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Checklist of Arkansas Fishes

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ABSTRACT

Arkansas has a large, diverse fish fauna consisting of 193 species known to have been collected from the state's waters. The checklist is an up-to-date listing of both native and introduced species, and is intended to correct some of the longstanding and more recent erroneous Arkansas records.

INTRODUCTION

The fish fauna of Arkansas is large and diverse. The last attempt to list the fishes of the state was that of Black (1940). Many taxonomic and distributional changes have occurred since Black's list appeared, and many additional species have been found in Arkansas. More recently, Buchanan (1973) presented a key to Arkansas fishes with distribution maps. The writer's checklist is an up-to-date listing of the fishes of Arkansas and incorporates several taxonomic additions and changes not included in Buchanan's recent work.

The following checklist contains 193 species of fishes known to have been collected from the state's waters. Both native and introduced species are included. Each introduced form is indicated by an asterisk. This list also is intended to correct some of the longstanding and recent erroneous Arkansas records. The harelip sucker, *Lagochila lacera* Jordan and Brayton, was once present in the White River drainage, but is now extinct and, therefore, is not included in the checklist.

At least three impending taxonomic changes eventually will produce alterations in the checklist; also, additional state records undoubtedly will be discovered in the future, necessitating further revision. With two exceptions, the common and scientific names used are those approved by the American Fisheries Society Committee on Names of Fishes (Bailey et al., 1970). The writer follows Pflieger (1971) in recognizing *Campostoma oligolepis* Hubbs and Greene as a separate species, and Moore (1968), Eddy (1969), and Hubbs (1972) in recognizing *Notropis percobromus* Cope as a separate species. The family designations follow Moore (1968).

CHECKLIST

Family Petromyzontidae (lampreys)

1. *Ichthyomyzon castaneus* Girard chestnut lamprey
2. *Ichthyomyzon gagei* Hubbs and Trautman southern
brook lamprey
3. *Lampetra lamottei* (Lesueur) . . . American brook lamprey

Family Polyodontidae (paddlefishes)

4. *Polyodon spathula* (Walbaum) paddlefish

Family Acipenseridae (sturgeons)

5. *Acipenser fulvescens* Rafinesque lake sturgeon
6. *Scaphirhynchus albus* (Forbes and Richardson) . . . pallid
sturgeon
7. *Scaphirhynchus platyrhynchus* (Rafinesque) . . . shovelnose
sturgeon

Family Amilidae (bowfins)

8. *Amia calva* Linnaeus bowfin

Family Lepisosteidae (gars)

9. *Lepisosteus oculatus* (Winchell) spotted gar
10. *Lepisosteus osseus* (Linnaeus) longnose gar
11. *Lepisosteus platostomus* Rafinesque shortnose gar
12. *Lepisosteus spatula* Lacepede alligator gar

Family Clupeidae (herrings)

13. *Alosa chrysochloris* (Rafinesque) skipjack herring
14. *Dorosoma cepedianum* (Lesueur) gizzard shad
15. *Dorosoma petenense* (Gunther) threadfin shad

Family Salmonidae (trouts)

- *16. *Salmo gairdneri* Richardson rainbow trout
- *17. *Salmo trutta* Linnaeus brown trout

Family Umbridae (mudminnows)

18. *Umbra limi* (Kirtland) central mudminnow

Family Esocidae (pikes)

19. *Esox americanus* Lesueur grass pickerel
- *20. *Esox lucius* Linnaeus northern pike
- *21. *Esox masquinongy* Mitchill muskellunge
22. *Esox niger* Lesueur chain pickerel

Family Hiodontidae (mooneyes)

23. *Hiodon alosoides* (Rafinesque) goldeye
24. *Hiodon tergisus* Lesueur mooneye

Family Cyprinidae (minnows and carps)

25. *Campostoma anomalum* (Rafinesque) stoneroller
26. *Campostoma oligolepis* Hubbs and Greene . . . largescale
stoneroller
- *27. *Carassius auratus* (Linnaeus) goldfish
- *28. *Ctenopharyngodon idellus* Cuvier and Valenciennes
grass carp
- *29. *Cyprinus carpio* Linnaeus carp

