

List of the Freshwater Fishes species of North Carolina - printed 2024-07-02

There are 234 native plus 24 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 258 Fresh + 749 Marine - 34 = 973 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

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|---|------------------------------|------------------------|----------------|----------------------|
| 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]

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|---|---------------------------------|--------------------|-------------|---|
| 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]

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

Lepisosteidae: Gars [1]

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

Amiidae: Bowfins [1]

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|----|-------------------|--------|---------|--|
| 11 | <i>Amia calva</i> | Bowfin | [S5 G5] | |
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Anguillidae: Freshwater Eels [1]

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|----|----------------------------|--------------|--------------|--|
| 12 | * <i>Anguilla rostrata</i> | American Eel | [S4 (S5) G4] | |
|----|----------------------------|--------------|--------------|--|

Hiodontidae: Mooneyes [1]

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|----|------------------------|---------|---------|----------------------|
| 13 | <i>Hiodon tergisus</i> | Mooneye | [S1 G5] | N.C. SPECIAL CONCERN |
|----|------------------------|---------|---------|----------------------|

Alosidae: [5]

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|----|-------------------------------|-------------------|-----------|--|
| 14 | * <i>Alosa aestivalis</i> | Blueback Herring | [S5 G3G4] | |
| 15 | * <i>Alosa mediocris</i> | Hickory Shad | [S3 G4] | |
| 16 | * <i>Alosa pseudoharengus</i> | Alewife | [S5 G5] | |
| 17 | * <i>Alosa sapidissima</i> | American Shad | [S5 G5] | |
| 18 | * <i>Brevoortia tyrannus</i> | Atlantic Menhaden | [S5 G5] | |

Dorosomatidae: [2]

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|----|------------------------------|----------------|---------|------------|
| 19 | * <i>Dorosoma cepedianum</i> | Gizzard Shad | [S5 G5] | |
| 20 | * <i>Dorosoma petenense</i> | Threadfin Shad | [SE G5] | Not native |

Engraulidae: Anchovies [1]

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|----|---------------------------|-------------|---------|--|
| 21 | * <i>Anchoa mitchilli</i> | Bay Anchovy | [S5 G5] | |
|----|---------------------------|-------------|---------|--|

Catostomidae: Suckers [29]

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|----|-------------------------------|-------------------------------|-----------|--|
| 22 | <i>Carpiodes carpio</i> | River Carpsucker | [S1 G5] | N.C. SPECIAL CONCERN |
| 23 | <i>Carpiodes cyprinus</i> | Quillback | [S2 G5] | N.C. Significantly Rare |
| 24 | <i>Carpiodes sp. 1</i> | 'Atlantic' Highfin Carpsucker | [S1 GNR] | Undescribed species/taxon close to <i>Carpiodes velifer</i> ; N.C. SPECIAL CONCERN |
| 25 | <i>Carpiodes sp. 2</i> | 'Carolina' Quillback | [S2 GNR] | Undescribed species/taxon close to <i>Carpiodes cyprinus</i> ; N.C. Significantly Rare |
| 26 | <i>Catostomus commersonii</i> | White Sucker | [S5 G5] | |
| 27 | <i>Erimyzon oblongus</i> | Eastern Creek Chubsucker | [S5 G5] | |
| 28 | <i>Erimyzon sucetta</i> | Lake Chubsucker | [S3 G5] | |
| 29 | <i>Hypentelium nigricans</i> | Northern Hog Sucker | [S5 G5] | |
| 30 | <i>Hypentelium roanokense</i> | Roanoke Hog Sucker | [S3 G4] | N.C. Watch List |
| 31 | <i>Ictiobus bubalus</i> | Smallmouth Buffalo | [S1 G5] | N.C. Significantly Rare |
| 32 | <i>Ictiobus cyprinellus</i> | Bigmouth Buffalo | [SE G5] | Not native |
| 33 | <i>Ictiobus niger</i> | Black Buffalo | [S1 G5] | N.C. Significantly Rare |
| 34 | <i>Minytrema melanops</i> | Spotted Sucker | [S4 G5] | |
| 35 | <i>Moxostoma anisurum</i> | Silver Redhorse | [(S3) G5] | |
| 36 | <i>Moxostoma ariommum</i> | Bigeye Jumprock | [S2 G4] | N.C. THREATENED |
| 37 | <i>Moxostoma breviceps</i> | Smallmouth Redhorse | [S2 G5] | N.C. Significantly Rare |
| 38 | <i>Moxostoma carinatum</i> | River Redhorse | [S2 G4] | N.C. Watch List |

Catostomidae: Suckers [cont.]

