

References for Fishes of the Flint River Basin

Compiled by the [Aquatic Sciences Lab](#) and Education and Outreach Staff at the Jones Center at Ichauway

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The Jones Center at Ichauway does not take credit for any of the images used in the “Fishes of the Flint River Basin” poster. All images were found through resources at museums, universities, and specialists. Please see the following list for the associated image citations.

We compiled this list to the best of our abilities from credible sources listed below, but acknowledge that species designations, taxonomy, and understood ranges are constantly evolving. We welcome any feedback or constructive suggestions. We greatly appreciate the valuable input and critiques from Dr. Mary Freeman, Travis Ingram, and Dr. Adam Kaeser who have all spent numerous years studying the fish species of the Flint River.

All scientific and common names are listed according to the American Fisheries Society’s 2023 Common and Scientific Names of Fishes from the United States, Canada, and Mexico, 8th edition.

Common Species Name	Image Reference
1. Alabama Shad	Missouri Department of Conservation. https://mdc.mo.gov/discover-nature/field-guide/alabama-shad
2. American Eel	Edmonson, E. & Chrisp, H. https://www.hww.ca/en/wildlife/fish-amphibians-and-reptiles/american-eel.html
3. Apalachee Shiner	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/apalachee-shiner/
4. Apalachicola Redhorse	Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/apalachicola-redhorse/
5. Atlantic Needlefish	SEFSC Pascagoula Laboratory & NOAA Photo Library. https://www.flickr.com/photos/noaaphotolib/5187509591/
6. Banded Pygmy Sunfish	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/banded-pygmy-sunfish/
7. Banded Topminnow	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/banded-topminnow/
8. Black Bullhead	Illinois Department of Natural Resources. https://dnr.illinois.gov/education/wildaboutpages/wildaboutfishes
9. Black Crappie	Connecticut Department of Energy & Environmental Protection (2009). https://portal.ct.gov/deep/fishing/freshwater/freshwater-fishes-of-connecticut/black-crappie
10. Blackbanded Darter	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/blackbanded-darter/
11. Blacktail Shiner	Noel Burkhead. https://www.inaturalist.org/guide_taxa/525627
12. Blacktip Shiner	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/blacktip-shiner/
13. Blue Catfish	Missouri Department of Conservation. https://mdc.mo.gov/discover-nature/field-guide/blue-catfish
14. Bluefin Killifish	The Fishes of North Carolina. https://ncfishes.com/freshwater-fishes-of-north-carolina/lucania-goodei/
15. Bluefin Stoneroller	Joseph Tomelleri. https://tnacifin.com/fish/bluefin-stoneroller/
16. Bluegill	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/bluegill/
17. Bluehead Chub	The Fishes of North Carolina. https://ncfishes.com/freshwater-fishes-of-north-carolina/nocomis-leptocephalus/

18. Bluenose Shiner	Howard L. Jelks. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/bluenose-shiner/
19. Bluespotted Sunfish	The Fishes of North Carolina. https://ncfishes.com/freshwater-fishes-of-north-carolina/enneacanthus-gloriosus/
20. Bluestripe Shiner	Zachary Randall. Florida Museum https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/bluestripe-shiner/
21. Bowfin	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/bowfin/
22. Brown Bullhead	Zachary Randall. Florida Museum https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/brown-bullhead/
23. Brown Darter	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/brown-darter/
24. Chain Pickerel	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/chain-pickerel/
25. Channel Catfish	Zachary Randall. Florida Museum https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/channel-catfish/
26. Clear Chub	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/clear-chub/
27. Coastal Chub	Brian Zimmerman. NANFA. https://gallery.nanfa.org/v/members/smbass/allnafish/Cyprinidae/Hybopsis+cf_+w_inchelli+Coastal+Chub+1+by+BZ.jpg.html
28. Coastal Shiner	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/coastal-shiner/
29. Common Carp	Mathew Thomas. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/common-carp/
30. Dixie Chub	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/dixie-chub/
31. Dollar Sunfish	The Fishes of North Carolina. https://ncfishes.com/freshwater-fishes-of-north-carolina/lepomis-marginatus/
32. Eastern Mosquitofish	Zachary Randall. Florida Museum https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/eastern-mosquitofish/
33. Flathead Catfish	Illinois Department of Natural Resources. https://dnr.illinois.gov/education/wildaboutpages/wildaboutfishes
34. Flier	Smithsonian Environmental Research Center. https://nas.er.usgs.gov/queries/FactSheet.aspx?SpeciesID=375
35. Florida Sand Darter	Zachary Randall. Florida Museum https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/florida-sand-darter/
36. Gizzard Shad	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/gizzard-shad/
37. Golden Shiner	Illinois Department of Natural Resources. https://dnr.illinois.gov/education/wildaboutpages/wildaboutfishes
38. Golden Silverside	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/golden-silverside/
39. Golden Topminnow	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/golden-topminnow/
40. Goldstripe Darter	Mathew R. Thomas. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/goldstripe-darter/
41. Grass Carp	Bad Angling. https://badangling.com/coarse-fish-species/grass-carp/
42. Greater Jumprock	iNaturalist. https://www.inaturalist.org/taxa/106215-Moxostoma-lachneri
43. Green Sunfish	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/green-sunfish/
44. Gulf Coast Pygmy Sunfish	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/gulf-coast-pygmy-sunfish/