30. *Dionda nubilata* (Forbes) Ozark minnow
 31. *Hybognathus hayi* Jordan cypress minnow
 32. *Hybognathus placitus* (Girard) plains minnow
 33. *Hybognathus nuchalis* Agassiz silvery minnow
 34. *Hybopsis aestivalis* (Girard) speckled chub
 35. *Hybopsis amblops* (Rafinesque) bigeye chub
 36. *Hybopsis dissimilis* (Kirtland) streamline chub
 37. *Hybopsis gracilis* (Richardson) flathead chub
 38. *Hybopsis storeriana* (Kirtland) silver chub
 39. *Hybopsis x-punctata* Hubbs and Crowe gravel chub
 40. *Nocomis asper* Lachner and Jenkins redspot chub
 41. *Nocomis biguttatus* (Kirtland) hornyhead chub
 42. *Notemigonus crysoleucas* (Mitchill) golden shiner
 43. *Notropis amnis* Hubbs and Greene pallid shiner
 44. *Notropis atherinoides* Rafinesque emerald shiner
 45. *Notropis bairdi* Hubbs and Ortenburger Red River shiner
 46. *Notropis blennioides* (Girard) river shiner
 47. *Notropis boops* (Girard) bigeye shiner
 48. *Notropis buchanani* Meek ghost shiner
 49. *Notropis camurus* (Jordan and Meek) bluntface shiner
 50. *Notropis chalybaeus* (Cope) ironcolor shiner
 51. *Notropis chrysocephalus* (Rafinesque) striped shiner
 52. *Notropis emiliae* (Hay) pugnose minnow
 53. *Notropis fumeus* Everman ribbon shiner
 54. *Notropis galacturus* (Cope) whitetail shiner
 55. *Notropis girardi* Hubbs and Ortenburger Arkansas River shiner
 56. *Notropis greenei* Hubbs and Ortenburger wedgespot shiner
 57. *Notropis lutrensis* (Baird and Girard) red shiner
 58. *Notropis maculatus* (Hay) taillight shiner
 59. *Notropis ortenburgeri* Hubbs Kiamichi shiner
 60. *Notropis ozarcanus* Meek Ozark shiner
 61. *Notropis percobromus* (Cope) plains shiner
 62. *Notropis percallidus* Hubbs and Black colorless shiner
 63. *Notropis pilsbryi* Fowler dusky stripe shiner
 64. *Notropis rubellus* (Agassiz) rosyface shiner
 65. *Notropis sabiniae* Jordan and Gilbert Sabine shiner
 66. *Notropis shumardi* (Girard) silverband shiner
 67. *Notropis spilopterus* (Cope) spotfin shiner
 68. *Notropis telescopus* (Cope) telescope shiner
 69. *Notropis texanus* (Girard) weed shiner
 70. *Notropis umbratilus* (Girard) redbelly dace
 71. *Notropis venustus* (Girard) blacktail shiner
 72. *Notropis volucellus* (Cope) mimic shiner
 73. *Notropis whipplei* (Girard) steelcolor shiner
 74. *Notropis zonatus* (Putnam) bleeding shiner
 75. *Phenacobius mirabilis* (Girard) suckermouth minnow
 76. *Phoxinus erythrogaster* (Rafinesque) southern redbelly dace
 77. *Pimephales notatus* (Rafinesque) bluntnose minnow
 78. *Pimephales promelas* Rafinesque fathead minnow
 79. *Pimephales tenellus* (Girard) slim minnow
 80. *Pimephales vigilax* (Baird and Girard) bullhead minnow
 81. *Semotilus atromaculatus* (Mitchill) creek chub
- Family Catostomidae (suckers)**
