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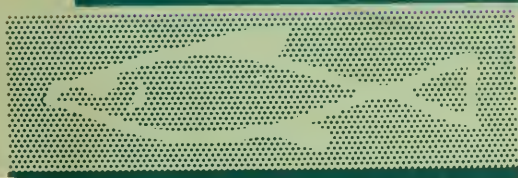
SHELVE WITH:

Transactions of the American
Fisheries Society



a list of
Common & Scientific
Names of Fishes
From the United
States & Canada

Second Edition



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A List of
Common and Scientific
Names of Fishes
from the United States
and Canada

(SECOND EDITION)



*Report of the Committee on Names of Fishes, Presented at the
Eighty-ninth Annual Meeting, Clearwater, Florida, September 16-18, 1959*

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Introduction

This second list of the names of fishes of the United States and Canada is not simply a reprinting with corrections, but constitutes a major revision and enlargement. The earlier list, published in 1948 as Special Publication No. 1 of the American Fisheries Society, has been widely used and has contributed substantially toward its goal of achieving uniformity and avoiding confusion in nomenclature. Of the 570 names on that list, 560 are retained in the present version. The 10 removed have since proved to be synonyms of other included species, or are extralimital. In the preparation of the first list, the Committee made arbitrary decisions as to what species should be included as "better known fishes." As interest in fishes expands, it becomes increasingly difficult to determine when a given species merits an approved vernacular or common name. The present Committee has avoided this decision by attempting to include common names for all native and successfully introduced species in the region of coverage. Except for possible errors of oversight, the chief failure to realize complete listing involves small, rare, and poorly-known forms near the periphery of our area: Bering Sea, deepwater fishes that occasionally are found over the continental shelf, and Caribbean species that sporadically invade southern Florida. As knowledge of such forms increases they may be added in subsequent revisions. This list includes 1892 entries, more than a threefold increase. We make no apology for the greater length, believing that these small, less well-known fishes have real or potential importance as laboratory experimental animals, in public or private aquaria, for bait, or, most often, simply as objects of natural-history inquiry or aesthetic appeal. The plan of organization and indexing are such that the inclusion of the lesser fishes need not interfere with use by those not concerned with them.

AREA OF COVERAGE

The present list purports to include all species of fishes known from the fresh waters of the continental United States and Canada, and those marine species inhabiting contiguous shore waters on or above the continental shelf, to a depth of 100 fathoms.

The shore fishes from Greenland, eastern Canada and the United States, and the northern Gulf of Mexico to the mouth of the Rio Grande are included, but those from Iceland, Bermuda, the Bahamas, Cuba and the other West Indian islands, and Mexico are excluded unless they occur also in the region covered. In the Pacific, the area treated includes that part of the continental shelf from the Mexican-United States boundary to Bering Strait. The Arctic shore waters of Alaska and Canada are included. Hawaii, with a large and strikingly different Indo-Pacific fish fauna, is excluded. Deep-sea fishes, whether benthic or bathypelagic, are excluded unless they appear also within the 100-fathom isobath. In practice this line of distinction is difficult to apply, and becomes arbitrary to that extent. Pelagic fishes that enter waters over the continental shelf are included. The list provides a general guide to distribution: "A" denotes Atlantic Ocean but includes the eastern Arctic, "P" refers to Pacific Ocean and includes the western Arctic, and "F" indicates occurrence in fresh water. Appropriate combinations of letters are used for those fishes that live, either naturally or by introduction, in more than one of these regions.

COMMON NAMES

The Committee aims at the development of a body of common names that reflect broad current usage, the creation of a richer, more meaningful and colorful vernacular nomenclature, and the promotion of mechanisms that will add to stability and the universality of names applied to American fishes.

The common name as here employed is viewed as a formal, usually anglicized appellation to be used in lieu of the Latinized scientific name of a species. It is hoped, and the history of the recent past confirms, that common names may be more stable than scientific names. Certainly they should be more readily adaptable to lay uses than scientific names. There is clear need for standardization and uniformity in vernacular names not only for sport or commercial fishes, but as trade names, for aquarium fishes, in legal terminology, and as substitutes for scientific names of almost any fish

in popular or scientific writing. The Committee believes that it is desirable to establish a common name for each species of fish occurring naturally or through successful introduction in the waters of English-speaking North America.

Agreement on many names may be arrived at quickly, but others are attended by complications and marked disagreement develops. This is especially true of fish known by market names that differ from those names that are more familiar to sport fishermen, biologists or others. The existence for a single species of different names in separate parts of its geographic range creates difficulties that seem soluble only through arbitration. Conversely a given name may be employed in several places for diverse species. Although committee action on such situations may not be expected to change local use quickly, at least it seems plainly improper to sanction use of one name for two or more different species.

