jumprock	[S3 G4]	
111	<i>Moxostoma collapsum</i>	Notchlip Redhorse	[S5 G5]	
112	<i>Moxostoma duquesnei</i>	Black Redhorse	[S4 G5]	
113	<i>Moxostoma erythrurum</i>	Golden Redhorse	[S4 G5]	
114	<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	[S4 G5]	
115	<i>Moxostoma pappilosum</i>	V-lip Redhorse	[S4 G4]	
116	<i>Moxostoma robustum</i>	Robust Redhorse	[S1 G1]	N.C. ENDANGERED
117	<i>Moxostoma rupiscartes</i>	Striped Jumprock	[S4 G4]	
118	<i>Moxostoma sp. 2</i>	'Sicklefin' Redhorse	[S2 G1G2]	Undescribed species/taxon; N.C. THREATENED
119	<i>Moxostoma sp. 3</i>	'Carolina' Redhorse	[S2 G1G2Q]	Undescribed species/taxon; N.C. THREATENED
120	<i>Moxostoma sp. 4</i>	'Brassy' Jumprock	[S4 G4]	Undescribed species/taxon
121	<i>Thoburnia hamiltoni</i>	Rustyside Sucker	[S1 G3]	N.C. ENDANGERED

**Cobitidae: [1]**

122	<i>Misgurnus anguillicaudatus</i>	Oriental Weatherfish	[SE G5]	Not native
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**Ictaluridae: North American Catfishes [18]**

123	<i>Ameiurus brunneus</i>	Snail Bullhead	[S4 G4]	
124	<i>Ameiurus catus</i>	White Catfish	[S4 G5]	
125	<i>Ameiurus melas</i>	Black Bullhead	[SE G5]	Not native
126	<i>Ameiurus natalis</i>	Yellow Bullhead	[S5 G5]	
127	<i>Ameiurus nebulosus</i>	Brown Bullhead	[S5 G5]	
128	<i>Ameiurus platycephalus</i>	Flat Bullhead	[S4 G4]	
129	<i>Ictalurus furcatus</i>	Blue Catfish	[SE G5]	Not native
130	<i>Ictalurus punctatus</i>	Channel Catfish	[S5 G5]	Uncertain if native in Atlantic drainages
131	<i>Noturus eleutherus</i>	Mountain Madtom	[S1 G4]	N.C. SPECIAL CONCERN
132	<i>Noturus flavus</i>	Stonecat	[S1 G5]	N.C. ENDANGERED
133	<i>Noturus furiosus</i>	Carolina Madtom	[S2 G2]	U.S. PROPOSED ENDANGERED, N.C. THREATENED; endemic to N.C., but nearly extirpated from the Neuse basin
134	<i>Noturus gilberti</i>	Orangefin Madtom	[S1 G2]	N.C. ENDANGERED
135	<i>Noturus gyrinus</i>	Tadpole Madtom	[S5 G5]	
136	<i>Noturus insignis</i>	Margined Madtom	[S5 G5]	
137	<i>Noturus sp. 1</i>	'Cape Fear Broadtail' Madtom	[S1 G2]	Undescribed species/taxon; N.C. SPECIAL CONCERN; endemic to N.C.
138	<i>Noturus sp. 2</i>	'Lake Waccamaw Broadtail' Madtom	[(S1) GNR]	N.C. SPECIAL CONCERN; endemic to N.C.
139	<i>Noturus sp. 3</i>	'Pee Dee Broadtail' Madtom	[(S1) GNR]	N.C. SPECIAL CONCERN
140	<i>Pylodictis olivaris</i>	Flathead Catfish	[S2 G5]	

**Loricariidae: Suckermouth Armored Catfishes [1]**

141	<i>Pterygoplichthys pardalis</i>	Amazon Sailfin Catfish	[SE GNR]	Not native
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**Esocidae: Pikes [3]**

142	<i>Esox americanus</i>	Redfin Pickerel	[S5 G5]	
143	<i>Esox masquinongy</i>	Muskellunge	[S3 G5]	
144	<i>Esox niger</i>	Chain Pickerel	[S5 G5]	

**Umbridae: Mudminnows [1]**

145 *Umbra pygmaea* ..... Eastern Mudminnow ..... [S5 G5]

