

A LIST OF THE FISHES IN NORTHEASTERN KENTUCKY

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In 1937 a stream survey program was started in Kentucky by the Division of Game and Fish. This program marked the beginning of the study of Kentucky fishes by a section of the state government.

During the last four years, the writer has made collections from every part of the drainages of those streams which empty into the Ohio River in northeastern Kentucky. The section includes the Big Sandy, Little Sandy and Licking Rivers; Tygart and Kinniconick Creeks. A number of the fishes collected are new for the basins and several are new for the state.

The Big Sandy River is the only stream which is not entirely within the state. Levisa and Tug Fork, source streams of the Big Sandy, rise in southwestern Virginia. Tug Fork and Big Sandy form the boundary line between Kentucky and West Virginia.

With the exception of the South Fork of Licking where the countryside may be described as rolling, northeastern Kentucky is mountainous. The bottom of the various streams is composed largely of sandstone, sand and occasionally limestone or mud.

Apparently the first man to collect and study fishes in Kentucky was Constantine Rafinesque who began in 1818 and continued until 1825. It was not until 1876 that the fishes of the region again received attention. At that time David Starr Jordan began making collecting trips through Kentucky and states nearby. In 1878 Jordan led a party of students on a walking trip through much of eastern Kentucky. These students were Evermann, Brayton and Gilbert. The Big Sandy, Little Sandy and Licking Rivers were visited by Gilbert and Henshall in 1888 and collections were made. Woolman and Chambers seined specimens from the Licking in 1890. In 1892 Woolman again returned to Kentucky and collected from the Little Sandy, Big Sandy and Licking Rivers. The findings of the above men were published by Woolman in 1892.

For the five years preceeding 1938, Welter and his students made collections of fishes in Licking and its tributaries near Morehead. His results were published in 1938. Collections by the writer were made from Levisa Fork of the Big Sandy in 1937; Tug Fork of the Big Sandy, Big Sandy, Tygart and Kinniconick in 1938; and Little Sandy and Licking Rivers in 1939-1940.

In the following list, species taken by an earlier collector are given, followed by the locality where collected, and the collector's name in parentheses.

All other records were made by the writer. Because of the many stations at which collections were made, the exact locality for each species is not stated. For example: when a species was found to occur at nearly every station on the tributaries of the upper section of

Licking, the entry is, "the upper tributaries of Licking". When a species was found at only a few stations, and the stations were on creeks and branches, the name of the main stream follows the locality in parentheses.

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1. Ichthyomyzon bdellium (Jordan): Ohio lamprey - Licking near Farmers (Welter). Triplet Creek near mouth (Licking).
2. Lampetra aepyptera (Abbott): Ohio brook lamprey - Licking near Farmers, in Triplet at Morehead, Yocum near mouth, and in Slate near Owingsville (Welter). Triplet Creek near Triplet Kentucky (Licking). Kinniconick near Kinniconick, Kentucky.
3. Scaphirhynchus platyrhynchus (Rafinesque): hackleback - In former years a common species in Big Sandy and Licking. Not of this collection.
4. Lepisosteus osseus oxyurus. Rafinesque: northern longnose gar. Licking and Slate Creek (Rafinesque): Licking near Farmers, Triplet, and Slate (Welter). Generally distributed in Big Sandy, Little Sandy, Tygart, Kinniconick and Licking.
5. Hiodon tergisus LeSueur: mooneye - Licking and Triplet near Farmers (Welter). Rarely taken at present.
6. Amphiodon alosoides. Rafinesque: goldeye - Blaine Creek at Fallsburg (Big Sandy).
7. Pomolobus chrysochloris Rafinesque: skipjack - Little Sandy near mouth (Gilbert and Henshall; Woolman). It has not been taken for a number of years.
8. Dorosoma cepedianum (LeSueur): gizzard shad - Near mouth of Big Sandy and Little Sandy (Gilbert, Henshall; Woolman). Licking near Farmers and Triplet (Welter). Common in upper section of Big Sandy and Licking, central section of Tygart and Kinniconick. Little Sandy near mouth.
9. Megastomatobus cyprinella (Valenciennes): bigmouth buffalo - Licking at Farmers (Welter). Taken in spring from Big Sandy and Licking.
10. Ictiobus bubalus (Rafinesque): smallmouth buffalo fish - Big Sandy near Elkhorn City and Middle Creek near Prestonsburg.
11. Cycleptus elongatus (LeSueur): blue sucker - Licking at Butler, Kentucky.
12. Carpiodes cyprinus (LeSueur): quillback - Levisa Fork near Pikeville, John's Creek near Zebulon, and Little Sandy (Woolman). Licking at Farmers (Welter).
13. Carpiodes carpio carpio (Rafinesque): carpsucker - Licking at Farmers (Welter) Licking at Sherburne and at Butler.