After wrestling with common names for over twenty years, the Committee on Names of Fishes realized the importance of establishing a set of guiding principles to be employed in the determination of names. Such a code permits a more objective appraisal of the relative merits among several names than if selection is based primarily on personal experience and preference. Consideration of many vernacular names of fishes makes it apparent that few principles can be established for which some exceptions must not be admitted. This is true because at this late date a majority of our larger and more abundant, hence important, species have such firmly established common names that it would be unrealistic to reject them. Decision on the name for a species may often be decided by weighing the pros and cons among the possible alternatives and selecting that one which best fits the aggregate of guiding criteria.

In the introduction to the earlier list of names a number of rules of procedure were itemized. Recently the Committee incorporated these into the following statement of criteria that it regards as appropriate to the selection of common names of fishes.

PRINCIPLES GOVERNING SELECTION OF COMMON NAMES¹

1. *A single vernacular name shall be accepted for each species or taxonomic unit included.*—

¹ First printed in 1955 (Trans. Am. Fish. Soc., Vol. 84 [1954] pp. 368-371).

In the present list only two fishes have two approved names: redbfish and ocean perch for *Sebastes marinus*; cisco and lake herring for *Coregonus artedii*.

2. *No two species on the list shall have the same approved name.*

3. *The expression "common" as part of a fish's name shall be avoided wherever possible.*

4. *Simplicity in names is favored.*—Hyphens, suffixes, and apostrophes shall be omitted (e.g., smallmouth bass) except where they are orthographically essential (e.g., three-eye flounder), have a special meaning (e.g., C-O sole), or are necessary to avoid possible misunderstanding (e.g., cusk-eel). Compounded modifying words, including paired structures, should usually be treated as singular nouns in apposition with a group name (e.g., spottail shiner, soupinfin shark), but a plural modifier should usually be placed in adjectival form (e.g., black-banded sunfish, spotted hake). Preference shall be given to names that are short and euphonious.

The compounding of brief, familiar words into a single name, written without hyphen, may in some cases promote clarity and simplicity (e.g., tomcod, goldfish, mudminnow), but the wholesale practice of combining words, especially those that are lengthy, awkward, or unfamiliar, is deplored.

5. *Common names shall not be capitalized in text use except for those elements that are proper names (e.g., rainbow trout but Sacramento perch).*

6. *Names intended to honor persons (e.g., Allison's tuna, Julia's darter) are not admissible.*

7. *Only clearly defined and well-marked taxonomic entities (usually species) shall be assigned common names.*—Most subspecies are not suitable subjects for common names, but those forms that are so different in appearance (not just in geographic distribution) as to be distinguished readily by sport or commercial fishermen or laymen or for which a common name constitutes a significant aid in communication may merit separate names. Subspecies have importance in evolutionary inquiry but are rarely of significance to laymen or in those aspects of biological endeavor in which common names are of concern. The practice of adding geographic modifiers to designate regional

populations makes for a cumbersome terminology.

8. *The common name shall not be intimately tied to the scientific name.*—Thus the vagaries of scientific nomenclature do not entail constant changing of common names. The practice of applying a name to each genus, a modifying name for each species, and still another modifier for each subspecies, while appealing in its simplicity, has the defect of inflexibility. If a fish is transferred from genus to genus, or shifted from species to subspecies or vice versa, the common name should nevertheless remain unaffected. It is not a primary function of common names to indicate relationship. When two or more taxonomic groups (e.g., nominal species) are found to be identical, one name shall be adopted for the combined group.

This principle is regarded not only as fundamental to the achievement of stability, but as essential to the development of a true vernacular nomenclature.

9. *Names shall not violate the tenets of good taste.*

The preceding principles are largely in the nature of procedural dicta. Those given below are criteria that are regarded as aids in the selection of suitable names.

10. *Colorful, romantic, fanciful, metaphorical, and otherwise distinctive and original names are especially appropriate.*—Such terminology adds to the richness and breadth of the nomenclature and yields a harvest of satisfaction to the user. Examples of such names include: Dolly Varden, madtom, hogchoker, garibaldi, pumpkinseed, flier, angelfish, midshipman, and chilipepper.

11. *American Indian names are welcome for adoption as common names.*—Those in current use include muskellunge, eulachon, mummichog, chinook, tautog, menhaden, and cisco.