39	<i>Moxostoma cervinum</i>	Blacktip Jumprock	[S3 G4]	
40	<i>Moxostoma collapsum</i>	Notchlip Redhorse	[S5 G5]	
41	<i>Moxostoma duquesnei</i>	Black Redhorse	[S4 G5]	
42	<i>Moxostoma erythrurum</i>	Golden Redhorse	[S4 G5]	
43	<i>Moxostoma macrolepidotum</i>	Shorthead Redhorse	[S4 G5]	
44	<i>Moxostoma pappillosum</i>	V-lip Redhorse	[S4 G4]	
45	<i>Moxostoma robustum</i>	Robust Redhorse	[S1 G1]	N.C. ENDANGERED, U.S. CANDIDATE
46	<i>Moxostoma rupiscartes</i>	Striped Jumprock	[S4 G4]	
47	<i>Moxostoma sp. 2</i>	'Sicklefin' Redhorse	[S2 G1G2]	Undescribed species/taxon; N.C. THREATENED, U.S. CANDIDATE
48	<i>Moxostoma sp. 3</i>	'Carolina' Redhorse	[S2 G1G2Q]	Undescribed species/taxon; N.C. THREATENED
49	<i>Moxostoma sp. 4</i>	'Brassy' Jumprock	[S4 G4]	Undescribed species/taxon
50	<i>Thoburnia hamiltoni</i>	Rustyside Sucker	[S1 G3]	N.C. ENDANGERED

Cobitidae: [1]

51	<i>Misgurnus anguillicaudatus</i>	Pond Loach	[SE G5]	Not native
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Cyprinidae: Minnows and Carps [3]

52	<i>Carassius auratus</i>	Goldfish	[SE G5]	Not native
53	<i>Cyprinus carpio</i>	Common Carp	[SE G5]	Not native
54	<i>Cyprinus rubrofuscus</i>	Koi	[SE G5]	Not native

Xenocyprididae: [1]

55	<i>Ctenopharyngodon idella</i>	Grass Carp	[SE G5]	Not native
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Leuciscidae: [68]

