ANNOTATED LIST OF THE FISHES OF WISCONSIN

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In light of the increasing amount of work being done by state and federal agencies and by various state institutions on systematic and ecological as well as recreational and economic aspects of our fish fauna, the need has arisen for an up-to-date list, briefly noting the status of each species within the State of Wisconsin. Recent local studies on the distribution of fishes in various parts of the state have made possible the preparation of this list. Moreover, in recent years nomenclature for many species has been modified or clarified by national and international agencies; these changes have been incorporated.

Many significant changes in the distribution of certain Wisconsin fish species have occurred in recent years. These range changes have been brought about through fish rescue operations, crossover areas, canals, plantings by federal and state agencies, and the omnipresent fisherman’s minnow bucket. Wholesale modification of the landscape, through forestry and agricultural practices as well as dam and industrial construction, has left its mark on streams and lakes and is reflected in widespread alterations in species’ composition and numbers. These changes are pointed out in the annotations.

The list includes all the native fishes for Wisconsin and those exotic species planted with the intent that they become a characteristic part of the fish fauna. At the end of the paper, a separate list of problematical species includes those not known to be reproducing in the state and those found in nearby waters but not yet reported from the state. The status of each species is indicated by its general distribution and relative abundance within the state and by occasional reference to specific habitat.

The following scale was used for indicating distribution and abundance:

Rare—species which are taken at highly infrequent intervals with one or two specimens per collection.

Uncommon—species which are taken infrequently and in very small numbers.

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Common—species which are taken frequently and in moderate numbers.

Abundant—species taken frequently and in large numbers.

The information has been compiled from the following sources: literature on Wisconsin fishes, personal communication with workers now actively engaged in fish research, fish collection records in the University of Wisconsin Zoological Museum and Biology Museum at Wisconsin State University—Stevens Point, and personal observations made by the authors. During the period from 1964–1966 the senior author, in conjunction with Field Zoology classes, has made extensive collections (350 stations) throughout southern Wisconsin. The junior author has made detailed surveys of several large watersheds in the state. Specimens of most species lie in the Zoological Museum, University of Wisconsin, Madison, and in the Museum of Biology, Wisconsin State University, Stevens Point.

The arrangement of orders and families follows the classification of Greenwood et al., 1966. Except where Dr. Bailey (see acknowledgements) has advised recent changes, nomenclature is according to Bailey et al., 1960. Certain synonymies have been included to facilitate cross reference to other literature dealing with fishes of our area (particularly Greene 1935, and Forbes and Richardson 1920). Pertinent literature on distribution, ecology, and taxonomy is cited.

Key rivers and lakes mentioned in the text are found on Map 1. The “lower Wisconsin River” refers to that section from the Prairie du Sac dam down to its juncture with the Mississippi River. The “lower Wolf River and its lakes” starts at the Shawano dam and includes Lake Winnebago.

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MAP 1. Map of Wisconsin showing major drainage units, counties, key rivers, and lakes and cities.
ORDER PETROMYZONTIFORMES

PETROMYZONTIDAE—LAMPREYS

Ichthyomyzon castaneus Girard—Chestnut lamprey

Uncommon to common in the lower Wisconsin, Yellow (Wood Co.), Mississippi, St. Croix and Nemakagon Rivers. In Great Lakes drainage present in the upper Fox R. at Eureka (Winnebago Co.) and reported from the lower Wolf R. and its lakes. 16, 65

Ichthyomyzon fossor Reighard & Cummins—Northern brook lamprey


Ichthyomyzon unicuspis Hubbs & Trautman—Silver lamprey

Ichthyomyzon concolor (Kirtland) F& R*

Uncommon in Mississippi and lower Wisconsin Rivers, Green Bay, and the large lakes of the lower Wolf R. basin. Common in streams flowing into L. Superior. 9, 13, 15, 16

Lampetra lamottei (Lesueur)—American brook lamprey

Entosphenus appendix (DeKay) G.†

Lampetra wilderi Gage F& R

Common in creeks of the Mississippi basin throughout southern and central Wisconsin. So far not reported from streams of Great Lakes drainage in the state, although reported as common in upper Michigan streams of eastern L. Superior. 7, 13, 16, 58

Petromyzon marinus Linnaeus—Sea lamprey


* Forbes & Richardson, 1920.
† Greene, 1935.
ORDER ACIPENSORIFORMES

ACIPENSERIDAE—STURGEONS

Acipenser fulvescens Rafinesque—Lake sturgeon
Acipenser rubicundus Lesueur F&R


Scaphirhynchus platorynchus (Rafinesque)—Shovelnose sturgeon

Uncommon to common in the main channels of the Mississippi and lower Wisconsin Rivers and in the lower Chippewa and lower Red Cedar Rivers. Presence reported up to St. Croix Falls dam on the St. Croix R. 13

POLYODONTIDAE—PADDLEFISHES

Polyodon spathula (Walbaum)—Paddlefish

Formerly abundant on the Mississippi R., now uncommon in the Mississippi and lower Wisconsin Rivers. 13, 23, 108

ORDER SEMIONOTIFORMES

LEPISOSTEIDAE—GARS

Lepisosteus osseus (Linnaeus)—Longnose gar

Common in most large lakes and quiet waters of larger rivers over lower two-thirds of Wisconsin. In northwestern Wisconsin common in Big Sissabagama, Big Court Oreilles, Grindstone, and Big Sand Lakes (Sawyer Co.). Common in the St. Croix R. below dam at St. Croix Falls; abundant in the Island Lake Chain (Rusk Co.) and the Long Lake Chain (Chippewa Co.). Uncommon in northeastern Wisconsin. 9, 10, 13, 65

Lepisosteus platostomus Rafinesque—Shortnose gar

Uncommon to common in lower Wisconsin and Mississippi Rivers and lower portions of their tributaries; in the St. Croix up to the St. Croix Falls Dam. Formerly reported from Lake Mendota (Dane Co.). Recently appearing in Lake Winnebago (Great Lakes drain-
age), possibly entering via the Fox–Wisconsin canal at Portage (Columbia Co.). Several specimens taken summer 1968 in southern third of Green Bay (L. Michigan). 9, 13, 67, 87

ORDER AMIIFORMES

AMIIDAE—BOWFINS

Amia calva Linnaeus—Bowfin

Uncommon to common in quiet waters of large rivers and large lakes. Wider dispersal and less common northward. 9, 10, 13, 65, 69

ORDER ANGUILLIFORMES

ANGUILLIDAE—FRESHWATER EELS

Anguilla rostrata (Lesueur)—American eel

Anguilla bostoniensis (Lesueur) G.

Anguilla chrysopha Rafinesque F&R


ORDER CLUPEIFORMES

CLUPEIDAE—HERRINGS

Alosa chrysocloris (Rafinesque)—Skipjack herring

Pomolobus chrysocloris Rafinesque F&R G.