12. *Regardless of origin, truly vernacular names that are widespread and in common use by the public are to be retained wherever possible.*—In addition to aboriginal names, many now well-known names of American fishes have been derived from non-English-speaking fishermen of foreign extraction: barracuda, cero, grouper, pompano (Spanish); bocaccio (Italian); capelin, inconnu (French). Although too little genuine originality is evident, many excellent names have

been developed by American immigrants. Most of these conform to principles 14 and 15 below.

13. *Commonly employed names adopted from traditional English usage (e.g., cod, pike, sole, flounder, bass, perch, chub, minnow) may be given considerable latitude in taxonomic placement.*—Adherence to customary English practice is to be preferred if this does not conflict with the broad general use of another name. Many English names, however, have been applied to similar appearing but often distantly related fishes in America. We find perch in use for representatives of at least 9 families of spiny-rayed fishes. Chub appears in such diverse groups as the Salmonidae, Cyprinidae, and Kyphosidae. The ocean whitefish (*Caulolatilus princeps*) is not a salmonid and the blue pike (*Stizostedion vitreum glaucum*) is remote from the Esocidae, yet each is best known to fishermen throughout its range by the name indicated. For widely-known species the Committee believes it preferable to recognize general use than to engage in a probably futile effort to gain the general adoption of bookish or pedantic substitutes. Thus, established practice should outweigh consistency with original English usage.

14. *Structural attributes, including color and color pattern, are desirable and are in common use in forming names.*—Sailfin, flathead, slippery, giant, mottled, copper, tripletail, and a multitude of others decorate fish names. Efforts should be made to select terms that are descriptively accurate, and to hold repetition of those most frequently employed (e.g., white, black, spotted, banded) to a minimum.

15. *Ecological characteristics are useful in making good names.*—They too should be properly descriptive. Terms such as sand, rock, lake, riffle, freshwater and mountain are well known in fish names.

16. *Geographic distribution provides suitable adjectival modifiers.*—Poorly descriptive or misleading geographic characterizations (e.g., Kentucky bass for a wide-ranging species) should be corrected unless they are too deeply entrenched in current usage. In the interest of brevity it is usually possible to delete words such as lake, river, or ocean in the names of species (e.g., Colorado squawfish, not Colorado River squawfish).

17. *Generic names may be employed outright (e.g., remora) or in modified form (e.g.,*

molly, from *Mollienesia*) as common names.—Once adopted such names should be maintained even if the generic name is changed. These vernaculars should be written in Roman and without capitalization. Brevity and euphony are of especial importance for names of this type, which will probably be adopted most often for aquarium fishes or other smaller and little-known kinds that do not already have a well-established vernacular nomenclature.

18. *The duplication of common names for fishes and other organisms should be avoided if possible, but names in wide general use need not be rejected on this basis alone.*—The name dolphin is commonly applied to certain cetaceans and also to *Coryphaena hippurus*. Similarly, buffalo is employed for various artiodactyls and for suckers of the genus *Ictiobus*. On the basis of prevailing use these names are admissible as fish names.

19. *Names that appear on official lists of names of fishes prepared by other agencies shall be preferred.*

PLAN OF LIST

The list is presented as a natural or phylogenetic sequence of families of fishes, with the species of each family alphabetized to generic and specific names. In order to facilitate use the three classes of recent fishes (Agnatha—jawless fishes, Chondrichthyes—cartilaginous fishes, and Osteichthyes—bony fishes) and the orders are indicated. For the latter, the ordinal names of the Goodrich system (*formes* endings) are given first, followed, in parentheses, by equivalent names employed by Regan, Jordan, Romer or others. Both common and technical names of families (*idae* endings) are given. Within families the sequence is alphabetical to scientific name; the occasional disadvantage of separating closely related forms within a family is regarded as more than offset by the greater ease in use.

An innovation in this edition is the inclusion of authorities for scientific names. These are commonly needed by fishery workers, who may not have ready access to the necessary references. In any event their appearance here in a single cover is a great convenience. Care has been taken to prevent errors in author's names; usage here reflects current interpretation of the International Rules on Zoological Nomenclature. In line with those rules, the author's name(s) follows the specific name directly and without

punctuation if the species, when originally described, was assigned to the same genus in which it appears here; if the species was described in another genus, the author's name(s) appears in parentheses. For example, the brook trout was originally named *Salmo fontinalis* by Mitchell; it appears here as *Salvelinus fontinalis* (Mitchill).