56	<i>Alburnops chalybaeus</i>	Ironcolor Shiner	[S2S3 G4]	N.C. THREATENED
57	<i>Alburnops petersoni</i>	Coastal Shiner	[S4 G5]	
58	<i>Campostoma anomalum</i>	Central Stoneroller	[S5 G5]	
59	<i>Chrosomus oreas</i>	Mountain Redbelly Dace	[S4 G5]	
60	<i>Clinostomus funduloides</i>	Rosyside Dace	[S5 G5]	
61	<i>Clinostomus sp. 1</i>	'Smoky' Dace	[S2 G5T3]	Undescribed species/taxon; N.C. SPECIAL CONCERN
62	<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
63	<i>Coccotis coccogenis</i>	Warpaint Shiner	[S5 G5]	
64	<i>Cyprinella analostana</i>	Satinfin Shiner	[S5 G5]	
65	<i>Cyprinella chloristia</i>	Greenfin Shiner	[S4 G4]	
66	<i>Cyprinella galactura</i>	Whitetail Shiner	[S4 G5]	
67	<i>Cyprinella labrosa</i>	Thicklip Chub	[S3 G4]	N.C. THREATENED
68	<i>Cyprinella lutrensis</i>	Red Shiner	[SE G5]	Not native
69	<i>Erimonax monachus</i>	Spotfin Chub	[S1 G2]	U.S. THREATENED, N.C. THREATENED
70	<i>Cyprinella nivea</i>	Whitefin Shiner	[S4 G4]	
71	<i>Cyprinella pyrrhomelas</i>	Fieryblack Shiner	[S4 G4]	
72	<i>Cyprinella spiloptera</i>	Spotfin Shiner	[S2 (S2S3) G5]	N.C. Watch List
73	<i>Cyprinella zanema</i>	Santee Chub	[S3 G4]	N.C. THREATENED
74	<i>Cyprinella sp. 1</i>	'Thinlip' Chub	[S2 G2Q]	Undescribed species/taxon; N.C. SPECIAL CONCERN
75	<i>Erimystax insignis</i>	Blotched Chub	[S2 G4]	N.C. THREATENED
76	<i>Exoglossum laurae</i>	Tonguetied Minnow	[S2 G4]	N.C. Significantly Rare
77	<i>Exoglossum maxillingua</i>	Cutlip Minnow	[S1 G5]	N.C. SPECIAL CONCERN
78	<i>Hudsonius altipinnis</i>	Highfin Shiner	[S5 G5]	
79	<i>Hudsonius hudsonius</i>	Spottail Shiner	[S5 G5]	
80	<i>Hybognathus regius</i>	Eastern Silvery Minnow	[S5 G5]	
81	<i>Hybopsis amblops</i>	Bigeye Chub	[S3 G5]	
82	<i>Hybopsis hypsinotus</i>	Highback Chub	[S4 G4]	
83	<i>Hybopsis rubrifrons</i>	Rosyface Chub	[S1 G4]	N.C. THREATENED
84	<i>Hydrophlox chiliticus</i>	Redlip Shiner	[S4 G4]	
85	<i>Hydrophlox chlorocephalus</i>	Greenhead Shiner	[S4 G4]	
86	<i>Hydrophlox lutipinnis</i>	Yellowfin Shiner	[S2 G4Q]	N.C. SPECIAL CONCERN
87	<i>Hydrophlox rubricroceus</i>	Saffron Shiner	[S3 G4G5]	N.C. Watch List
88	<i>Hydrophlox sp. 1</i>	'Piedmont' Shiner	[S4 G4Q]	Undescribed taxon close to <i>Hydrophlox chlorocephalus</i>
89	<i>Luxilus albeolus</i>	White Shiner	[S5 G5]	
90	<i>Luxilus cerasinus</i>	Crescent Shiner	[S4 G4]	
91	<i>Luxilus chrysocephalus</i>	Striped Shiner	[S1 G5]	N.C. SPECIAL CONCERN

Leuciscidae: [cont.]