**Salmonidae: Salmonids [Salmons and Trouts] [4]**

146 *Oncorhynchus mykiss* ..... Rainbow Trout ..... [SE G5] Not native

147 *Oncorhynchus nerka* ..... Sockeye Salmon ..... [SE G5] Not native

148 *Salmo trutta* ..... Brown Trout ..... [SE G5] Not native

149 *Salvelinus fontinalis* ..... Brook Trout ..... [S5 G5]

**Aphredoderidae: Pirate Perches [1]**

150 *Aphredoderus sayanus* ..... Pirate Perch ..... [S5 G5]

**Amblyopsidae: Cavefishes [1]**

151 *Chologaster cornuta* ..... Swampfish ..... [S4 G5]

**Mugilidae: Mulletts [2]**

152 *\*Dajaus monticola* ..... Mountain Mullet ..... [S1 G5]

153 *\*Mugil cephalus* ..... Striped Mullet ..... [S5 G5]

**Atherinopsidae: New World Silversides [4]**

154 *Labidesthes sicculus* ..... Brook Silverside ..... [S3 (S1) G5] First discovered in N.C. in 2012; NCBP suggests Significantly Rare status

155 *Labidesthes vanhyningi* ..... Southern Brook Silverside ..... [S3 GNR]

156 *\*Menidia beryllina* ..... Inland Silverside ..... [S5 G5]

157 *Menidia extensa* ..... Waccamaw Silverside ..... [S1 G1] U.S. THREATENED, N.C. THREATENED; endemic to N.C.

**Belonidae: Needlefishes [1]**

158 *\*Strongylura marina* ..... Atlantic Needlefish ..... [S5 G5]

**Fundulidae: Topminnows [10]**

159 *Fundulus chrysotus* ..... Golden Topminnow ..... [S3 G5] N.C. Watch List

160 *\*Fundulus confluentus* ..... Marsh Killifish ..... [S3 G5] N.C. Watch List

161 *Fundulus diaphanus* ..... Banded Killifish ..... [S4 G5]

162 *\*Fundulus heteroclitus* ..... Mummichog ..... [S5 G5]

163 *Fundulus lineolatus* ..... Lined Topminnow ..... [S4 G5]

164 *Fundulus rathbuni* ..... Speckled Killifish ..... [S4 G4]

165 *Fundulus waccamensis* ..... Waccamaw Killifish ..... [S1 G1] N.C. SPECIAL CONCERN; endemic to N.C.

166 *Fundulus sp. 1* ..... 'Lake Phelps' Killifish ..... [S1 G1Q] Undescribed taxon close to *Fundulus diaphanus*; N.C. Significantly Rare; endemic to N.C.

167 *Lucania goodei* ..... Bluefin Killifish ..... [SE G5] Not native; N.C. SPECIAL CONCERN

168 *\*Lucania parva* ..... Rainwater Killifish ..... [S5 G5]

**Poeciliidae: Poeciliids [Livebearers] [4]**

169 *Gambusia affinis* ..... Western Mosquitofish ..... [SE (S1?) G5] NCBP suggests Significantly Rare status

170 *\*Gambusia holbrooki* ..... Eastern Mosquitofish ..... [S5 G5]

171 *Heterandria formosa* ..... Least Killifish ..... [S2 G5] N.C. SPECIAL CONCERN

172 *\*Poecilia latipinna* ..... Sailfin Molly ..... [S2? G5]

**Cyprinodontidae: Pupfishes [1]**

173 *\*Cyprinodon variegatus* ..... Sheepshead Minnow ..... [S5 G5]

**Gasterosteidae: Sticklebacks [1]**

174 *\*Apeltes quadracus* ..... Fourspine Stickleback ..... [S1 (S2) G5]

**Cottidae: Sculpins [3]**

175 *Cottus bairdii* ..... Mottled Sculpin ..... [S5 G5]

176 *Cottus caeruleomentum* ..... Blue Ridge Sculpin ..... [S1 G4] N.C. SPECIAL CONCERN

177 *Cottus carolinae* ..... Banded Sculpin ..... [S1 G5] N.C. SPECIAL CONCERN

**Moronidae: Temperate Basses [3]**

178 *\*Morone americana* ..... White Perch ..... [S5 G5]

179 *Morone chrysops* ..... White Bass ..... [SE G5] Not native

180 *\*Morone saxatilis* ..... Striped Bass ..... [S4 G5]

