

Standard Methods for Sampling North American Freshwater Fishes

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List of Species

FISH TAXA

Arctic char.....	<i>Salvelinus alpinus</i>
Arctic grayling.....	<i>Thymallus arcticus</i>
Bigmouth buffalo	<i>Ictiobus cyprinellus</i>
Black bullhead.....	<i>Ameiurus melas</i>
Black crappie.....	<i>Pomoxis nigromaculatus</i>
Bluegill.....	<i>Lepomis macrochirus</i>
Brook trout	<i>Salvelinus fontinalis</i>
Brown trout	<i>Salmo trutta</i>
Buffaloes	<i>Ictiobus</i> spp.
Bullheads.....	<i>Ameriurus</i> spp.
Bull trout	<i>Salvelinus confluentus</i>
Burbot.....	<i>Lota lota</i>
Carp and minnow	Family Cyprinidae
Catfish	Family Ictaluridae
Chars	<i>Salvelinus</i> spp.
Chain pickerel.....	<i>Esox niger</i>
Channel catfish	<i>Ictalurus punctatus</i>
Chinook salmon.....	<i>Oncorhynchus tshawytscha</i>
Cichlids.....	Family Cichlidae
Cisco.....	<i>Coregonus artedii</i>
Ciscoes	<i>Coregonus</i> spp.
Common carp.....	<i>Cyprinus carpio</i>
Crappies.....	<i>Pomoxis</i> spp.
Cutthroat trout	<i>Oncorhynchus clarkii</i>
Dace.....	<i>Agosia, Clinostomus, Eremichthys, Margariscus, Moapa, Phoxinus, Relictus, or Rhinichthys</i> spp.
Drums and croakers	Family Sciaenidae
Fathead minnow.....	<i>Pimephales promelas</i>
Flathead catfish	<i>Pylodictis olivaris</i>
Freshwater drum	<i>Aplodinotus grunniens</i>
Gars	Family Lepisosteidae
Gizzard shad.....	<i>Dorosoma cepedianum</i>
Golden shiner.....	<i>Notemigonus crysoleucas</i>
Goodeids.....	Family Goodeidae
Green sunfish	<i>Lepomis cyanellus</i>

Herring	Family Clupeidae
Hybrid striped bass.....	generally a male <i>Morone chrysops</i> × female <i>M. saxatilis</i> or less common a female <i>Morone chrysops</i> × male <i>M. saxatilis</i>
Inconnu	<i>Stenodus leucichthys</i>
Kokanee	<i>Oncorhynchus nerka</i> (lacustrine sockeye salmon)
Lake trout	<i>Salvelinus namaycush</i>
Lake whitefish	<i>Coregonus clupeaformis</i>
Lampreys.....	Family Petromyzontidae
Largemouth bass	<i>Micropterus salmoides</i>
Mayan cichlid.....	<i>Cichlasoma urophthalmus</i>
Mooneyes	Family Hiodontidae
Muskellunge.....	<i>Esox masquinongy</i>
Northern pike	<i>Esox lucius</i>
Paddlefish.....	Family Polyodontidae
Pallid sturgeon.....	<i>Scaphirhynchus albus</i>
Perch	Family Percidae
Pike.....	Family Esocidae
Pumpkinseed.....	<i>Lepomis gibbosus</i>
Quillback	<i>Carpionodes cyprinus</i>
Rainbow smelt	<i>Osmerus mordax</i>
Rainbow trout.....	<i>Oncorhynchus mykiss</i>
Red shiner	<i>Cyprinella lutrensis</i>
Redear sunfish	<i>Lepomis microlophus</i>
Redbreast sunfish	<i>Lepomis auritus</i>
Rock bass	<i>Ambloplites rupestris</i>
Sauger	<i>Sander canadensis</i>
Sculpins	Family Cottidae
Shorthead redhorse.....	<i>Moxostoma macrolepidotum</i>
Shovelnose sturgeon	<i>Scaphirhynchus platyrhynchus</i>
Smallmouth buffalo.....	<i>Ictiobus bubalus</i>
Smallmouth bass	<i>Micropterus dolomieu</i>
Smelt.....	Family Osmeridae
Spotted bass	<i>Micropterus punctulatus</i>
Sticklebacks.....	Family Gasterosteidae
Striped bass	<i>Morone saxatilis</i>
Sturgeons	Family Acipenseridae
Suckers	Family Catostomidae
Sunfish	Family Centrarchidae
Temperate bass	Family Moronidae
Tenguayaca.....	<i>Petenia splendida</i>
Threadfin shad.....	<i>Dorosoma petenense</i>

Tilapia.....	<i>Oreochromis</i> spp.
Topminnow	Family Fundulidae
Trout and salmon	Family Salmonidae
Trout-perch	Family Percopsidae
Walleye.....	<i>Sander vitreus</i>
White bass.....	<i>Morone chrysops</i>
White crappie.....	<i>Pomoxis annularis</i>
White perch	<i>Morone americana</i>
Whitefish	<i>Coregonus</i> spp.
Yellow bass	<i>Morone mississippiensis</i>
Yellow perch	<i>Perca flavescens</i>

INVERTEBRATE TAXA

Opossum shrimps	Family Mysidacea
New Zealand mud snail.....	<i>Potamopyrgus antipodarum</i>
Phantom midge.....	<i>Chaoborus</i> spp.
Whirling disease (parasite).....	<i>Myxobolus cerebralis</i>
Zebra mussel	<i>Dreissena polymorpha</i>

Preface

This was the first effort to standardize methods for inland fish sampling across North America and, as such, was a joint effort contributed to by a large group of talented and dedicated individuals, in addition to the authors and coeditors. While these sampling methods were primarily developed for North America, most could be used with little or no modification in other areas of the world. Those involved with standard sampling efforts in North America would welcome the opportunity to collaborate with scientists from other regions to develop methods to share data worldwide.

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