82. *Carpiodes carpio* (Rafinesque) river carpsucker
 83. *Carpiodes cyprinus* (Lesueur) quillback
 84. *Carpiodes velifer* (Rafinesque) highfin carpsucker
 85. *Catostomus commersoni* (Lacepede) white sucker
 86. *Cycleptus elongatus* (Lesueur) blue sucker
 87. *Erimyzon oblongus* (Mitchill) creek chubsucker
 88. *Erimyzon sucetta* (Lacepede) lake chubsucker
89. *Hypentelium nigricans* (Lesueur) northern hog sucker
 90. *Ictiobus bubalus* (Rafinesque) smallmouth buffalo
 91. *Ictiobus cyprinellus* (Valenciennes) bigmouth buffalo
 92. *Ictiobus niger* (Rafinesque) black buffalo
 93. *Minytrema melanops* (Rafinesque) spotted sucker
 94. *Moxostoma anisurum* (Rafinesque) silver redborse
 95. *Moxostoma carinatum* (Cope) river redborse
 96. *Moxostoma duquesnei* (Lesueur) black redborse
 97. *Moxostoma erythrurum* (Rafinesque) golden redborse
 98. *Moxostoma macrolepidotum* (Lesueur) shorthead redborse
 99. *Moxostoma poecilurum* (Jordan) blacktail redborse
- Family Anguillidae (freshwater eels)**
100. *Anguilla rostrata* (Lesueur) American eel
- Family Ictaluridae (freshwater catfishes)**
- *101. *Ictalurus catus* (Linnaeus) white catfish
 102. *Ictalurus furcatus* (Lesueur) blue catfish
 103. *Ictalurus melas* (Rafinesque) black bullhead
 104. *Ictalurus natalis* (Lesueur) yellow bullhead
 105. *Ictalurus nebulosus* (Lesueur) brown bullhead
 106. *Ictalurus punctatus* (Rafinesque) channel catfish
 107. *Noturus albatro* Taylor Ozark madtom
 108. *Noturus eleutherus* Jordan mountain madtom
 109. *Noturus exilis* Nelson slender madtom
 110. *Noturus flavater* Taylor checkered madtom
 111. *Noturus flavus* Rafinesque stonecat
 112. *Noturus gyrinus* (Mitchill) tadpole madtom
 113. *Noturus lachneri* Taylor Ouachita madtom
 114. *Noturus miurus* Jordan brindled madtom
 115. *Noturus nocturnus* Jordan and Gilbert freckled madtom
 116. *Noturus phaeus* Taylor brown madtom
 117. *Noturus taylori* Douglas Caddo madtom
 118. *Pylodictis olivaris* (Rafinesque) flathead catfish
- Family Cyprinodontidae (killifishes)**
119. *Fundulus catenatus* (Storer) northern studfish
 120. *Fundulus chrysotus* (Günther) golden topminnow
 121. *Fundulus notatus* (Rafinesque) blackstripe topminnow
 122. *Fundulus notti* (Agassiz) starhead topminnow
 123. *Fundulus olivaceus* (Storer) blackspotted topminnow
- Family Poeciliidae (livebearers)**
124. *Gambusia affinis* (Baird and Girard) mosquitofish
- Family Amblyopsidae (cavefishes)**
125. *Amblyopsis rosae* (Eigenmann) Ozark cavefish
 126. *Typhlichthys subterraneus* Girard southern cavefish
- Family Aphredoderidae (pirate perches)**
127. *Aphredoderus sayanus* (Gilliams) pirate perch
- Family Atherinidae (silversides)**
128. *Labidesthes sicculus* (Cope) brook silverside
 129. *Menidia audens* Hay Mississippi silverside