Probably extinct. Formerly found throughout the Wisconsin portion of the Mississippi R. and in the St. Croix up to St. Croix Falls. 23, 46

Alosa pseudoharengus (Wilson)—Alewife

Abundant recent (1952) addition to fauna of L. Michigan and has become a nuisance. Appeared in L. Superior in 1954, becoming common. 68, 79, 99

Dorosoma cepedianum (Lesueur)—Gizzard shad

Abundant in Mississippi and lower Wisconsin Rivers. Uncommon to common in lower portions of their larger tributaries. Common in
St. Croix R. upstream to St. Croix Falls Dam. Rare, southern L. Michigan. Uncommon in lower third of Green Bay of L. Michigan where collected by commercial fishermen summer 1968. 13, 22, 65, 68

Hiodontidae—Mooneyes

Hiodon alosoides (Rafinesque)—Goldeye
Amphiodon alosoides Rafinesque G.

Rare in Mississippi R. as far north as Lake Pepin. 23, 46

Hiodon tergisus Lesueur—Mooneye

Common in Mississippi, St. Croix R. upstream to St. Croix Dam, lower Wisconsin R., and uncommon in lower portions of their larger tributaries. Common in lower Wolf R. and its lakes (Great Lakes drainage). Rare in Green Bay and L. Michigan. 9, 13, 22, 65

Order Salmoniformes

Salmonidae—Trouts, Whitefishes

Coregonus chapeiformis (Mitchill)—Lake whitefish

Common in L. Superior (up to 35 fathoms); common in L. Michigan but reduced in recent years by the sea lamprey. Reported from L. Lucerne (Forest Co.), Keyes L. (Florence Co.), and Trout L. (Vilas Co.). 29, 31, 34, 75, 91, 107

Leucichthys alpenae (Koelz)—Longjaw cisco

Formerly common in L. Michigan (20 to 60 fathoms), but becoming very rare in recent years. 96

Leucichthys artedii Lesueur—Cisco or lake herring
Argyrosomus artedi (Lesueur) F&R

Common but declining in Lakes Superior and Michigan. Common in many deeper inland lakes in northern tier of counties; rare to common in lakes of Waukesha Co. and in L. Geneva (Walworth Co.). Nearing extinction in Lake Mendota (Dane Co.). 20, 24, 31, 42, 53, 63, 96

Leucichthys hoyi (Gill)—Bloater

Abundant and dominant Leucichthys at 20 to 70 fathoms, but some found to greatest depths in both Lakes Superior and Michigan. Increased rapidly in numbers and extended range in L. Michigan during 1950’s and early 1960’s but declining in recent years as alewives increased. 31, 61, 96, 110, 111
Leucichthys johannae (Wagner)—Deepwater cisco

Perhaps now extinct, but formerly common in deeper waters of L. Michigan (80 to 90 fathoms). Last seen and taken in the early 1950's. 96

Leucichthys kiyi (Koelz)—Kiyi

Common in deep areas of L. Superior. Have become very rare in recent years in L. Michigan (60 to 100 fathoms). 31, 96

Leucichthys nigripinnis (Gill)—Blackfin cisco

Once common but now rare in L. Superior (15 to 100 fathoms). Formerly common in L. Michigan but now probably extinct—last records from the mid-1950's. 31, 96

Leucichthys reighardi (Koelz)—Shortnose cisco

Rare in western L. Superior (up to 50 and possibly 65 fathoms). Once common in L. Michigan (20 to 60 fathoms) but very rare in recent years. 31, 96

Leucichthys zenithicus (Jordan & Evermann)—Shortjaw cisco

Common in L. Superior (10 to 90 fathoms but most common at 30 to 70 fathoms). Once common in L. Michigan (20 to 70 fathoms) but decreasing to very rare in recent years. 31, 96

Prosopium coulteri (Eigenmann and Eigenmann)—Pygmy whitefish

Common in L. Superior (10 to 59 fathoms, but most common at 20 to 50 fathoms). 31, 37

Prosopium cylindraceum (Pallas)—Round whitefish

Prosopium quadrilaterale quadrilaterale (Richardson) G.

Common in L. Superior (shallows to 19 fathoms; rarer up to 40 fathoms). Uncommon to common in shallower areas of L. Michigan north of Sheboygan. Rare southwards. 31, 73

Salmo gairdneri Richardson—Rainbow trout

Introduced in late 1800's. Common locally in streams and lakes over the state. Continuously stocked in L. Superior and its tributaries; spawning successfully in some larger tributaries. Continuously stocked in recent years along Wisconsin shore of L. Michigan; natural reproduction insignificant. 19, 27b
Salmo trutta Linnaeus—Brown trout  
*Salmo fario* Linnaeus G.

Introduced in late 1800's. Common in cold-water streams of southern and central Wisconsin, and in recent years playing a larger role in stream fishing of northern Wisconsin. Large brown trout are taken frequently in shore areas of Lakes Superior and Michigan, where they are maintained by extensive stocking. 18, 27c, 69

Salvelinus fontinalis (Mitchill)—Brook trout

Common in streams of central and northern Wisconsin; rare to uncommon in southern Wisconsin, except Richland, Columbia, Dane and Sauk Cos. where common in some streams. Coasters present along Wisconsin shores of Lakes Superior and Michigan (especially Door and Kewaunee Cos.); these populations sustained by stocking. 15, 17

Salvelinus namaycush namaycush (Walbaum)—Common lake trout  
*Cristivomer namaycush* (Walbaum) G. & F&R

Common in L. Superior (10 to 39 fathoms). Uncommon in L. Michigan but returning in numbers. Inland waters with spawning trout: Trout and Black Oak L. (Vilas Co.), Big Green L. (Green Lake Co.). Recently introduced in Lac Court Oreilles (Sawyer Co.) 27a, 31, 35, 36, 48

Salvelinus namaycush siscowet (Agassiz)—Siscowet

Common in deeper waters (40 to 125 fathoms) of L. Superior. 33

**OSMERIDAE—SMELTS**

Osmerus mordax (Mitchill)—American smelt


**ESOCIDAE—PIKES**

Esox americanus vermiculatus Lesueur—Grass pickerel  
*Esox vermiculatus* Lesueur G. & F&R

Common in scattered localities in lakes and sluggish waters of southern one-third of state. Also found in Fishtrap and High Lakes
and headwaters of Manitowish R. (Vilas Co.) and Minocqua Thoroughfare (Oneida Co.), where it was probably accidentally introduced during fish transfer operations in the early 1930's. 10, 64

**Esox lucius** Linnaeus—Northern pike

Common to abundant in lakes throughout state and in slow waters of large streams and rivers. Absent from the Chippewa R. and its lakes above Radisson (Sawyer Co.). 7, 9, 10, 12, 13, 69, 102, 103