92	<i>Lythrurus ardens</i>	Rosefin Shiner	[S3 G5]	
93	<i>Lythrurus matutinus</i>	Pinewoods Shiner	[S3 (S3S4) G3G4]	N.C. Watch List; endemic to N.C.
94	<i>Miniellus alborus</i>	Whitemouth Shiner	[S4 G4]	
95	<i>Miniellus mekistocholas</i>	Cape Fear Shiner	[S1 G1]	U.S. ENDANGERED, N.C. ENDANGERED; endemic to N.C.
96	<i>Miniellus procne</i>	Swallowtail Shiner	[S5 G5]	
97	<i>Miniellus scabriceps</i>	New River Shiner	[S2 G4]	N.C. Watch List
98	<i>Nocomis leptocephalus</i>	Bluehead Chub	[S5 G5]	
99	<i>Nocomis micropogon</i>	River Chub	[S4 G5]	
100	<i>Nocomis platyrhynchus</i>	Bigmouth Chub	[S2 G4Q]	N.C. Watch List
101	<i>Nocomis raneyi</i>	Bull Chub	[S4 G4]	
102	<i>Notemigonus crysoleucas</i>	Golden Shiner	[S5 G5]	
103	<i>Notropis amoenus</i>	Comely Shiner	[S4 G5]	
104	<i>Notropis bifrenatus</i>	Bridle Shiner	[S1 G3]	N.C. ENDANGERED
105	<i>Notropis maculatus</i>	Taillight Shiner	[S2 G5]	N.C. Watch List
106	<i>Notropis micropteryx</i>	Highland Shiner	[S2 G5]	N.C. Significantly Rare
107	<i>Notropis photogenis</i>	Silver Shiner	[S3 G5]	N.C. Watch List
108	<i>Notropis scepticus</i>	Sandbar Shiner	[S4 G4]	
109	<i>Notropis telescopus</i>	Telescope Shiner	[S4 G5]	
110	<i>Notropis sp. 1</i>	'Kanawha' Rosyface Shiner	[S2 GNR]	Undescribed species/taxon; N.C. Significantly Rare
111	<i>Paranotropis leuciodus</i>	Tennessee Shiner	[S5 G5]	
112	<i>Paranotropis spectrunculus</i>	Mirror Shiner	[S4 G4]	
113	<i>Paranotropis volucellus</i>	Mimic Shiner	[S2 G5]	N.C. THREATENED
114	<i>Phenacobius crassilabrum</i>	Fatlips Minnow	[S3 G3G4]	N.C. Watch List
115	<i>Phenacobius teretulus</i>	Kanawha Minnow	[S3 G3G4]	N.C. SPECIAL CONCERN
116	<i>Pimephales notatus</i>	Bluntnose Minnow	[S3 G5]	N.C. Watch List
117	<i>Pimephales promelas</i>	Fathead Minnow	[SE G5]	Not native
118	<i>Pteronotropis cummingsae</i>	Dusky Shiner	[S5 G5]	
119	<i>Rhinichthys atratulus</i>	Eastern Blacknose Dace	[SR (S1) G5]	Present in the upper Dan River (Stokes County)
120	<i>Rhinichthys cataractae</i>	Longnose Dace	[S5 G5]	
121	<i>Rhinichthys obtusus</i>	Western Blacknose Dace	[S5 G5]	
122	<i>Semotilus atromaculatus</i>	Creek Chub	[S5 G5]	
123	<i>Semotilus lumbee</i>	Sandhills Chub	[S2 G3G4]	N.C. SPECIAL CONCERN

Loricariidae: Suckermouth Armored Catfishes [1]

124	<i>Pterygoplichthys pardalis</i>	Amazon Sailfin Catfish	[SE GNR]	Not native
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Ictaluridae: North American Catfishes [18]

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

Esocidae: Pikes [3]

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

Esocidae: Pikes [cont.]

145 *Esox niger* Chain Pickerel [S5 G5]

Umbridae: Mudminnows [1]

146 *Umbra pygmaea* Eastern Mudminnow [S5 G5]

Salmonidae: Salmonids [Salmons and Trouts] [4]

147 *Oncorhynchus mykiss* Rainbow Trout [SE G5] Not native

148 *Oncorhynchus nerka* Sockeye Salmon [SE G5] Not native

149 *Salmo trutta* Brown Trout [SE G5] Not native

150 *Salvelinus fontinalis* Brook Trout [S4 G5] N.C. Significantly Rare

Aphredoderidae: Pirate Perches [1]

151 *Aphredoderus sayanus* Pirate Perch [S5 G5]

Amblyopsidae: Cavefishes [1]

152 *Chologaster cornuta* Swampfish [S4 G5]

Eleotridae: [2]

153 **Dormitator maculatus* Fat Sleeper [S3 G5]

154 **Eleotris amblyopsis* Largescaled Spinycheek Sleeper [S2 G5]

Gobiidae: [3]

155 **Awaous banana* River Goby [SE G5] Not native

156 **Ctenogobius shufeldti* Freshwater Goby [S4 G5]

157 **Evorthodus lyricus* Lyre Goby [S2 G5]

Paralichthyidae: [1]

158 **Paralichthys lethostigma* Southern Flounder [S5 G5]

Archiridae: [1]

159 **Trinectes maculatus* Hogchoker [S5 G5]

Cichlidae: Cichlids [2]

160 *Coptodon zillii* Redbelly Tilapia [SE G5] Not native

161 *Oreochromis aureus* Blue Tilapia [SE G5] Not native

Atherinopsidae: New World Silversides [4]

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

163 *Labidesthes vanhyningi* Southern Brook Silverside [S3 GNR]