45. Gulf Darter	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/gulf-darter/
46. Gulf Sturgeon	NOAA Fisheries. https://www.fisheries.noaa.gov/species/gulf-sturgeon
47. Halloween Darter	Bud Freeman. University of Georgia Press. https://ugapress.blogspot.com/2009/01/uga-press-author-helps-discover-new.html
48. Highscale Shiner	Outdoor Alabama. https://www.outdooralabama.com/shiners/highscale
49. Hybrid Striped Bass	Kentucky Department of Fish & Wildlife Resources. https://fw.ky.gov/Fish/Pages/Hybrid-Striped-Bass.aspx
50. Ironcolor Shiner	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/ironcolor-shiner/
51. Lake Chubsucker	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/lake-chubsucker/
52. Largemouth Bass	Illinois Department of Natural Resources. https://dnr.illinois.gov/education/wildaboutpages/wildaboutfishes
53. Longear Sunfish	Noel Burkhead. https://www.flickr.com/photos/51614465@N08/4882872110
54. Longjaw Minnow	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/longjaw-minnow/
55. Longnose Gar	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/longnose-gar/
56. Longnose Shiner	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/longnose-shiner/
57. Orangespotted Sunfish	Uland Thomas. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/orangespotted-sunfish/
58. Pirate Perch	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/pirate-perch/
59. Pugnose Minnow	Illinois Department of Natural Resources. https://dnr.illinois.gov/education/wildaboutpages/wildaboutfishes
60. Quillback	Uland Thomas. Illinois Department of Natural Resources. https://dnr.illinois.gov/education/wildaboutpages/wildaboutfishes/wafsucker
61. Redbreast Sunfish	Connecticut Department of Energy & Environmental Protection. https://portal.ct.gov/deep/fishing/freshwater/freshwater-fishes-of-connecticut/redbreast-sunfish
62. Redear Sunfish	Kentucky Department of Fish & Wildlife Resources. https://fw.ky.gov/Fish/Pages/Redear-Sunfish.aspx
63. Redeye Chub	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/redeye-chub/
64. Redfin Pickerel	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/redfin-pickerel/
65. Russetfin Topminnow	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/russetfin-killifish/
66. Shadow Bass	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/shadow-bass/
67. Shoal Bass	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/shoal-bass/
68. Skipjack Herring	Uland Thomas. Illinois Department of Natural Resources. https://dnr.illinois.gov/education/wildaboutpages/wildaboutfishes/wafherring/wafskipjackherring.html
69. Snail Bullhead	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/snail-bullhead/
70. Southern Brook Lamprey	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/southern-brook-lamprey/

71. Speckled Madtom	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/speckled-madtom/
72. Spottail Shiner	Fishes of North Carolina. https://ncfishes.com/freshwater-fishes-of-north-carolina/notropis-hudsonius/
73. Spotted Bass	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/spotted-bass/
74. Spotted Bullhead	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/spotted-bullhead/
75. Spotted Gar	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/spotted-gar/
76. Spotted Sucker	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/spotted-sucker/
77. Spotted Sunfish Intergrade	Bryson Hilburn. https://www.flickr.com/photos/193270478@N02/51932882613/
78. Striped Bass	Zachary Randall. Florida Museum. https://www.outdooralabama.com/temperate-bass/striped-bass
79. Striped Jumprock	Fishes of North Carolina. https://ncfishes.com/freshwater-fishes-of-north-carolina/moxostoma-rupiscartes/
80. Striped Mullet	Fishes of North Carolina. https://ncfishes.com/freshwater-fishes-of-north-carolina/mugil-cephalus/
81. Swamp Darter	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/swamp-darter/
82. Tadpole Madtom	Illinois Department of Natural Resources. https://dnr.illinois.gov/education/wildaboutpages/wildaboutfishes
83. Taillight Shiner	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/taillight-shiner/
84. Threadfin Shad	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/threadfin-shad/
85. Warmouth	Kentucky Department of Fish & Wildlife Resources. https://fw.ky.gov/Fish/Pages/Warmouth.aspx
86. Weed Shiner	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/weed-shiner/
87. White Bass	South Dakota Game, Fish, & Parks. https://gfp.sd.gov/white-bass/
88. White Catfish	The Fishes of North Carolina. https://ncfishes.com/wp-content/uploads/2020/07/White-Catfish-Ameiurus-catus.jpg
89. White Crappie	The Fishes of North Carolina. https://ncfishes.com/freshwater-fishes-of-north-carolina/pomoxis-annularis/
90. Yellow Bullhead	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/yellow-bullhead/
91. Yellow Perch	Zachary Randall. Florida Museum. https://www.floridamuseum.ufl.edu/discover-fish/florida-fishes-gallery/yellow-perch/
92. Yellowfin Shiner	The Fishes of North Carolina. https://ncfishes.com/freshwater-fishes-of-north-carolina/notropis-lutipinnis/