**Esox masquinongy** Mitchill—Muskellunge

Common in the lakes and rivers in the headwater regions of the Chippewa, Flambeau, St. Croix (upstream to Trego Dam), and Wisconsin Rivers. Uncommon to rare in the middle one-third of the state. Stocked annually as far south as L. Wisconsin (Columbia Co.). Populations developed from stocking in Little Green L. (Green Lake Co.), Pewaukee L. (Waukesha Co.), and Lenwood L. (Washington Co.). Occasionally caught in L. Superior and in Green Bay (L. Michigan). 9, 10, 43, 64, 69, 81, 83

**Esox masquinongy** female X **Esox lucius** male—Tiger muskellunge

Natural crosses are reported in Lac Vieux Desert (Vilas Co.), Star, Big St. Germaine and Plum Lakes (Vilas Co.), and Tomahawk and Minocqua Lakes (Oneida Co.). Hybrids have been produced in Wisconsin hatcheries in 1940, 1946, 1947, 1963, 1965 and stocked frequently in landlocked bass lakes. This hybrid has a growth rate more rapid than either parent species. Experiments indicate that it will backcross with **Esox lucius**. 14, 65, 69

**UMBRIDAE**—MUDMINNOWS

**Umbra limi** (Kirtland)—Central mudminnow

Common to abundant in small streams and marshes throughout state except in southwestern quarter, where uncommon. 7, 9, 12, 13, 65, 69

**ORDER CYPRINIFORMES**

**CYPRINIDAE**—MINNOWS AND CARP

**Campostoma anomalum pullum** (Agassiz)—Central stoneroller

Abundant in small swift-flowing streams of southern Wisconsin. Occasionally taken in quiet pools. 13, 57, 80
Camptostoma anomalum oligolepis Hubbs & Greene—Largescale stoneroller

Abundant in medium-size, swift-flowing streams in central and northern Wisconsin. 13, 57, 80

Carassius auratus (Linnaeus)—Goldfish

Common in some Milwaukee Co. lagoons. Occasionally found in southeastern Wisconsin streams and in Peters Lake (Walworth Co.). Introduced in part through a fish exchange program with the Nebraska Fish Commission in 1903, 1904, and 1908. 67, 78, 113

Cyprinus carpio Linnaeus—Carp

Abundant in large shallow waters of southern and central Wisconsin. Becoming common in some northern Wisconsin waters in recent years. Introduced through plantings by Wis. Commissioners of Fisheries, 1881–1895. 30, 41, 69, 74, 113

Chrosomus eos Cope—Northern red-belly dace

Abundant in small streams and in bog lakes of central and northern Wisconsin. 7, 12, 69

Chrosomus erythrogaster (Rafinesque)—Southern red-belly dace

Abundant in small to medium-size streams in southern Wisconsin. Rare to uncommon in central Wisconsin, apparently moving into a number of new localities in recent years. 13

Chrosomus neogaeus (Cope)—Finescale dace

Pfrille neogaea (Cope) G.

Uncommon to common in small streams and ponds in northeastern Wisconsin and in the streams of the L. Superior drainage. Rare in headwater streams of central Wisconsin. 12, 69

Clinostomus elongatus (Kirtland)—Redside dace

Uncommon in small to medium-size streams in widely scattered basins of southern, central and eastcentral Wisconsin. 7, 13

Dionda nubila (Forbes)—Ozark minnow

Hybognathus nubila (Forbes) F&R

Rare in medium-size streams of gentle current Platte R. basin (Grant Co.). Reported from streams in Barron, Lafayette, Iowa, Walworth, Rock, and Waukesha Cos. in late 1920’s. 13, 46
Hybognathus hankinsoni Hubbs—Brassy minnow

Common in slow-flowing streams over state except northwestern portion where uncommon. Rare in large rivers. 7, 13, 46

Hybognathus nuchalis Agassiz—Silver minnow

Uncommon in the lower Wisconsin R. and the Mississippi and in the lower portions of their tributaries. 13, 46

Hybopsis aestivalis (Girard)—Speckled chub

Hybopsis hyostomus (Gilbert) F&R

Extrarius aestivalis (Gilbert) G.

Generally uncommon over shallow sand flats in lower Wisconsin and Mississippi R. and lower portions of their larger tributaries. 13, 46

Hybopsis biguttata (Kirtland)—Hornyhead chub

Hybopsis kentuckiensis (Rafinesque) F&R

Nocomis biguttatus (Kirtland) G.

Common in clear-water, medium-size streams of northern and central Wisconsin. Uncommon in the southwestern quarter of state except in the southern tier of counties where common. 7, 12, 13, 46

Hybopsis plumbea (Agassiz)—Lake chub

eCouesius plumbeus (Agassiz) G.


Hybopsis storeriana (Kirtland)—Silver chub

Uncommon in flowing sections of the lower Wisconsin R., in the Mississippi R., and in the lower portions of their tributaries. 13, 46

Hybopsis x-punctata Hubbs & Crowe—Gravel chub

Hybopsis dissimilia (Kirtland) F&R

Erimystax dissimilis (Kirtland) G.

 Probably extinct in state. Taken only once from the Sugar R. (Green Co.) in the late 1920’s. 46

Notemigonus crysoleucas (Mitchill)—Golden shiner

Abramis crysoleucas (Mitchill) F&R

Common to abundant in lakes, slow-flowing streams and rivers over the entire state. 7, 9, 10, 12, 13, 22, 69
Notropis annis Hubbs & Greene—Pallid shiner

Rare. In recent years this minnow has been collected from the lower Wisconsin and from the Mississippi Rivers in water of moderate flow. 13, 46

Notropis anogenus Forbes—Pugnose shiner

Rare. Earlier reports from Burnett, Waupaca, Kewaunee, Marquette, Columbia and Dane Cos. In recent years this minnow has been collected only from Pewaukee Lake (Waukesha Co.) and L. Poygan (Winnebago Co.). 2, 9, 10, 46

Notropis atherinoides Rafinesque—Emerald shiner

Common to abundant in L. Michigan, Superior, Winnebago and other large inland lakes of central and southern Wisconsin. Present in Yellow Birch L. (Vilas Co.). A common minnow in the lower Wisconsin and Mississippi R. and lower portions of some of their tributaries. 9, 13, 22, 69

Notropis blennius (Girard)—River shiner

Notropis jejunus (Forbes) F&R

Common in the lower Wisconsin and the Mississippi R. and lower portions of some tributary streams. An isolated population in L. Winnebago of the Great Lakes Basin. 9, 13, 46

Notropis buchanani Meek—Ghost shiner

Rare or nearly extinct in the state. Last collected in 1944 (UW Museum of Zoology—Madison) from the Mississippi R. opposite Crawford Co. 46