In preparation of the list hundreds of decisions had to be made that involved interpretation of rules of nomenclature, systematic status and limits of species, genera, and families, occurrence within the prescribed region, and other problems. Four times in six years it has been possible for a majority of the committee members to gather around a table and attack these problems together. The resultant interchange of ideas and information, extended by circulation of dozens of work lists, has made possible striking concordance on what started as areas of disagreement. There remain, to be sure, many differences of opinion, but there has been a broadened area of understanding and a spirit of good humor and willingness to compromise difficulties. Decisions have been made by majority opinion of the Committee. Thus, no committee member subscribes to all decisions reached. In many places, information available to the Committee exceeded that in the current literature. In general it has been our policy to withhold making such changes here, although we have made some considered exceptions, especially when the new data will appear shortly.

INDICES

The main list, Part I, appears on pages 6 to 50; there follow indices, Part II, to common names (pages 51 to 75) and, Part III, to scientific names (pages 76 to 102). The index to common names gives page references to approved common names of classes, families, and species. A single entry is included for each species; for example, *Salmo gairdneri* is entered only under "trout, rainbow." In addition to approved names, the index includes also other names that are in wide use followed by the equivalent approved name. There are a great many vernacular names of American fishes, and extensive search would be necessary to assemble even a large fraction of them. This the Committee has not attempted to do, but most of the more widely used names are included.

The index to scientific names gives page references to the names here entered for

classes, orders, families, genera, and species. Each species is entered only under its specific name. For example, the bluegill may be located under "*macrochirus*, *Lepomis*" but not under *Lepomis macrochirus*, although an entry for *Lepomis* directs the reader to the proper page. Scientific names that are not accepted in this list are excluded except for those that appeared in the first edition and have since been placed in synonymy.

ACKNOWLEDGMENTS

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In 1951 the American Fisheries Society approved a plan whereby the Committee on Names of Fishes of that Society would serve jointly as a Committee on Common Names of Fishes in the American Society of Ichthyologists and Herpetologists. The president of the ASIH formally appointed the Committee. Since that time this arrangement has worked smoothly. All personnel on the Committee are members of both societies and the formulation of this list, it is believed, serves common interests. Annual meetings of the ASIH have provided a convenient opportunity to assemble the joint committee to attack problems in the preparation of this list. The plan is mutually advantageous, and we hope it may continue.

We gratefully acknowledge financial assistance in the publication of this list provided by the National Science Foundation. (NSF-G12424).

PART I

Accepted Common Name, Occurrence, and Scientific Name

COMMON NAME	OCCURRENCE ¹	SCIENTIFIC NAME
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CLASS AGNATHA—JAWLESS FISHES

ORDER MYXINIFORMES (MYXINOIDEA; HYPEROTRETI)

Myxinidae—hagfishes

Atlantic hagfish.....	A	<i>Myxine glutinosa</i> Linnaeus
Black hagfish.....	P	<i>Polistotrema deani</i> Evermann and Goldsborough
Pacific hagfish.....	P	<i>Polistotrema stouti</i> (Lockington)

ORDER PETROMYZONTIFORMES (PETROMYZONTIA; HYPEROARTII)

Petromyzontidae—lampreys

Ohio lamprey.....	F	<i>Ichthyomyzon bdellium</i> (Jordan)
Chestnut lamprey.....	F	<i>Ichthyomyzon castaneus</i> Girard
Northern brook lamprey.....	F	<i>Ichthyomyzon fossor</i> Reighard and Cummins
Southern brook lamprey.....	F	<i>Ichthyomyzon gagei</i> Hubbs and Trautman
Allegheny brook lamprey.....	F	<i>Ichthyomyzon greeleyi</i> Hubbs and Trautman
Mountain brook lamprey.....	F	<i>Ichthyomyzon hubbsi</i> Raney
Silver lamprey.....	F	<i>Ichthyomyzon unicuspis</i> Hubbs and Trautman
Least brook lamprey.....	F	<i>Lampetra aepyptera</i> (Abbott)
River lamprey.....	P-F.....	<i>Lampetra ayresi</i> (Günther)
Arctic lamprey.....	P-F.....	<i>Lampetra japonica</i> (Martens)
American brook lamprey.....	F	<i>Lampetra lamottei</i> (LeSueur)
Western brook lamprey.....	F	<i>Lampetra planeri</i> (Bloch)
Pacific lamprey.....	P-F.....	<i>Lampetra tridentata</i> (Gairdner)
Sea lamprey.....	A-F.....	<i>Petromyzon marinus</i> Linnaeus

CLASS CHONDRICHTHYES—CARTILAGINOUS FISHES

ORDER SQUALIFORMES (SELACHII)

Hexanchidae—cow sharks

Sixgill shark.....	A-P.....	<i>Hexanchus griseum</i> (Bonnaterre)
Sevengill shark.....	P	<i>Notorynchus maculatus</i> Ayres