14. Carpiodes velifer (Rafinesque): highfin sucker - Big Sandy near mouth (Woolman). Licking near Wyoming.
15. Catostomus commersonnii commersonnii (Lacepede): eastern white sucker - Licking and Triplet at Farmers; Stoner near Winchester; Slate near Owingsville (Welter). Very common in Big Sandy, Little Sandy, Tygart, and Kinniconick. Well distributed in Licking but not abundant.
16. Hypentelium nigricans (LeSueur): hog sucker - Upper section of Levisa Fork, Blaine Creek and Triplet (Woolman). Central section of Licking (Welter). Taken in every collection made in Big Sandy, Little Sandy, Tygart, Kinniconick and Licking.
17. Erimyzon oblongus claviformis (Girard): western creek chubsucker - Licking at Farmers. Specimens were destroyed and it is assumed that this was the species (Welter).
18. Minytrema melanops (Rafinesque): spotted sucker - Fleming and Licking near Farmers (Welter). Licking near Salyersville; Hinkston at Millersburg (Licking). Not common.
19. Moxostoma duguesnii duguesnii (LeSueur): black redhorse - Taken in Levisa Fork near Pikeville; East Fork of Little Sandy at mouth; North Fork of Triplet near Morehead.
20. Moxostoma erythrurum (Rafinesque): golden redhorse - Upper section of Levisa Fork of Big Sandy; Licking near Farmers; Little Sandy River (Woolman). Licking near Farmers (Welter). Very common in upper section of Big Sandy, in Little Sandy, in Tygart, in Kinniconick and in Licking.
21. Moxostoma anisurum (Rafinesque); silver redhorse - Little Sandy (Gilbert and Henshall; Woolman). Slate Creek at Owingsville (Welter). Levisa Fork near Pikeville, Lower North Fork of Licking near Foxport.
22. Moxostoma breviceps (Cope): shorthead redhorse - Little Sandy (Gilbert and Henshall; Woolman). Hinkston Creek at Millersburg (Licking).
23. Nocomis micropogon (Cope): river chub - Right Fork of Beaver Creek, Robinson Creek at Robinson, Levisa Fork near Pikeville, John and Coon Creeks near Zebulon, and Licking River and Triplet Creek near Farmers (Woolman). Russell Fork near Elkhorn City, middle and upper sections of Johns Creek, Paint Creek near mouth (Big Sandy). Common in Kinniconick. Buffalo Creek of Tygart near Carter City. Upper section of Little Sandy and Tributaries, central section of Licking, and North Fork of Triplet at Logan Branch.
24. Hybopsis storerianus (Kirtland): silver chub - Little Sandy River (Gilbert and Henshall; Woolman). Tygart Creek near mouth. Fox Creek at mouth, and in Licking from Farmers to Butler, Kentucky.
25. Hybopsis amblops amblops (Rafinesque): northern bigeye chub - Right Fork of Beaver Creek at Lackey, Robinson and Island Creeks, John's Creek near Zebulon and Triplet Creek

near Farmers (Woolman). Yocum and Christy; North Fork of Triplet (Welter). Levisa at Fish-trap, and Raccoon Creek at Zebulon. Big Creek near mouth, Wolf Creek near Lovely, and Knox Creek in lower section (Tug Fork of Big Sandy). Blaine Creek near Fallsburg (Big Sandy). Upper tributaries of Little Sandy, Tygart, and Kinniconick. Common in entire Licking drainage.