**Centrarchidae: Sunfishes [23]**

181 *Acantharchus pomotis* ..... Mud Sunfish ..... [S4 G4G5]

182 *Ambloplites cavifrons* ..... Roanoke Bass ..... [S2 G3] N.C. Significantly Rare

183 *Ambloplites rupestris* ..... Rock Bass ..... [S4 G5]

184 *Centrarchus macropterus* ..... Flier ..... [S5 G5]

185 *Enneacanthus chaetodon* ..... Blackbanded Sunfish ..... [S3 G3G4] N.C. Significantly Rare

186 *Enneacanthus gloriosus* ..... Bluespotted Sunfish ..... [S5 G5]

187 *Enneacanthus obesus* ..... Banded Sunfish ..... [S3 G5] N.C. Significantly Rare

**Centrarchidae: Sunfishes [cont.]**

188	<i>Lepomis auritus</i>	Redbreast Sunfish	[S5 G5]	
189	<i>Lepomis cyanellus</i>	Green Sunfish	[SE G5]	Not native
190	<i>Lepomis gibbosus</i>	Pumpkinseed	[S5 G5]	
191	<i>Lepomis gulosus</i>	Warmouth	[S5 G5]	
192	<i>Lepomis macrochirus</i>	Bluegill	[S5 G5]	
193	<i>Lepomis marginatus</i>	Dollar Sunfish	[S3 G5]	N.C. Watch List
194	<i>Lepomis microlophus</i>	Redear Sunfish	[SE G5]	Not native
195	<i>Lepomis punctatus</i>	Spotted Sunfish	[S3 G5]	N.C. Watch List
196	<i>Micropterus coosae</i>	Redeye Bass	[SE GNR]	
197	<i>Micropterus dolomieu</i>	Smallmouth Bass	[S4 G5]	
198	<i>Micropterus henshalli</i>	Alabama Bass	[SE G5]	Not native
199	<i>Micropterus punctulatus</i>	Spotted Bass	[S2 G5]	
200	<i>Micropterus salmoides</i>	Largemouth Bass	[S5 G5]	
201	<i>Micropterus sp. 1 (Savannah)</i>	'Bartram's' Bass	[S1 GNR]	Considered as <i>M. coosae</i> by the N.C. Natural Heritage Program
202	<i>Pomoxis annularis</i>	White Crappie	[S3? G5]	
203	<i>Pomoxis nigromaculatus</i>	Black Crappie	[S5 G5]	