Notropis chalybaeus (Cope)—Ironcolor shiner


Notropis cornutus (Mitchill)—Common shiner

Abundant and one of the commonest of stream and river minnows found under a wide variety of conditions. Occasional in clear-water lakes over clean bottom. 7, 9, 10, 13, 44, 65, 69
Notropis chrysocephalus (Refinesque)—Stripped shiner

Common in the Saukville–Grafton sector of the Milwaukee R. (Ozaukee Co.). Single specimen (Museum WSU–Stevens Point) collected from Green Bay near the city of Sturgeon Bay. Older records indicate presence from Kenosha to Dane Cos. 44, 46

Notropis dorsalis (Agassiz)—Bigmouth shiner
Notropis gilberti Jordan and Meek F&R

Common over sand-bottom, medium-sized streams in the Mississippi drainage. Recently established in the east-central streams within the L. Michigan drainage of Wisconsin. 7, 13

Notropis heterodon (Cope)—Blackchin shiner

Uncommon in central and southern Wisconsin. Absent from southwestern quarter. Locally common northward in lakes and bog ponds. 9, 10, 12, 46, 65

Notropis heterolepis Eigenmann & Eigenmann—Blacknose shiner
Notropis cayuga Meek F&R

Rare in southwestern quarter of state. Elsewhere common in widely separated lakes and slow-moving streams, often in heavily-silted habitats. 7, 9, 10, 12, 46, 65

Notropis hudsonius (Clinton)—Spottail shiner

Common locally in very large inland lakes, in Lakes Michigan and Superior, and in large slow-moving rivers as the lower Wisconsin and Mississippi, and in the St. Croix R. upstream to St. Croix Falls Dam. 9, 10, 12, 13, 22, 46, 65, 69

Notropis rubellus (Agassiz)—Rosyface shiner
Notropis rubrifrons (Cope) F&R

Common in medium-sized, swift-flowing streams of central and southern Wisconsin. Uncommon northward—apparently absent from the extreme northwest corner of the state. 7, 12, 13, 46, 69

Notropis spilopterus (Cope)—Spotfin shiner
Notropis whippelli (Girard) F&R G.

Abundant in medium to large-sized streams and rivers. A common minnow in large lakes. Absent from the northern tier of counties. 7, 9, 10, 12, 13, 65, 69
Notropis stramineus (Cope)—Sand shiner
   Notropis blennius (Girard) F&R
   Notropis phenacobius Forbes F&R
   Notropis deliciousus (Cope) G.

Abundant in medium to large-sized streams and rivers of central and southwestern Wisconsin. Elsewhere uncommon to common. 7, 9, 12, 13, 69

Notropis texanus (Girard)—Weed shiner
   Notropis nux Hubbs & Greene G.

Uncommon in the lower Wisconsin and in the Mississippi Rivers and in the lower portions of their tributaries. Older records indicate presence from east-central Wisconsin (Great Lakes drainage). 13, 22, 46

Notropis umbratilis (Girard)—Redfin shiner

Locally common in slow-moving, turbid waters of southeastern Wisconsin. Older records show presence in widely isolated streams throughout the southern half of the state. 46, 54

Notropis volucellus volucellus (Cope)—Northern mimic shiner
   Notropis blennius (Girard) F&R

Locally common in medium-sized streams and in lakes over the state except in the southwestern quarter, where rare. Distribution sites widely isolated. 7, 22, 65, 69

Notropis volucellus wickliffi Trautman—Channel mimic shiner

Rare in the Mississippi R. Seldom taken in recent years. 13, 46

Opsopoeodus emiliae Hay—Pugnose minnow

Uncommon in slow-water and sloughs of the Wisconsin R. upstream to Du Bay (Marathon Co.) and in the Mississippi R. In the Great Lakes drainage taken only from the west end of L. Poygan (Waushara Co.). 9, 13, 22, 46

Phenacobius mirabilis (Girard)—Suckermouth minnow

Uncommon to common in small and medium-sized tributaries to the lower Wisconsin and Mississippi Rivers. In the southwestern quarter of the state, from Vernon Co. southward. Uncommon in Rock R. drainage in southeastern quarter. 13, 46
Pimephales notatus (Rafinesque)—Bluntnose minnow

Hyborhynchus notatus (Rafinesque) G.

Abundant in streams and lakes over the entire state. Uncommon in the larger rivers. This species, from the standpoint of distribution and numbers, is perhaps the most successful Wisconsin fish. 6, 7, 9, 10, 12, 13, 22, 65, 69

Pimephales promelas Rafinesque—Fathead minnow

Locally common over the entire state. Frequently associated with turbid water. 7, 12, 13, 22, 46, 69

Pimephales vigilax (Baird & Girard)—Bullhead minnow

Clinola vigilax (Baird and Girard) F&R

Hypargyrus velox (Girard) G.

Common to abundant in the lower Wisconsin and the Mississippi. Rarely associated with other large streams in the southwestern quarter of state. A recent collection from the Fox R. (Marquette Co.) near the Portage Canal indicates a late crossover into the Great Lakes drainage basin. 7, 22

Rhinichthys atratus (Hermann)—Blacknose dace

Rhinichthys atronanus (Mitchill) F&R. G.

Common to abundant in small cool headwater streams. Uncommon to common in medium-sized streams supporting trout. Distributed throughout the state. 6, 8, 12, 13, 69

Rhinichthys cataractae (Valenciennes)—Longnose dace

Common to abundant in fast water of medium-sized streams of the northern half of Wisconsin. Common in small fast-water streams of southwestern Wisconsin. Common in wave-swept shallows of Lakes Michigan and Superior. 6, 8, 12, 13, 69

Semotilus atromaculatus (Mitchill)—Creek chub

Abundant in small and medium-sized streams and rivers over the entire state. Rare in large rivers and in lakes. One of our commonest fishes. 7, 12, 13, 65, 69

Semotilus margarita (Cope)—Pearl dace

Margariscus margarita (Cox) G.