26. Erimystax watauga (Jordan and Evermann): streamlined chub - Levisa Fork of Big Sandy at Nigh, Pike County.

27. Extrarius aestivalis hyostomus (Gilbert): Ohio speckled dace - Licking, and Triplet (Woolman). Licking at U. S. 60 Bridge (Welter). Levisa at mouth of Big Creek, Johns Creek near Lawson's school (Big Sandy). Upper section of Tygart Creek. Found everywhere in Licking.

28. Rhinichthys atratulus obtusus Agassiz: mountain blacknose dace - Levisa Fork above Pikeville; Tug Fork above Williamson (Big Sandy). Upper section of Triplet near Morehead, and Slate Creek near mouth (Licking).

29. Semotilus atromaculatus atromaculatus (Mitchill): northern creek chub - Blaine Creek near Catalpa (Woolman). Upper North Fork of Licking, Cow, Slate and Fleming (Welter). Present in almost every collection from Big Sandy, Little Sandy, Tygart, Kinniconick. Although well distributed in Licking, the species is not abundant.

30. Chrosomus erythrogaster Rafinesque -- Semotilus atromaculatus atromaculatus (Mitchill). A specimen of this hybrid found in Licking River at Salyersville is now in the University of Michigan, Museum of Zoology.

31. Clinostomus vandoisulus (Valenciennes): rosieside dace - Upper section of Johns Creek of Levisa Fork, Levisa near Pikeville; in the mouth of Three Prong Fork of Tygart; upper section of Kinniconick; upper section of Little Sandy near Sandy Hook.

32. Clinostomus elongatus (Kirtland): redside dace - Lick Fork of Upper north Fork of Licking. Rowan County. This is a new species record for Kentucky.

33. Chrosomus erythrogaster Rafinesque: southern redbelly dace - Fox Creek of Licking at bridge on Ky. 32 (Welter). Three Mile Creek of Levisa Fork. Lower North Fork of Licking near Mt. Carmel, and Slate Creek near mouth (Licking). Common in Kinniconick and Lower section of Tygart.

34. Notropis ardens lythrurus Jordan: Ohio rosefin shiner - Lower section of Big Sinking and Oldtown Creek near mouth (Little Sandy). Licking at Sherburne and at Iles Mill, Slate at Owingsville, Fox Creek at Ringo's Mill. Laurel Creek near mouth and Kinniconick at Kinniconick, Kentucky. Tygart Creek at Cave Branch, at Buffalo Creek and at mouth.