**Percidae: Perches and Darters [40]**

204	<i>Etheostoma acuticeps</i>	Sharphead Darter	[S1 G3]	<i>Nothonotus acuticeps</i> on the NANFA checklist, but not a valid genus according to ITIS; N.C. THREATENED
205	<i>Etheostoma blennioides</i>	Greenside Darter	[S4 G5]	
206	<i>Etheostoma brevispinum</i>	Carolina Fantail Darter	[S4 G4]	
207	<i>Etheostoma chlorbranchium</i>	Greenfin Darter	[S3 G4]	<i>Nothonotus chlorbranchius</i> on the NANFA checklist, but not a valid genus according to ITIS
208	<i>Etheostoma collis</i>	Carolina Darter	[S3 G3]	N.C. SPECIAL CONCERN
209	<i>Etheostoma flabellare</i>	Fantail Darter	[S3 G5]	N.C. Watch List
210	<i>Etheostoma fusiforme</i>	Swamp Darter	[S5 G5]	
211	<i>Etheostoma gutselli</i>	Tuckasegee Darter	[S3 G3G4]	N.C. Watch List
212	<i>Etheostoma inscriptum</i>	Turquoise Darter	[S1 G4]	N.C. THREATENED
213	<i>Etheostoma jessiae</i>	Blueside Darter	[SX G4]	N.C. SPECIAL CONCERN; extirpated
214	<i>Etheostoma kanawhae</i>	Kanawha Darter	[S3 G4]	N.C. Significantly Rare
215	<i>Etheostoma mariae</i>	Pinewoods Darter	[S2 G3]	N.C. SPECIAL CONCERN
216	<i>Etheostoma nigrum</i>	Johnny Darter	[S4 G5]	
217	<i>Etheostoma olmstedii</i>	Tessellated Darter	[S5 G5]	
218	<i>Etheostoma perlongum</i>	Waccamaw Darter	[S1 G1Q]	N.C. THREATENED; endemic to N.C.
219	<i>Etheostoma podostemone</i>	Riverweed Darter	[S2 G4]	N.C. Significantly Rare
220	<i>Etheostoma rufilineatum</i>	Redline Darter	[S3 G5]	<i>Nothonotus rufilineatus</i> on the NANFA checklist, but not a valid genus according to ITIS; N.C. Watch List
221	<i>Etheostoma serrifer</i>	Sawcheek Darter	[S5 G5]	
222	<i>Etheostoma simoterum</i>	Snubnose Darter	[S1 G3G4]	
223	<i>Etheostoma swannanoa</i>	Swannanoa Darter	[S4 G4]	
224	<i>Etheostoma thalassinum</i>	Seagreen Darter	[S3 G4]	N.C. Significantly Rare
225	<i>Etheostoma vitreum</i>	Glassy Darter	[S3 G4G5]	N.C. Watch List
226	<i>Etheostoma vulneratum</i>	Wounded Darter	[S2 G3]	<i>Nothonotus vulneratus</i> on the NANFA checklist, but not a valid genus according to ITIS; N.C. SPECIAL CONCERN
227	<i>Etheostoma zonale</i>	Banded Darter	[S3 G5]	
228	<i>Perca flavescens</i>	Yellow Perch	[S5 G5]	
229	<i>Percina aurantiaca</i>	Tangerine Darter	[S3 G4]	N.C. Watch List
230	<i>Percina burtoni</i>	Blotchside Logperch	[S1 G2G3]	N.C. ENDANGERED
231	<i>Percina caprodes</i>	Logperch	[S1 G5]	N.C. THREATENED
232	<i>Percina crassa</i>	Piedmont Darter	[S4 G4]	
233	<i>Percina evides</i>	Gilt Darter	[S4 G4]	
234	<i>Percina gymnocephala</i>	Appalachia Darter	[S2 G4]	N.C. Significantly Rare
235	<i>Percina nevisense</i>	Chainback Darter	[S4 G4G5]	
236	<i>Percina oxyrhynchus</i>	Sharpnose Darter	[S1 G4]	N.C. ENDANGERED
237	<i>Percina rex</i>	Roanoke Logperch	[S1 G1G2]	U.S. ENDANGERED, N.C. ENDANGERED
238	<i>Percina roanoka</i>	Roanoke Darter	[S4 G4]	
239	<i>Percina squamata</i>	Olive Darter	[S2 G3]	N.C. SPECIAL CONCERN

**Percidae: Perches and Darters [cont.]**

240	<i>Percina westfalli</i>	Westfall's Darter	[S1 G5]	N.C. SPECIAL CONCERN; formerly considered as <i>P. nigrofasciata</i>
241	<i>Percina williamsi</i>	Sickle Darter	[SX G2]	N.C. SPECIAL CONCERN; extirpated
242	<i>Sander canadensis</i>	Sauger	[S1 G5]	N.C. Significantly Rare
243	<i>Sander vitreus</i>	Walleye	[S5 G5]	

**Sciaenidae: Drums [2]**

244	<i>Aplodinotus grunniens</i>	Freshwater Drum	[S1 G5]	N.C. SPECIAL CONCERN
245	* <i>Leiostomus xanthurus</i>	Spot	[S5 G5]	

**Elassomatidae: Pygmy Sunfishes [3]**

246	<i>Elassoma boehlkei</i>	Carolina Pygmy Sunfish	[S2 G2]	N.C. THREATENED
247	<i>Elassoma evergladei</i>	Everglades Pygmy Sunfish	[S3 G5]	N.C. Watch List
248	<i>Elassoma zonatum</i>	Banded Pygmy Sunfish	[S5 G5]	

**Cichlidae: Cichlids [2]**

249	<i>Coptodon zillii</i>	Redbelly Tilapia	[SE G5]	Not native
250	<i>Oreochromis aureus</i>	Blue Tilapia	[SE G5]	Not native

**Eleotridae: [2]**

251	* <i>Dormitator maculatus</i>	Fat Sleeper	[S3 G5]	
252	* <i>Eleotris amblyopsis</i>	Largescaled Spinycheek Sleeper	[S2 G5]	