Additional references for species inclusion:

Albanese, B., Peterson, J. T., Freeman, B. J., & Weiler, D. A. (2007). Accounting for incomplete detection when estimating site occupancy of Bluenose Shiner (*Pteronotropis welaka*) in southwest Georgia. *Southeastern Naturalist*, 6(4), 657-668.

Boschung, H.T. and Mayden, R.L. (2004). *Fishes of Alabama*. Smithsonian Books.

- Couch, C. A., Hopkins, E. H., & Hardy, P. S. (1996). Influences of environmental settings on aquatic ecosystems in the Apalachicola-Chattahoochee-Flint River Basin. US Department of the Interior, US Geological Survey, 96(4278).
- Fallon, C. E. (2020). Effects of Stream Intermittency on Leuciscid and Percid Food Web Dynamics in the Ichawaynochaway Creek Basin, Southwest Georgia, USA. Master's thesis. University of Georgia. Georgia Biodiversity Portal. Georgia Department of Natural Resources. <https://georgiabiodiversity.org/portal/>
- Kim, D., Taylor, A. T., & Near, T. J. (2022). Phylogenomics and species delimitation of the economically important Black Basses (*Micropterus*). Scientific Reports, 12(1), 9113.
- Marcinek, P. A. (2003). Variation of fish assemblages and species abundances in the upper Flint River shoals, Georgia. Doctoral dissertation. University of Georgia.
- Muller, T. A., & Simons, A. M. (2024). Taxonomic revision of the Pirate Perches, *Aphredoderus*, (Percopsiformes: Aphredoderidae) with descriptions of two new species. Zootaxa, 5415(1), 77-105.
- Smith, K., Carlson, J. K., Horn, C. S., & Shotts, K. M. (2011). Status and population viability of the Alabama shad (*Alosa alabamae*). NOAA Technical Memorandum.
- Smith, L. L., Steen, D. A., Stober, J. M., Freeman, M. C., Golladay, S. W., Conner, L. M., & Cochrane, J. (2006). The vertebrate fauna of Ichauway, Baker County, GA. Southeastern Naturalist, 5(4), 599-620.
- Snelson, F.F., Krabbenhoft, T.J., and Quattro, J.M. (2009). *Elassoma gilberti*, a new species of pygmy sunfish from Florida and Georgia. Florida Museum of Natural History Bulletin, 48(4), 119-144.
- Swift, C. C., Moyer, G. R., Fallon, C. E., & Albanese, B. (2020). Diagnosis and Distribution of Florida Sand Darter, *Ammocrypta bifascia* (Teleostei; Percidae), in the Flint River, Georgia. Southeastern Fishes Council Proceedings, 1(60), 2.
- United States Geological Survey. (2024). Nonindigenous Aquatic Species (NAS) Portal. <https://nas.er.usgs.gov/>
- Warren Jr, M. L. (1992). Variation of the spotted sunfish, *Lepomis punctatus* complex (Centrarchidae): meristics, morphometrics, pigmentation and species limits. Bulletin of the Alabama Museum of Natural History, (12).

Warren Jr, M. L., Burr, B. M., Walsh, S. J., Bart Jr, H. L., Cashner, R. C., Etnier, D. A., ... & Starnes, W. C. (2000).

Diversity, distribution, and conservation status of the native freshwater fishes of the southern United States. *Fisheries*, 25(10), 7-31.

Werneke, D. C., & Armbruster, J. W. (2015). Silversides of the genus *Labidesthes* (Atheriniformes: Atherinopsidae).

Zootaxa, 4032(5), 535-550.