35. Notropis umbratilis umbratilis (Girard): southern redbfin shiner - Blaine Creek near Fallsburg (Big Sandy). Kinniconick at Laurel Creek; North Fork of Licking at Foxpart and Taylor's Mill, Stone Lick near mouth, Stoner at U. S. 60 Bridge, and Hinkston near Millersburg (Licking). Tributaries of Little Sandy in Elliott County.
36. Notropis umbratilis cyanocephalus (Copeland): northern redbfin shiner - Slate at U. S. 60, and Fleming near Tipton (Welter). Mill Creek of Slate near mouth (Licking).
37. Notropis atherinoides dilectus (Girard): southern emerald shiner - Levisa Fork near Pikeville, Johns Creek near Zebulon, Blaine Creek near Catalpa, and mouth of Big Sandy (Gilbert and Henshall; Woolman). Licking at West Liberty (Welter). Johns Creek near Zebulon, Levisa at Mouthcard, and Shelby Creek near mouth (Big Sandy). Lower section of Fox, Slate, Fleming and Lower North Fork of Licking. Licking at Blue Licks, at Battle Run, and at Muscle Shoals.
38. Notropis photogenis (Cope): silver shiner - All stations of Licking (Welter). Common in upper tributaries of Big Sandy, well distributed in Kinniconick and in Tygart, common in upper section of Little Sandy and its tributaries, and in central and lower section of Licking and its tributaries.
39. Notropis rubellus (Agassiz): rosyface shiner - Beaver Creek at Lackey, Shelby Creek and Levisa Fork near Pikeville, Johns Creek near Zebulon, Blaine Creek near Catalpa, and mouth of Big Sandy as dilectus (Gilbert and Henshall). Triplet as dilectus (Woolman). Common in creeks near Morehead (Welter).
40. Notropis ariommus ariommus (Cope) - Levisa Fork near Pikeville (Woolman). Not of this collection. The record needs confirmation.
41. Notropis coccogenis (Cope): war-paint shiner - Robinson Creek near Robinson, Kentucky (Woolman). This record needs confirmation as coccogenis is a species of the Tennessee upland fauna.
42. Notropis cornutus chrysocephalus (Rafinesque): central common shiner - Licking and Triplet (Woolman). Common throughout Licking drainage (Welter). Common at all stations from Big Sandy, Little Sandy, Tygart, Kinniconick and Licking.
43. Notropis blennius (Girard): river shiner - Mouth of Big Sandy and Little Sandy Rivers (Gilbert and Henshall; Woolman). Licking River at mouth of Cruises Creek.
44. Notropis boops Gilbert: bigeye shiner - Yocum and North Fork of Triplet (Welter). Upper section of Kinniconick. North Fork of Triplet at Triplet and Stoner Creek at mouth (Licking).
45. Notropis spilopterus (Cope): spotfin shiner - Triplet near Morehead, Slate near Owingsville, Licking at West Liberty and Fleming near Tipton (Welter). Taken from most every sta-

tion where N. whipplii was found; however, N. spilopterus seems to occur in greater numbers in the upper sections of the various drainages.

46. Notropis whipplii (Girard): steelcolor shiner - Upper section of Levisa Fork of Big Sandy, Little Sandy near its mouth, and Licking and Triplet near Farmers (Gilbert and Henshall; Woolman). Fleming and Slate Creeks, and Licking at West Liberty (Welter). Common in most all tributaries of Big Sandy and Licking Rivers. Little Sandy near Sandy Hook; well distributed in Tygart and in Kinniconick.

47. Notropis deliciosus stramineus (Cope): northern sand shiner - Beaver Creek near Lackey, Island Creek and Levisa Fork near Pikeville, Johns and Raccoon near Zebulon, Triplet and Little Sandy (Gilbert and Henshall; Woolman). East Fork near Sherburne (Welter). Beaver Creek near Lackey, Blackberry Creek near mouth, and lower sections of Wolf, Knox, Big and Blaine Creeks (Big Sandy). Common in the upper tributaries of Little Sandy, in Tygart, and in Kinniconick. Taken from the central and lower tributaries of Licking.

48. Notropis volucellus volucellus (Cope): mimic shiner - Levisa Fork near Pikeville, Blaine Creek near Fallsburg and Wolf Creek near mouth. Little Sandy and its tributaries in Elliott County, Licking at Blue Licks and Upper North Fork of Licking near mouth.

49. Notropis volucellus buchanani Meek: ghost mimic shiner - East Fork at Sherburne and Fox at U. S. 32 Bridge (Welter). Licking at Blue Licks, at Claysville and at Sherburne.

50. Ericymba buccata Cope: silverjaw minnow - Right Fork of Beaver, Shelby Creek, Levisa Fork near Pikeville, Johns Creek near Zebulon, Blaine Creek near Catalpa, Licking River and Triplet near Farmers and Little Sandy (Gilbert and Henshall; Woolman). Yocum and North Fork of Triplet Creeks (Welter). Well distributed throughout all the tributaries of Big Sandy, Little Sandy, Tygart, Kinniconick and Licking. A very common species everywhere in northeastern Kentucky.