Common in very small streams of central and northern Wisconsin except in streams of L. Superior drainage where rare. Uncommon in larger streams. 7, 12, 65, 69
CATOSTOMIDAE—SUCKERS

Carpiodes carpio (Rafinesque)—River carpsucker

Common in the lower Wisconsin R. and the Mississippi R., and their larger tributaries. 13, 22, 46

Carpiodes cyprinus (Lesueur)—Quillback
  Carpiodes thompsoni Agassiz F&R
  Carpiodes velifer (Rafinesque) F&R


Carpiodes velifer (Rafinesque)—Highfin carpsucker
  Carpiodes difformis Cope F&R

Common in the lower Wisconsin R. and the Mississippi R. and in their larger tributaries. 13, 46

Catostomus catostomus (Forster)—Longnose sucker

Common in L. Superior and its tributaries during spawning. Formerly common, now rare in L. Michigan. 31, 46, 69

Catostomus commersoni (Lacépède)—White sucker

Abundant and generally distributed in lakes and streams over the state. One of the most widely distributed and abundant fish species in the state. 6, 7, 9, 10, 12, 65, 69

Cycleptus elongatus (Lesueur)—Blue sucker

Rare. Found only in the lower Wisconsin R., the Mississippi R., and the St. Croix upstream to St. Croix Falls Dam. 13, 46, 65

Erimyzon oblongus (Mitchill)—Creek chubsucker
  Erimyzon suetulla oblongus (Mitchill) F&R

Rare. Taken only twice in the southeastern corner of Wisconsin during the late 1920’s from the Des Plaines R. (Kenosha Co.) and a tributary. 46

Erimyzon suetulla (Lacépède)—Lake chubsucker
  Erimyzon suetulla oblongus (Mitchill) F&R

Rare to uncommon locally in the larger rivers and the lower portions of tributaries to them in the southern half of Wisconsin. Report from White Clay L. (Shawano Co.) needs substantiation. Occasionally taken in larger lakes, especially in southeastern Wisconsin. 9, 10, 13, 46
Hypentelium nigricans (Lesueur)—Northern hogsucker
   Catostomus nigricans Lesueur F&R

   Common locally in riffle areas of medium to large streams and rivers. Generally distributed throughout the state. 7, 12, 13, 65

Ictiobus bubalus (Rafinesque)—Smallmouth buffalo

   Uncommon in the lower Wisconsin R. and in the Mississippi. Recent record from Island L. (Vilas Co.), needs verification. 13, 22, 46

Ictiobus cyrinellus (Valenciennes)—Bigmouth buffalo
   Megastomatobus cyrinella (Cuvier & Valenciennes) G.

   Uncommon to common in medium to large rivers in southern Wisconsin. Reported from L. Delavan (Waukesha Co.), L. Koshkonong (Jefferson Co.), Beaver Dam L. (Dodge Co.), the Madison Lakes (Dane Co.) and Long Lake (Waupaca Co.). The last is the first Wisconsin record from the L. Michigan drainage. Present in the Mississippi R. and in the St. Croix up to St. Croix Falls Dam. Reports needing substantiation from Manitowish Chain and Big Lake (Vilas Co.). 13, 22, 46, 65, 67

Ictiobus niger (Rafinesque)—Black buffalo
   Ictiobus urus (Agassiz) F&R

   Rare on the lower Wisconsin R. Uncommon on the Mississippi R. 13, 45

Minytrema melanops (Rafinesque)—Spotted sucker

   Common locally in the lower Wisconsin and in the Mississippi Rivers and their larger tributaries. Common in Lake Poygan; occasional in L. Winnebago. It has been reported from the upper Fox R. (Columbia to Winnebago Cos.) and from the lower Wolf downstream from the Shawano Dam (Shawano Co.). Recently collected in Des Plaines R. (Kenosha Co.). 9, 13, 22

Moxostoma anisurum (Rafinesque)—Silver redhorse

   Common locally in large streams in the western half of Wisconsin and in streams in the L. Superior drainage. Uncommon in east-central Wisconsin (L. Michigan drainage). 7, 65, 68, 69

Moxostoma carinatum (Cope)—River redhorse

   This species has not been collected by Wisconsin workers but is reported in boundary waters in Lake St. Croix on the St. Croix R. between Minnesota and Wisconsin. 82b
Moxostoma duquesnei (Lesueur)—Black redhorse

Probably extinct. Taken only once from Black Earth Creek (Dane Co.) in the late 1920’s. 46

Moxostoma erythrurum (Rafinesque)—Golden redhorse
Moxostoma aureolum (Lesueur) F&R

Uncommon in northern half of state (absent from northern tier of counties). Common in medium to large rivers in the southern half of the state. 7, 9, 12, 13

Moxostoma macrolepidotum (Lesueur)—Northern redhorse
Moxostoma breviceps (Cope) F&R
Moxostoma aureolum (Lesueur) G.

Common statewide in medium to large rivers. A common species in large lakes of central and northern Wisconsin. 7, 9, 12, 13, 22, 65, 69.

Moxostoma valenciennesi Jordan—Greater redhorse
Moxostoma rubreque Hubbs G.

Rare and probably nearing extinction. Old records indicate general distribution in the state. A purported specimen recently reported from the lower Wisconsin R. misidentified as this species, actually M. macrolepidotum. 13, 46

ORDER SILURIFORMES
ICTALURIDAE—FRESHWATER CATFISHES

Ictalurus furcatus (Lesueur)—Blue catfish

Rare, probably extinct. Only two old records from the Mississippi R. (Crawford and Pepin Cos.). 46

Ictalurus melas (Rafinesque)—Black bullhead
Ameiurus melas (Rafinesque) F&R G.

Abundant throughout the state in lakes and warm-water streams of all sizes. 7, 9, 10, 12, 13, 22, 65, 68, 69

Ictalurus natalis (Lesueur)—Yellow bullhead
Ameiurus nebulosus (Lesueur) F&R. G.

Common throughout the state, generally in clear medium-sized streams and occasionally in clear lakes. 7, 9, 10, 12, 13, 22, 65, 69, 89
Ictalurus nebulosus (Lesueur)—Brown bullhead

Ameriurus nebulosus (Lesueur) F&R. G.

Uncommon in sloughs of rivers and in lakes. Discontinuous distribution throughout state. 7, 9, 12, 13, 22, 69, 89

Ictalurus punctatus (Rafinesque)—Channel catfish

Villarius lacustris (Walbaum) G.

Uncommon to common in the Mississippi R. and the lower Wisconsin R. (upstream to Castle Rock Dam) and their larger tributaries, and in the St. Croix R. to Gordon Dam and in the Namekagon to Trego Dam. Uncommon to common in the Wolf and Fox River system of the L. Michigan basin. Rare in L. Michigan and Green Bay. In the L. Superior drainage a single recent record from the St. Louis R. (Douglas Co.). 9, 13, 22, 65, 69

Noturus exilis Nelson—Slender madtom

Schilbeodes exilis (Nelson) F&R. G.

Rare in Bark R. system (Waukesha Co.). 20, 46

Noturus flavus Rafinesque—Stonecat

Uncommon to common in medium-sized streams of moderate current in southern two-thirds of state. Rare northward except in L. Superior tributaries (Bayfield and Douglas Cos.), where common. 7, 12, 13, 65, 69

Noturus gyrinus (Mitchill)—Tadpole madtom

Schilbeodes gyrinus (Mitchill) F&R. G.