**Gobiidae: [3]**

253	* <i>Awaous banana</i>	River Goby	[SE G5]	Not native
254	* <i>Ctenogobius shufeldti</i>	Freshwater Goby	[S4 G5]	
255	* <i>Evorthodus lyricus</i>	Lyre Goby	[S2 G5]	

**Paralichthyidae: [1]**

256	* <i>Paralichthys lethostigma</i>	Southern Flounder	[S5 G5]	
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**Archiridae: [1]**

257	* <i>Trinectes maculatus</i>	Hogchoker	[S5 G5]	
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The following are found in both the Freshwater species list and the Marine species list:

- 1 *Acipenser brevirostrum*
- 2 *Acipenser oxyrinchus*
- 3 *Alosa aestivalis*
- 4 *Alosa mediocris*
- 5 *Alosa pseudoharengus*
- 6 *Alosa sapidissima*
- 7 *Anchoa mitchilli*
- 8 *Anguilla rostrata*
- 9 *Apeltes quadracus*
- 10 *Awaous banana*
- 11 *Brevoortia tyrannus*
- 12 *Ctenogobius shufeldti*
- 13 *Cyprinodon variegatus*
- 14 *Dajaus monticola*
- 15 *Dormitator maculatus*
- 16 *Dorosoma cepedianum*
- 17 *Dorosoma petenense*
- 18 *Eleotris amblyopsis*
- 19 *Evorthodus lyricus*
- 20 *Fundulus confluentus*
- 21 *Fundulus heteroclitus*
- 22 *Gambusia holbrooki*
- 23 *Leiostomus xanthurus*
- 24 *Lepisosteus osseus*
- 25 *Lucania parva*
- 26 *Menidia beryllina*
- 27 *Morone americana*
- 28 *Morone saxatilis*
- 29 *Mugil cephalus*
- 30 *Paralichthys lethostigma*
- 31 *Petromyzon marinus*
- 32 *Poecilia latipinna*
- 33 *Strongylura marina*
- 34 *Trinectes maculatus*

**State Rank:**

S1 = Critically imperiled in the state  
S2 = Imperiled in the state  
S3 = Rare or uncommon in the state  
S4 = Apparently secure in the state  
S5 = Demonstrably secure in the state  
SH = Of historical occurrence, last record over 30 years ago  
SX = Extirpated from the state  
SE = Exotic/Introduced, presumed not native to the state

**Global Rank** - Global ranks are similar to state ranks except "in the state" is replaced by "globally". Additional global ranks are:  
T = global rank of the subspecies/taxon  
Q = questionable taxonomic assignment  
NR = not yet ranked

**References:**

- ITIS. Retrieved [May, 28, 2017], from the Integrated Taxonomic Information System (ITIS) (<http://www.itis.gov>).
- Menhenick. E.F. 1991. The Freshwater Fishes of North Carolina. North Carolina Wildlife Resources Commission.
- North Carolina Department of Environmental Quality. 2017. Native and Nonindigenous Freshwater Fish in North Carolina (website). <https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/ecosystems-branch/native-nonindigenous-fish>
- Page, L.M., and B.M. Burr. 2011. Peterson Field Guide to Freshwater Fishes of North America North of Mexico. Houghton Mifflin Harcourt, Boston, MA.
- Scharpf, C. (compiler). 2017. Checklist of Freshwater Fishes of North America, including subspecies and undescribed forms. North American Native Fishes Association (website). <http://www.nanfa.org/checklist.shtml>
- Scientific Council of Freshwater Fishes. 2011. 2011 Reevaluation of Status Listings for Jeopardized Freshwater Fishes in North Carolina. Report to the Nongame Wildlife Advisory Committee of the North Carolina Wildlife Resources Commission.
- Tracy, B.H., F.C. Rohde, and G.M. Hogue. 2020. An Annotated Atlas of the Freshwater Fishes of North Carolina. Southeastern Fishes Council Proceedings: No. 60.

# River Basins of North Carolina

Tennessee basins/drainages: New, Watauga, Nolichucky, French Broad, Pigeon, Little Tennessee, and Hiwassee

Atlantic basins/drainages: all other river basins



**Map 2. North Carolina's 21 river basins.**

Source: Tracy, B.H., F.C. Rohde, and G.M. Hogue. 2020. An Annotated Atlas of the Freshwater Fishes of North Carolina. Southeastern Fishes Council Proceedings: No. 60.