51. Phenacobius mirabilis (Girard): suckermouth minnow - Cow Creek at U. S. 60 Bridge and East Fork near Sherburne (Welter). Common throughout all of the Licking drainage.

52. Hybognathus nuchalis agassiz: silver minnow - Mouth of Big Sandy (Gilbert and Henshall). Little Sandy River (Gilbert and Henshall; Woolman). Not of this collection.

53. Ceratichthys taurocephalus (Hay): bullhead minnow - Tygart Creek near mouth and Little Sandy near Green, Kentucky. Fleming Creek at Ky. 11 Bridge, Fox Creek at Ringo's Mill, Licking at Sherburne and at Butler (Licking).

54. Pimephales promelas promelas Rafinesque: northern fathead - Licking and Triplet near Farmers and from East Fork near Sherburne (Welter). Fox Creek at Ky. 32 Bridge, Slate Creek at Howard's Mill, Lower North Fork of Licking at Foxport and mouth of Well Creek, Fleming Creek near Flemingsburg, Stoner Creek at mouth and U. S. 60 Bridge, and Hinkston Creek at

Millersburg.

55. Hyborhynchus notatus (Rafinesque): bluntnose minnow - Beaver Creek, Shelby Creek, Blaine Creek, Levisa Fork at Pikeville, Johns Creek, Licking River and Triplet Creek, and Little Sandy River (Gilbert and Henshall; Woolman). Tributaries of Licking near Morehead (Welter). A well distributed species in the drainage systems of Big Sandy, Little Sandy, Tygart, Kinniconick, and Licking.
56. Campostoma anomalum anomalum (Rafinesque): Ohio Stoneroller - Beaver, Shelby and Island Creeks; Levisa Fork near Pikeville, Johns Creek and Licking and Triplet Creek near Farmers (Woolman). Triplet, Yocum, Licking and Fleming (Welter). Taken from all stations on tributaries of Big Sandy, Tygart, Kinniconick and Licking. Well distributed in the main streams but not common.
57. Ictalurus lacustris punctatus (Rafinesque): southern channel catfish - Triplet Creek near Farmers and Little Sandy River (Woolman). Common in Licking (Welter). Well distributed in Big Sandy, Little Sandy, lower sections of Kinniconick and Tygart Creeks and in Licking.
58. Ictalurus furcatus (Valenciennes): blue catfish - Licking at Farmers (Welter). Common in Big Sandy, Little Sandy and Licking Rivers. The species is taken occasionally in lower sections of Tygart and Kinniconick.
59. Ameiurus melas melas (Rafinesque): northern black bullhead - Triplet near Clearfield (Welter). Paint Creek at Paintsville, Mud Creek at mouth, Levisa Fork near Pikeville, Big Creek near mouth and Blaine Creek at Fallsburg (Big Sandy). Tygart Creek at Red Hot; common in the Lower North Fork of Licking, Stoner Creek, Fox Creek and South Fork of Licking.
60. Ameiurus nebulosus nebulosus (LeSueur): northern brown bullhead - Common in Triplet, Fleming, and Licking (Welter). Taken in Kinniconick and in Tygart Creeks. Well distributed over the Licking drainage system.
61. Ameiurus natalis natalis (LeSueur): northern yellow bullhead - Fleming near Tipton and Licking at Farmers (Welter). Central section of Mudlick Creek, Mud Creek at mouth and Big Creek near mouth. North Fork of Triplet near Logan Branch and at Foxport. Licking at Battle Run and at Claysville.
62. Pilodictis olivaris (Rafinesque): mud-cat - Levisa Fork of Big Sandy at Mouthcard. Reported from lower Licking but no specimens were obtained there.
63. Noturus flavus Rafinesque: stone cat - Triplet near Farmers (Woolman). Licking at Farmers (Welter). Well distributed in Licking and its larger tributaries.
64. Schilbeodes nocturnus (Jordan and Gilbert): freckled madtom - Laurel Creek near its mouth (Little Sandy River, Elliott County).