Common statewide in medium to large rivers. Frequently found in lakes over debris-covered bottom. 7, 9, 12, 13, 22, 69

Pyrhodictis olivaris (Rafinesque)—Flathead catfish

Leptops olivaris (Rafinesque) F&R

Uncommon to common in Mississippi, lower Wisconsin and Pecatonica Rivers. In recent years reported occasionally from lower Wolf and upper Fox Rivers and their lakes (L. Michigan drainage). 9, 13, 22, 65

APHREDODERIDAE—PIRATE PERCH

Aphredoderus sayanus (Gilliams)—Pirate perch

Uncommon to rare in sloughs of the Mississippi R. and in the Wisconsin R. up to central Wisconsin. Occasionally found in lower portions of tributaries to these waters. Uncommon in Des Plaines R. (Kenosha Co.). 13, 22
ORDER PERCOPSIFORMES
PERCOPSIDAE—TROUT-PERCH

Percopsis omiscomayceus (Walbaum)—Trout perch
Percopsis guttatus Agassiz F&R

Uncommon in the Mississippi and Wisconsin Rivers. More common northward, in the Chippewa R. and connecting lakes of Sawyer Co., and in L. Superior and tributary streams. Reported from Trout L. (Vilas Co.). Rare to uncommon in L. Michigan drainage except in Lakes Winnebago and Poygan (Winnebago Co.), where abundant. 9, 13, 31, 86

ORDER GADIFORMES
GADIDAE—CODFISHES AND HAKES

Lota lota (Linnaeus)—Burbot
Lota maculosa (Lesueur) F&R. G.

Rare to uncommon in widely separated large rivers and lakes statewide. Common in dark water streams of the Flambeau R. watershed and tributary streams to L. Superior; common in Lakes Poygan and Winnebago (L. Michigan drainage). Young occasionally taken in small streams opening into large bodies of water. Decreasing in L. Michigan in recent years. 9, 12, 13, 31, 65, 69

ORDER ATEGERINIFORMES
CYPRINODONTIDAE—KILLIFISHES

Fundulus diaphanus (Lesueur)—Banded killifish

Common in lakes of southeastern Wisconsin. Uncommon in widely isolated sites in northern half of state and absent from southwestern quarter. 9, 12, 46.

Fundulus notatus (Rafinesque)—Blackstripe topminnow

Uncommon in sloughs and lakes of the Mississippi drainage in the southeastern quarter of state. A single recent report from the Wisconsin R. at Woodman (Grant Co.). In L. Michigan drainage, present in the upper Fox R. (Columbia and Marquette Cos.). Recently collected from lower Wisconsin R. 13, 46

Fundulus notti (Agassiz)—Starhead topminnow
Fundulus dispar (Agassiz) F&R. G.

Rare. Recently collected from quiet water in Coon Creek (Rock Co.) and sloughs of the Wisconsin R. (Iowa Co.). The later is the first for the Wisconsin R. basin. Older records from Walworth and Waukesha Cos. (lower Fox R. system). 46
ATHERINIDAE—SILVERSIDES

*Labidesthes siculus* (Cope)—Brook silverside

Common in lakes and quiet waters of rivers and large streams in southern half of the state. Distribution discontinuous northward where uncommon. Absent in L. Superior drainage. 10, 13, 20, 22

ORDER GASTEROSTEIFORMES

GASTEROSTEIDAE—STICKLEBACKS

*Cuilaea inconstans* (Kirtland)—Brook stickleback

*Eucalia inconstans* (Kirtland) F&R. G.

Abundant in dense vegetation of small to medium-size streams throughout state. Although taken most frequently in clear water, this species may be found in highly turbid waters. 4, 7, 12, 13, 69

*Pungitius pungitius* (Linnaeus)—Ninespine stickleback

*Pygosteus pungitius* (Linnaeus) F&R

Common in shoal areas of L. Superior and uncommon in streams of its drainage basin. Rare in shoal areas of L. Michigan. 31, 46, 69

ORDER SCORPAENIFORMES

COTTIDAE—SCULPINS

*Cottus bairdi* Girard—Mottled sculpin

*Cottus ictalops* (Rafinesque) F&R

*Uranidea kumlienii* Hay F&R

Common in cold headwater streams throughout the state. Occasionally in large lakes: L. Metonga (Forest Co.), L. Winnebago (Winnebago Co.), shoal areas of L. Michigan. 7, 9, 12, 13, 28, 69

*Cottus cognatus* Richardson—Slimy sculpin

Uncommon in common in streams tributary to and in L. Superior. Uncommon in L. Michigan. Recently taken from Citron Creek (Crawford Co.), Camp Creek (Richland Co.) and Big Green L. (Green Lake Co.). 13, 28, 31

*Cottus ricei* (Nelson)—Spoonhead sculpin

Uncommon in shallow to deep waters of Lakes Michigan (2 to 73 fathoms) and Superior (20 to 60 fathoms). 28, 31, 46

*Myoxocephalus quadricornis* (Linnaeus)—Fourhorn sculpin

*Triglophis thompsonii* Girard G.

Common in deep water of Lakes Superior (40 to 200 fathoms) and Michigan (25 to 100 fathoms). 28, 31, 46
ORDER PERCIFORMES

SERRANIDAE—SEA BASSES

*Roccus chrysops* (Rafinesque)—White bass

*Lepidobema chrysops* (Rafinesque) G.

Common in large lakes and rivers of southern half of the state and in the St. Croix upstream to St. Croix Falls Dam. Abundant in L. Winnebago. 9, 10, 13, 22, 117

*Roccus mississippiensis* (Jordan & Eigenmann)—Yellow bass

*Morone interrupta* Gill F&R G.

Uncommon to common in the Mississippi and lower Wisconsin Rivers; common and increasing in Lakes Poygan and Winnebago. Introduced into the Madison lakes (Dane Co.) and into lakes of the lower Wolf R. (L. Michigan basin) during fish transfer operations of the 1930’s and 1940’s. Abundant in L. Mason, Adams Co. Recently stocked in the Manitowoc, Sheboygan, and Milwaukee R. basins in eastern Wisconsin. 9, 13, 50, 51, 67, 99

CENTRARCHIDAE—SUNFISHES

*Ambloplites rupestris* (Rafinesque)—Rock bass

Common in clear, medium to large streams and in lakes throughout the state except in southwestern quarter where rare. 7, 9, 10, 22, 53, 65, 69

*Chaenobryttus gulosus* (Cuvier)—Warmouth

Rare to uncommon in southern third of state; in sloughs of rivers and impoundments. Common in the Long Lake Chain (Chippewa Co.). Reported in L. Nebagamon (Douglas Co.). 13, 46

*Lepomis cyanellus* Rafinesque—Green sunfish

*Apomotis cyanellus* (Rafinesque) G.

Common in lakes and medium-sized streams of southern one-third of state. Discontinuous distribution northward. Not reported from the L. Superior drainage. 10, 12, 13, 22, 60

*Lepomis gibbosus* (Linnaeus)—Pumpkinseed

*Eupomotis gibbosus* (Linnaeus) F&R. G.