164 **Menidia beryllina* Inland Silverside [S5 G5]

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

Fundulidae: Topminnows [10]

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

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

168 *Fundulus diaphanus* Banded Killifish [S4 G5]

169 **Fundulus heteroclitus* Mummichog [S5 G5]

170 *Fundulus lineolatus* Lined Topminnow [S4 G5]

171 *Fundulus rathbuni* Speckled Killifish [S4 G4]

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

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

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

175 **Lucania parva* Rainwater Killifish [S5 G5]

Cyprinodontidae: Pupfishes [1]

176 **Cyprinodon variegatus* Sheepshead Minnow [S5 G5]

Poeciliidae: Poeciliids [Livebearers] [4]

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

178 **Gambusia holbrooki* Eastern Mosquitofish [S5 G5]

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

180 **Poecilia latipinna* Sailfin Molly [S2? G5]

Belonidae: Needlefishes [1]

181 **Strongylura marina* Atlantic Needlefish [S5 G5]

Mugilidae: Mulletts [2]

182 **Dajaus monticola* Mountain Mullet [S1 G5]

183 **Mugil cephalus* Striped Mullet [S5 G5]

Moronidae: Temperate Basses [3]

184 **Morone americana* White Perch [S5 G5]

185 *Morone chrysops* White Bass [SE G5] Not native

Moronidae: Temperate Basses [cont.]

186 **Morone saxatilis* Striped Bass [S4 G5]

Sciaenidae: Drums [2]

187 *Aplodinotus grunniens* Freshwater Drum [S1 G5] N.C. SPECIAL CONCERN

188 **Leiostomus xanthurus* Spot [S5 G5]

Percidae: Perches and Darters [40]

189 *Etheostoma blennioides* Greenside Darter [S4 G5]

190 *Etheostoma brevispinum* Carolina Fantail Darter [S4 G4]

191 *Etheostoma collis* Carolina Darter [S3 G3] N.C. SPECIAL CONCERN

192 *Etheostoma flabellare* Fantail Darter [S3 G5] N.C. Watch List

193 *Etheostoma fusiforme* Swamp Darter [S5 G5]

194 *Etheostoma gutselli* Tuckasegee Darter [S3 G3G4] N.C. Watch List

195 *Etheostoma inscriptum* Turquoise Darter [S1 G4] N.C. THREATENED

196 *Etheostoma jessiae* Blueside Darter [SX G4] N.C. SPECIAL CONCERN; extirpated

197 *Etheostoma kanawhae* Kanawha Darter [S3 G4] N.C. Significantly Rare

198 *Etheostoma maculatiiceps* Southern Tessellated Darter [S5 G5] Formerly was mostly *E. olmstedii maculatiiceps*

199 *Etheostoma mariae* Pinewoods Darter [S2 G3] N.C. SPECIAL CONCERN

200 *Etheostoma perlongum* Waccamaw Darter [S1 G1Q] N.C. THREATENED; endemic to N.C.

201 *Etheostoma podostemone* Riverweed Darter [S2 G4] N.C. Significantly Rare

202 *Etheostoma serrifer* Sawcheek Darter [S5 G5]

203 *Etheostoma simoterum* Snubnose Darter [S1 G3G4]

204 *Etheostoma swannanoa* Swannanoa Darter [S4 G4]

205 *Etheostoma thalassinum* Seagreen Darter [S3 G4] N.C. SPECIAL CONCERN

206 *Etheostoma vitreum* Glassy Darter [S3 G4G5] N.C. Watch List

207 *Etheostoma zonale* Banded Darter [S3 G5]

208 *Etheostoma sp. 1* 'Tessellated' Darter [S4 G5] *E. olmstedii olmstedii* + *E. nigrum*

209 *Nothonotus acuticeps* Sharphead Darter [S1 G3] N.C. THREATENED

210 *Nothonotus chlorobranchius* Greenfin Darter [S3 G4]