65. Schilbeodes miurus (Jordan): brindled madtom - Blaine Creek near Catalpa and Little Sandy near its mouth (Woolman). Common in Licking (Welter). Paint Creek at Paintsville (Big Sandy). Tygart Creek at Red Hot and Kinniconick, Kentucky. Very common throughout the Licking and Little Sandy drainages.
66. Esox vermiculatus LeSueur: mud pickerel - Triplet at Farmers (Woolman). Triplet at Morehead, Licking at U. S. 60 Bridge, Fox at Kentucky 32 (Welter). Kinniconick Creek at Kinniconick and at mouth of Laurel Creek (Kinniconick). Tygart Creek at Red Hot. Common in Triplet (Licking).
67. Esox masquinongy ohioensis Kirtland: Ohio muskellunge - Triplet Creek (Welter). Common in Kinniconick and Tygart Creeks. Triplet and Beaver Creeks (Licking).
68. Anguilla bostoniensis (LeSueur): American eel - Licking River (Rafinesque). Big Sandy near Elkhorn City. Reported from Little Sandy, Tygart, Kinniconick and Licking.
69. Fundulus notatus notatus (Rafinesque): northern blackbanded topminnow - Triplet and Fox Creeks (Welter). Slate at Owingsville, Lower North Fork of Licking at Foxport and Fox Creek at Ringo's Mill (Licking).
70. Percopsis omiscomaycus (Walbaum): troutperch - Triplet at Ky. 32 (Welter). Whiteoak Creek near mouth (Tygart). East Fork of Little Sandy at mouth, Middle Fork at Rocky Branch. Little Sandy at Green, and Ruin Creek near Sandy Hook (Little Sandy) Slate Creek near mouth (Licking).
71. Morone interrupta Gill: yellow bass - Knox Creek near its junction with Tug Fork of the Big Sandy. A rare form in this section.
72. Stizostedion canadense (Smith): sauger - Big Sandy and Little Sandy near its mouth (Gilbert and Henshall; Woolman). Not of this collection. Reported from Little Sandy at Pactolus by fishermen.
73. Stizostedion vitreum vitreum (Mitchell): yellow pikeperch - Levisa Fork near Pikeville, and Little Sandy near its mouth (Gilbert and Henshall; Woolman). Licking River (Rafinesque). Levisa at Fishtrap, Little Sandy at Pactolus and Licking near West Liberty.
74. Imostoma shumardi (Girard): channel darter - Licking River near Farmers, Iles Mill, Blue Licks and Battle Run, Kentucky.
75. Hadropterus scierus scierus (Swain): northern dusky darter - Little Sandy near its mouth (Gilbert and Henshall; Woolman). Johns Creek near its mouth (Big Sandy). East Fork of Little Sandy near its mouth, Little Sandy near Sandy Hook, Caney Creek near its forks and Oldtown Creek at Oldtown (Little Sandy).
76. Hadropterus maculatus (Girard): blacksided darter - Streams near Morehead (Welter). Very common in all sections of Big Sandy, Little Sandy, Tygart, Kinniconick and Licking.