Common in clear medium-sized rivers and in lakes throughout the state except in the southwestern quarter and in L. Superior drainage where uncommon. 7, 9, 12, 13, 22, 69
Lepomis humilis (Girard)—Orangespotted sunfish
  Allotis humilis (Girard) G.

Uncommon to common in Mississippi R. (Vernon Co. southward) and lower Wisconsin R. Rare to uncommon in sloughs and backwaters of larger streams in Richland, Iowa, Green, and Lafayette Cos. Recently collected from Sugar River (Dane and Green Cos.) and lower Fox R. (Kenosha Co.).

Lepomis macrochirus Rafinesque—Bluegill
  Lepomis pallidus (Mitchill) F&R
  Helioperca macrochirius (Rafinesque) G.

Most abundant centrarchid in Wisconsin. Found in medium-sized streams to large rivers and in nearly all lakes throughout the state. 7, 9, 10, 12, 13, 22, 65, 69, 97

Lepomis megalotis (Rafinesque)—Longear sunfish
  Xenotis megalotis (Cope) G.

Uncommon in southeastern quarter of state. Recently collected in the Milwaukee R. (Ozaukee Co.) and in the Mukwonago R. (Waukesha Co.). Reported rare from L. Geneva (Walworth Co.). 46

Micropterus dolomieu Lacépède—Smallmouth bass

Common in medium to large streams and large clear-water lakes throughout the state. Common in upper Green Bay area of L. Michigan and Chequamegon Bay of L. Superior. 7, 9, 10, 12, 13, 65, 69, 70, 71, 114

Micropterus salmoides Lacépède—Largemouth bass
  Aplites salmoides (Lacépède) G.

Abundant in medium to large rivers and in lakes throughout the state. 7, 9, 10, 12, 13, 22, 65, 69, 71, 75, 76

Pomoxis annularis Rafinesque—White crappie

Common in the Mississippi and lower Wisconsin Rivers and their larger tributaries. Reported from L. Mendota (Dane Co.). Recently taken from the upper Fox and lower Wolf River basin in east-central Wisconsin (L. Michigan drainage). 9, 13, 22

Pomoxis nigromaculatus (Lesueur)—Black crappie
  Pomoxis soroideus (Lacépède) F&R. G.

Common in lakes and larger rivers throughout the state. Introduced into many lakes in northern Wisconsin where it has become abundant. 7, 9, 10, 12, 13, 22, 65, 69
PERCIDAE—PERCHES

Ammocrypta asprella (Jordan)—Crystal darter
  Crystallaria asprella (Jordan) F&R. G.

Rare in the Mississippi River. Collected recently on the lower Wisconsin R. near Orion (Richland Co.), on the lower Chippewa R. between Durand (Pepin Co.) and Meridian Ferry Landing (Dunn Co.). 13, 46

Ammocrypta clara Jordan & Meek—Western sand darter
  Ammocrypta pellucida (Baird) F&R. G.

Common locally in shallow riffles over sand flats in the lower Wisconsin R., in the Mississippi R. and in the St. Croix upstream to the St. Croix Falls Dam. Recently collected in the Waupaca R. (Great Lakes drainage near its junction with the Wolf R. in Waupaca Co.). 11, 13, 65

Etheostoma aspigrene (Forbes)—Mud darter
  Etheostoma jessiae (Jordan & Brayton) F&R
  Poecilichthys jessiae Jordan & Brayton G.

Rare to uncommon in sloughs of the lower Wisconsin and Mississippi Rivers and in the lower portions of tributaries to them. 13, 22

Etheostoma caeruleum Storer—Rainbow darter
  Poecilichthys coeruleus (Storer) G.

Common locally in central and southeastern Wisconsin. Uncommon in southwestern Wisconsin. 6, 12, 13, 46

Etheostoma chlorosomum (Hay)—Bluntnose darter
  Boleosoma camurum Forbes F&R

Rare. This southern darter has been collected as far north as the Root R., Houston Co., Minnesota. Records (Zoological Museum UW, Madison; University Museums UM, Ann Arbor, Michigan) from the Mississippi River come from small isolated ponds between New Albin and Minnesota slough on the Iowa–Minnesota border just across from Victory, Vernon Co., Wis. 33, 49

Etheostoma exile (Girard)—Iowa darter
  Poecilichthys exilis (Girard) G.

Uncommon to common locally over the state but found primarily in glaciated areas, where it is taken in small streams and bog lakes. 7, 9, 12, 13, 22, 69
Etheostoma flabellare Rafinesque—Fantail darter  
*Catotnotus flabellaris* Agassiz G.

Abundant over rocks and gravel in the smaller streams of the state. Occasionally taken in medium to large rivers. 7, 12, 13

Etheostoma microperca Jordan & Gilbert—Least darter  
*Microperca punctulata* Putnam F&R. G.

Uncommon. Although found in widely separated areas over the state, it has been collected most frequently from the southeastern counties. 7, 46

Etheostoma nigrum Rafinesque—Johnny darter  
*Boleosoma nigrum* (Rafinesque) F&R. G.

Abundant in all waters from the smallest stream and pond to the largest river and lake over a wide variety of bottom types. It is the most successful member of its family. 7, 9, 10, 12, 13, 22, 65, 69, 105

Etheostoma zonale (Cope)—Banded darter  
*Poecilichthys zonalis* Cope G.

Common locally but of spotty distribution over the lower two-thirds of the state. Rare to uncommon in northeastern Wisconsin. In clear-water streams of medium to large size. 7, 12, 13

Perca flavescens (Mitchill)—Yellow perch  
Abundant in lakes, ponds, impoundments and large rivers. Common in Chequamegon Bay (L. Superior) and in L. Michigan. 5, 7, 9, 10, 12, 13, 22, 63, 65, 69, 98

Percina caprodes (Rafinesque)—Logperch  
Common in medium to large streams and rivers and in large lakes. Distribution statewide. 7, 9, 12, 13, 22, 65, 69

Percina evides (Jordan & Copeland)—Gilt darter  
*Hadrophterus evides* (Jordan & Copeland) F&R. G.

Uncommon in the Black R. and in the St. Croix R. in the vicinity of St. Croix Falls. 46, 65

Percina maculata (Girard)—Blackside darter  
*Hadrophterus aspro* (Cope & Jordan) F&R  
*Hadrophterus maculatus* (Girard) G.

Common in streams and rivers of all sizes in clear to turbid water. Distribution statewide. 7, 9, 12, 13, 69
Perca phoxocephala (Nelson)—Slenderhead darter
    Hadropterus phoxocephalus (Nelson) F&R. G.

    Uncommon in the lower Wisconsin R., the Mississippi, and in the larger streams tributary to them. Also in the Pecatonica R. (Lafayette Co.) and Sugar R. (Green Co.). In Great Lakes drainage found in L. Winnebago and in waters of the Upper Fox R. 9, 13, 46

Perca shumardi (Girard)—River darter
    Cottogaster shumardi (Girard) F&R
    Imostoma shumardi (Girard) G.