211 *Nothonotus rufilineatus* Redline Darter [S3 G5] N.C. Watch List

212 *Nothonotus vulneratus* Wounded Darter [S2 G3] N.C. SPECIAL CONCERN

213 *Perca flavescens* Yellow Perch [S5 G5]

214 *Percina aurantiaca* Tangerine Darter [S3 G4] N.C. Watch List

215 *Percina burtoni* Blotchside Logperch [S1 G2G3] N.C. ENDANGERED

216 *Percina caprodes* Logperch [S1 G5] N.C. THREATENED

217 *Percina crassa* Piedmont Darter [S4 G4]

218 *Percina evides* Gilt Darter [S4 G4]

219 *Percina gymnocephala* Appalachia Darter [S2 G4] N.C. Significantly Rare

220 *Percina nevisensis* Chainback Darter [S4 G4G5]

221 *Percina oxyrhynchus* Sharpnose Darter [S1 G4] N.C. ENDANGERED

222 *Percina rex* Roanoke Logperch [S1 G1G2] U.S. ENDANGERED, N.C. ENDANGERED

223 *Percina roanoka* Roanoke Darter [S4 G4]

224 *Percina squamata* Olive Darter [S2 G3] N.C. SPECIAL CONCERN

225 *Percina westfalli* Sooty-banded Darter [S1 G5] N.C. SPECIAL CONCERN; formerly considered as *P. nigrofasciata*

226 *Percina williamsi* Sickle Darter [SX G2] U.S. ENDANGERED, N.C. SPECIAL CONCERN; extirpated

227 *Sander canadensis* Sauger [S1 G5] N.C. Significantly Rare

228 *Sander vitreus* Walleye [S5 G5]

Gasterosteidae: Sticklebacks [1]

229 **Apeltes quadracus* Fourspine Stickleback [S1 (S2) G5] Not native to freshwater/estuarine basins

Cottidae: Sculpins [3]

230 *Cottus bairdii* Mottled Sculpin [S5 G5]

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

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

Centrarchidae: Sunfishes [23]

233 *Acantharchus pomotis* Mud Sunfish [S4 G4G5]

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

235 *Ambloplites rupestris* Rock Bass [S4 G5]

236 *Centrarchus macropterus* Flier [S5 G5]

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

238 *Enneacanthus gloriosus* Bluespotted Sunfish [S5 G5]

Centrarchidae: Sunfishes [cont.]

239	<i>Enneacanthus obesus</i>	Banded Sunfish	[S3 G5]	N.C. Significantly Rare
240	<i>Lepomis auritus</i>	Redbreast Sunfish	[S5 G5]	
241	<i>Lepomis cyanellus</i>	Green Sunfish	[SE G5]	Not native
242	<i>Lepomis gibbosus</i>	Pumpkinseed	[S5 G5]	
243	<i>Lepomis gulosus</i>	Warmouth	[S5 G5]	
244	<i>Lepomis macrochirus</i>	Bluegill	[S5 G5]	
245	<i>Lepomis marginatus</i>	Dollar Sunfish	[S3 G5]	N.C. Watch List
246	<i>Lepomis microlophus</i>	Redear Sunfish	[SE G5]	Not native
247	<i>Lepomis punctatus</i>	Spotted Sunfish	[S3 G5]	N.C. Watch List
248	<i>Micropterus coosae</i>	Redeye Bass	[SE GNR]	Not native
249	<i>Micropterus dolomieu</i>	Smallmouth Bass	[S4 G5]	
250	<i>Micropterus henshalli</i>	Alabama Bass	[SE G5]	Not native
251	<i>Micropterus punctulatus</i>	Spotted Bass	[S2 G5]	
252	<i>Micropterus salmoides</i>	Largemouth Bass	[S5 G5]	
253	<i>Micropterus sp. 1 (Savannah)</i>	'Bartram's' Bass	[S1 GNR]	Considered as <i>M. coosae</i> by the N.C. Natural Heritage Program
254	<i>Pomoxis annularis</i>	White Crappie	[S3? G5]	
255	<i>Pomoxis nigromaculatus</i>	Black Crappie	[S5 G5]	

Elassomatidae: Pygmy Sunfishes [3]

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

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

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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.