77. Hadropterus macrocephalus (Cope): longhead darter - Levisa Fork near Pikeville (Woolman). Kinniconick Creek at mouth of Laurel Creek.
78. Hadropterus phoxocephalus (Nelson): slenderhead darter - Levisa Fork near Pikeville (Woolman). Very common everywhere in the channel of Licking River.
79. Hadropterus evides (Jordan and Copeland): gilded darter - Johns Creek at Meta (Big Sandy). Common in the channel of Licking River in the central section.
80. Percina caprodes caprodes (Rafinesque): Ohio logperch - Licking (Rafinesque). Triplet at Morehead, Slate at U. S. 60 Bridge, Fleming near Tipton (Welter). Upper section of Big Sandy, and Tygart and Kinniconick Creek. Very common throughout Licking drainage.
81. Cottogaster copelandi (Jordan): river darter - One specimen from Licking at West Liberty (Welter). Johns Creek near Meta (Big Sandy). Very common in the main channel of Licking in the central and upper sections.
82. Ammocrypta pellucida (Baird): northern sand darter - Levisa Fork near Pikeville, Blaine Creek at Catalpa, and Little Sandy near its mouth (Gilbert and Henshall; Woolman). Licking at Farmers, at Paragon, and at West Liberty (Welter). Levisa Fork at Mouthcard, Russell Fork at Elkhorn City, Johns Creek near mouth, and Wolf Creek near Lovely (Big Sandy). Found everywhere in the central and upper section of the Licking River Basin.
83. Ammocrypta clara (Jordan and Meek): western sand darter - Wolfe Creek near Lovely, Kentucky. (Big Sandy). This species has usually been regarded as a western sub-species.
84. Boleosoma nigrum nigrum (Rafinesque): northern Johnny darter - Shelby Creek near Robinson, Licking and Triplet near Farmers, and Little Sandy near its mouth (Gilbert and Henshall; Woolman). Streams of Licking near Morehead (Welter). Very common in the systems of the Big Sandy, Little Sandy, Tygart, Kinniconick, and Licking.
85. Poecilichthys maculatus (Kirtland): spotted darter - South Fork of Licking at Cynthia (Henshall). Not of this collection.
86. Poecilichthys zonalis zonalis Cope: eastern banded darter - Beaver Creek near Lackey, Shelby Creek near Robinson, Levisa Fork near Pikeville, Johns Creek near Zebulon, Licking and Triplet near Farmers, and Little Sandy near its mouth (Gilbert and Henshall; Woolman). Common at all stations of Licking (Welter). A very common darter everywhere in the Big Sandy, Little Sandy, Tygart, Kinniconick and Licking.
87. Poecilichthys variatus (Kirtland): variegated darter - Triplet Creek (Woolman). Levisa Fork of Big Sandy at Mouthcard, very common in Tygart and in Kinniconick Creeks, and well distributed in the central and upper section of Licking River.
88. Poecilichthys tippecanoe (Jordan and Evermann): Tippecanoe darter - Licking River at Wyoming and at Johnson Ford. A new Kentucky record.