    Uncommon in the lower Wisconsin and in the Mississippi Rivers. Recently collected in Lakes Winnebago, Poygan, and the lower Waupaca R. (L. Michigan basin). 9, 13, 46

Stizostedion canadense (Smith)—Sauger

    Common in L. Winnebago and in the lower Wisconsin and Mississippi Rivers. Uncommon to common in St. Croix R. up to St. Croix Dam. Elsewhere in state uncommon, rare or absent. 9, 13, 22, 65, 88

Stizostedion vitreum vitreum (Mitchill)—Walleye

    Common locally in large rivers and almost all of the large lakes in the state. Introduced in many large lakes, especially in the north. Common in Chequamegon Bay area of L. Superior. 7, 9, 10, 13, 22, 65, 69, 77, 88, 90

Sciaenidae—Drums

Aplodinotus grunniens Rafinesque—Freshwater drum

    Common in the lower Wisconsin R., the Mississippi, the St. Croix upstream to St. Croix Falls Dam. Sporadic in some large lakes of southern one-half of state. Abundant in L. Winnebago. 9, 10, 13, 22, 65

Problematical Fishes

The following list includes those fishes currently not found in Wisconsin waters but which may be expected in the future. Also listed are those species and hybrids planted by various agencies but which are not known to reproduce naturally.

Salmonidae

Oncorhynchus gorbuscha (Walbaum)—Pink salmon

    Accidentally introduced in 1955 into L. Superior from the Port Arthur, Ontario fish hatchery. Several successive generations have
been reported. Six adults observed in the Cross R. near L. Superior, Cook Co., Minnesota, on Sept. 20, 1963. Although reported to this date only from Ontario and Minnesota waters, on the basis of its past movements we may expect to find it in Wisconsin waters. 14, 69, 93, 95

Oncorhynchus kisutch (Walbaum)—Coho salmon


Oncorhynchus tshawytscha (Walbaum)—Chinook salmon

Introduced. Between 1876 and 1879 a number of plantings were made, among them L. Geneva (Walworth Co.), Devils L. (Sauk Co.), Wautoma L. (Waushara Co.), L. Mendota (Dane Co.), Wisconsin R. at Portage (Columbia Co.), tributaries to the Mississippi (Grant Co.). In 1881 a mature female was taken from L. Michigan off Cedar Grove (Sheboygan Co.). Unsuccessfully stocked in Sunset L. (Portage Co.) in 1951. The State of Michigan stocked this species in 1967 in streams tributary to Lakes Superior and Michigan. Merryl Bailey reports capture of a 5-lb. chinook off Ashland (L. Superior) in May, 1969. A 1969 Wisconsin release of 60,000 is anticipated for the Sturgeon Bay ship canal. 15, 33, 113

Salmo clarki Richardson—Cutthroat trout

Introduced. In the Report of the Commissioners of Fisheries of Wisconsin for 1895–96 an entry is made of “450 black-spotted trout (full grown) distributed in 1896.” A later entry in the same report mentions 500 black-spotted trout having been planted in “Pike’s Creek,” with no further data. Stocked in Black Earth Cr. (Dane Co.) in 1942 and in Gould Stream (Walworth Co.) in 1948. In 1959 the Twenty-Five Sportsmen’s Club of Hubertus planted 500 legal cutthroat trout in Friess L. (Washington Co.). 113

Salmo salar Linnaeus—Landlocked salmon

Introduced. In 1875 landlocked salmon were stocked in L. Mendota (Dane Co.), Oconomowoc L. (Waukesha Co.), and Devils L. (Sauk Co.). In 1876, 10,000 were planted in L. Geneva (Walworth Co.). In 1879, plantings were made in “Clear L., Silver L., Geneva
L., Nagawicka L., and Green R." In 1907, 10,000 were planted in Trout L. (Vilas Co.). Two purported specimens of this species were taken Nov. 12, 1937, from a stream entering L. Geneva. Conservation personnel who examined the fish in 1939 believe them to be misidentified brown trout (letter Jan. 6, 1939, from L. A. Woodbury to F. C. Hewitt on file with the Wis. Cons. Dept.). 84, 113

Salvelinus namaycush female X Salvelinus fontinalis male—Splake

This hybrid was produced in Wisconsin as early as 1884. It has been stocked experimentally in lakes of northern Wisconsin in recent years. According to Canadian workers some backcrossing with the lake trout occurs. 15, 113

Thymallus arcticus (Pallas)—Arctic grayling

Introduced. Reports of the Commissioners of Fisheries of Wisconsin from 1878 to 1881 refer to grayling held in the Madison Hatchery, but no stocking occurred. In 1902, 180,000 fry were distributed from the Bayfield Hatchery with no locales indicated. In 1906, 30,000 eggs or fry were distributed at Lake Nebagamon to N. Clay Pierce, who had an estate on the Brule R. (Douglas Co.). These may have been released in the Brule. In 1908, 50,000 fry were planted in the Namekagon R. at Cable (Bayfield Co.). Unsuccessfully introduced in Mosquito Brook (Sawyer Co.) in 1937 and Pine R. (Waushara Co.) in 1938. 113

Cyprinidae

Scardinius erythrophthalmus (Linnaeus)—Rudd

Introduced into Oconomowoc L. (Waukesha Co.) in 1917 by Wisconsin Conservation Department. Reported to have spawned successfully in the lake in 1918, but has not been seen since. 20

Notropis lutrensis (Baird and Girard)—Red shiner

Recent records from Menominee Cr., 3 mi. ENE of East Dubuque (Jo Daviess Co.), and from Winnebago Co. in northern Illinois place this minnow almost on the Wisconsin state line (letter from Philip Smith, June 6, 1967).

Semotilus corporalis (Mitchell)—Fallfish

Appearance of the fallfish in the Cedar Cr., Thunder Bay District of Ontario, Canada is explained through the use of northern Lake Superior as a migration route. Not yet reported from Wisconsin waters. 1
ICHTALURIDAE

Noturus insignis (Richardson)—Margined madtom

Introduced population in Sylvania Tract, Upper Peninsula, Michigan. Since this population is only a few miles from Wisconsin, it may possibly spread into our waters (letter from Reeve Bailey, April 4, 1967).

PERCIDAE

Etheostoma spectabile (Agassiz)—Orangethroat darter

The Illinois Natural History Survey has records of this species from Lake and McHenry Cos. which are adjacent to the Wisconsin state line (letter from Philip Smith, June 6, 1967).

Etheostoma blennoides Rafinesque—Greenside darter

A recent record needing substantiation from Lake Co., Illinois (L. Michigan drainage), places this species next to the Wisconsin state line. 95

REFERENCES