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Family **Percichthyidae** (temperate basses)

130. *Morone chrysops* (Rafinesque) white bass
 131. *Morone mississippiensis* Jordan and Eigenmann . yellow
 bass
 *132. *Morone saxatilis* (Walbaum) striped bass

Family **Centrarchidae** (sunfishes)

133. *Ambloplites rupestris* (Rafinesque) rock bass
 134. *Centrarchus macropterus* (Lacepede) flier
 *135. *Lepomis auritus* (Linnaeus) redbreast sunfish
 136. *Lepomis cyanellus* Rafinesque green sunfish
 137. *Lepomis gulosus* (Cuvier) warmouth
 138. *Lepomis humilis* (Girard) orangespotted sunfish
 139. *Lepomis macrochirus* Rafinesque bluegill
 140. *Lepomis marginatus* (Holbrook) dollar sunfish
 141. *Lepomis megalotis* (Rafinesque) longear sunfish
 142. *Lepomis microlophus* (Gunther) reardear sunfish
 143. *Lepomis punctatus* (Valenciennes) spotted sunfish
 144. *Lepomis symmetricus* Forbes bantam sunfish
 *145. *Micropterus coosae* Hubbs and Bailey redeye bass
 146. *Micropterus dolomieu* Lacepede smallmouth bass
 147. *Micropterus punctulatus* (Rafinesque) spotted bass
 148. *Micropterus salmoides* (Lacepede) largemouth bass
 149. *Pomoxis annularis* Rafinesque white crappie
 150. *Pomoxis nigromaculatus* (Lesueur) black crappie

Family **Elassomatidae** (pygmy sunfishes)

151. *Elassoma zonatum* Jordan banded pygmy sunfish

Family **Percidae** (perches)

152. *Ammocrypta asprella* (Jordan) crystal darter
 153. *Ammocrypta clara* Jordan and Meek western sand
 darter
 154. *Ammocrypta vivax* Hay scaly sand darter
 155. *Etheostoma asprigene* (Forbes) mud darter
 156. *Etheostoma blennioides* Rafinesque greenside darter
 157. *Etheostoma caeruleum* Storer rainbow darter
 158. *Etheostoma chlorosomum* (Hay) bluntnose darter
 159. *Etheostoma collettei* Birdsong and Knapp creole darter
 160. *Etheostoma euzonum* (Hubbs and Black) Arkansas
 saddled darter
 161. *Etheostoma flabellare* Rafinesque fantail darter
 162. *Etheostoma fusiforme* (Girard) swamp darter
 163. *Etheostoma gracile* (Girard) slough darter
 164. *Etheostoma hystrio* Jordan and Gilbert harlequin darter
 165. *Etheostoma juliae* Meek yoke darter
 166. *Etheostoma microperca* Jordan and Gilbert least darter
 167. *Etheostoma moorei* Raney and Suttkus yellowcheek
 darter
 168. *Etheostoma nigrum* Rafinesque johnny darter
 169. *Etheostoma pallidorsum* Distler and Metcalf
 paleback darter
 170. *Etheostoma parvipinne* Gilbert and Swain goldstripe
 darter
 171. *Etheostoma proeliare* (Hay) cypress darter
 172. *Etheostoma punctulatum* (Agassiz) stippled darter
 173. *Etheostoma radiosum* (Hubbs and Black) orangebelly
 darter
 174. *Etheostoma spectabile* (Agassiz) orangethroat darter
 175. *Etheostoma stigmaeum* (Jordan) speckled darter
 176. *Etheostoma whipplei* (Girard) redfin darter
 177. *Etheostoma zonale* (Cope) banded darter
 178. *Percina caprodes* (Rafinesque) logperch
 179. *Percina copelandi* (Jordan) channel darter

180. *Percina evides* (Jordan and Copeland) gilt darter
 181. *Percina maculata* (Girard) blackside darter
 182. *Percina nasuta* (Bailey) longnose darter
 183. *Percina pantherina* (Moore and Reeves) leopard darter
 184. *Percina phoxocephala* (Nelson) slenderhead darter
 185. *Percina sciera* (Swain) dusky darter
 186. *Percina shumardi* (Girard) river darter
 187. *Percina uranidea* (Jordan and Gilbert) stargazing darter
 188. *Stizostedion canadense* (Smith) sauger
 189. *Stizostedion vitreum* (Mitchill) walleye

Family **Sciaenidae** (drums)

190. *Aplodinotus grunniens* Rafinesque freshwater drum

Family **Cottidae** (sculpins)

191. *Cottus bairdi* Girard mottled sculpin
 192. *Cottus caroliniae* (Gill) banded sculpin

Family **Mugilidae** (mullet)

193. *Mugil cephalus* Linnaeus striped mullet

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