89. Poecilichthys caeruleus caeruleus (Storer): northern rainbow darter - Tributaries of Big Sandy near Pikeville, and Triplet at Farmers (Woolman). Licking at Cynthiana (Henshall). Tributaries of Licking near Morehead (Welter). A common form of the Big Sandy, Little Sandy, Tygart, and Kinniconick. Although well distributed in Licking, the species is not very common.
90. Poecilichthys spectabilis spectabilis Agassiz: orange throat darter. Well distributed in Kinniconick, Tygart and Licking. Little Sandy at mouth of Big Caney Creek. Johns Creek at Meta (Big Sandy).
91. Catnatus flabellaris flabellaris (Rafinesque): banded fantail - Tributaries of Big Sandy near Pikeville, and Licking and Triplet near Farmers (Woolman). Licking at Cynthiana (Henshall). The creeks of Licking near Morehead (Welter). A species which occurred at most every station of the Big Sandy, Little Sandy, Tygart, Kinniconick and Licking.
92. Etheostoma blennioides newmanii (Agassiz): Tennessee greenside darter - Levisa Fork near Pikeville as E. blennioides (Henshall; Woolman). Well distributed throughout the drainage of Big Sandy River.
93. Etheostoma blennioides blennioides Rafinesque: northern greensided darter. South Fork of Licking at Cynthiana (Henshall; Woolman). Licking at Farmers and Triplet (Welter). Common throughout the drainages of Little Sandy, Kinniconick, Tygart and Licking.
94. Micropterus punctulatus punctulatus (Rafinesque): northern spotted bass - Common in Triplet and Licking at Farmers (Welter). A common well distributed species in the streams of northeastern Kentucky, where it seems to be much more abundant than Huro salmoides.
95. Micropterus dolomieu dolomieu Lacepedes: northern smallmouth bass - Tributaries of Big Sandy near Pikeville, Little Sandy near its mouth, and Triplet Creek near Farmers (Gilbert and Henshall; Woolman). Plentiful in streams near Morehead (Welter). Common in all streams.
96. Huro salmoides (Lacepede): largemouth bass - Tributaries of Big Sandy near Pikeville, Triplet near Farmers, and Little Sandy near its mouth (Gilbert and Henshall; Woolman). Tributaries of Licking near Morehead (Welter). A species found everywhere in Big Sandy, Little Sandy, Tygart, Kinniconick and Licking.
97. Chaenobryttus gulosus (Cuvier): Warmouth - Stoner Creek at mouth (Licking River)
98. Lepomis cyanellus Rafinesque: green sunfish - Blaine Creek near Catalpa and Triplet Creek near Farmers (Jordan; Woolman). Tributaries of Licking near Morehead (Welter). Found everywhere in the streams of this section.
99. Lepomis humilis (Girard): orange-spotted sunfish - Stoner Creek near mouth (Licking River).
100. Lepomis megalotis megalotis (Rafinesque): central longear sunfish - Licking and Sandy Rivers (Rafinesque). Tributaries of Big Sandy near Pikeville, Little Sandy near its mouth

- and Triplet at Farmers (Gilbert and Henshall; Woolman). Common in streams near Morehead (Welter). An abundant species everywhere in this section.
101. Lepomis macrochirus macrochirus Rafinesque: northern bluegill - Licking (Rafinesque). Tributaries of Big Sandy near Pikeville, and Little Sandy (Gilbert and Henshall; Woolman). Licking and Triplet near Farmers and Lewis Pond (Welter). Johns Creek near Meta, and Blaine Creek at Fallsburg (Big Sandy). Common in Kinniconick, Licking, Little Sandy and Tygart.
102. Lepomis microlophus (Gunther): redear sunfish - South Fork of Licking at Robinson Dam.
103. Ambloplites rupestris rupestris (Rafinesque): northern rock bass - Blaine Creek near Catalpa, and Little Sandy near its mouth (Gilbert and Henshall; Woolman). Common in the larger tributaries of Big Sandy and Licking, in Kinniconick, Tygart and Little Sandy.
104. Pomoxis annularis Rafinesque; white crappie - Little Sandy near its mouth (Gilbert and Henshall). Licking and Triplet near Farmers, and Slate near Owingsville (Welter). Big Sandy at Louisa, Kinniconick near its mouth, Tygart and Little Sandy, Lower North Fork of Licking and South Fork of Licking.
105. Labidesthes sicculus sicculus (Cope): northern brook silverside - Robinson Creek, Levisa Fork near Pikeville, Triplet Creek near Farmers, and Little Sandy River (Gilbert and Henshall; Woolman). Streams near Morehead (Welter). Kinniconick Creek at Kinniconick, upper section of Big Sandy, and well distributed throughout Licking River Drainage.
106. Aplodinotus grunniens Rafinesque: freshwater sheepshead - North Fork of Triplet; Licking at West Liberty and at Farmers (Welter). A common species in Licking and its larger tributaries.
107. Cottus bairdii bairdii Girard: northern muddler - Triplet at Christy Creek (Welter). Big Creek near Nigh (Big Sandy). Laurel Creek near mouth, and Briery Creek (Kinniconick). North Fork of Triplet near Morehead, and Upper North Fork of Licking at Lick Fork.