Chlamydoselachidae—frill sharks

Frill shark.....	P	<i>Chlamydoselachus anguineum</i> Garman
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Heterodontidae—horn sharks

Horn shark.....	P	<i>Heterodontus francisci</i> (Girard)
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Carchariidae—sand sharks

Sand shark.....	A	<i>Carcharias taurus</i> Rafinesque
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Lamnidae—mackerel sharks

Bigeye thresher.....	A	<i>Alopias superciliosus</i> (Lowe)
Thresher shark.....	A-P.....	<i>Alopias vulpinus</i> (Bonnaterre)

¹ A = Atlantic; P = Pacific; F = Freshwater

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
White shark	A-P	<i>Carcharodon carcharias</i> (Linnaeus)
Basking shark	A-P	<i>Cetorhinus maximus</i> (Gunnerus)
Bonito shark	P	<i>Isurus glaucus</i> (Müller and Henle)
Mako	A	<i>Isurus oxyrinchus</i> Rafinesque
Salmon shark	P	<i>Lamna ditropis</i> Hubbs and Follett
Porbeagle	A	<i>Lamna nasus</i> (Bonnaterre)

Orectolobidae—nurse sharks

Nurse shark	A	<i>Ginglymostoma cirratum</i> (Bonnaterre)
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Rhincodontidae—whale sharks

Whale shark	A-P	<i>Rhincodon typus</i> Smith
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Scyliorhinidae—cat sharks

Brown cat shark	P	<i>Apristurus brunneus</i> (Gilbert)
Swell shark	P	<i>Cephaloscyllium uter</i> (Jordan and Gilbert)
Filetail cat shark	P	<i>Parmaturus xaniurus</i> (Gilbert)
False cat shark	A	<i>Pseudotriakis microdon</i> Brito Capello
Chain dogfish	A	<i>Scyliorhinus retifer</i> (Garman)

Carcharhinidae—requiem sharks

Finetooth shark	A	<i>Aprionodon isodon</i> (Müller and Henle)
Blacknose shark	A	<i>Carcharhinus acronotus</i> (Poey)
Bignose shark	A	<i>Carcharhinus altima</i> (Springer)
Roundnose shark	P	<i>Carcharhinus azureus</i> (Gilbert and Starks)
Sickle shark	A	<i>Carcharhinus falciformis</i> (Müller and Henle)
Silky shark	A	<i>Carcharhinus floridanus</i> Bigelow, Schroeder, and Springer
Bay shark	P	<i>Carcharhinus lamiella</i> (Jordan and Gilbert)
Bull shark	A	<i>Carcharhinus leucas</i> (Müller and Henle)
Blacktip shark	A	<i>Carcharhinus limbatus</i> (Müller and Henle)
Whitetip shark	A	<i>Carcharhinus longimanus</i> (Poey)
Spinner shark	A	<i>Carcharhinus maculipinnis</i> (Poey)
Sandbar shark	A	<i>Carcharhinus milberti</i> (Müller and Henle)
Dusky shark	A	<i>Carcharhinus obscurus</i> (LeSueur)
Smalltail shark	A	<i>Carcharhinus porosus</i> (Ranzani)
Narrowtooth shark	P	<i>Carcharhinus remotus</i> (Duméril)
Tiger shark	A-P	<i>Galeocerdo cuvieri</i> (Peron and LeSueur)
Soupsfin shark	P	<i>Galeorhinus zyopterus</i> Jordan and Gilbert
Night shark	A	<i>Hypoprion signatus</i> Poey
Gray smoothhound	P	<i>Mustelus californicus</i> Gill
Smooth dogfish	A	<i>Mustelus canis</i> (Mitchill)
Sicklefin smoothhound	P	<i>Mustelus lunulatus</i> Jordan and Gilbert
Florida smoothhound	A	<i>Mustelus norrisi</i> Springer
Lemon shark	A	<i>Negaprion brevirostris</i> (Poey)
Blue shark	A-P	<i>Prionace glauca</i> (Linnaeus)
Pacific sharpnose shark	P	<i>Scoliodon longurio</i> (Jordan and Gilbert)
Atlantic sharpnose shark	A	<i>Scoliodon terraenovae</i> (Richardson)
Brown smoothhound	P	<i>Triakis henlei</i> (Gill)
Leopard shark	P	<i>Triakis semifasciata</i> Girard

Sphyrnidae—hammerhead sharks

Scalloped hammerhead	A-P	<i>Sphyrna lewini</i> (Griffith)
Great hammerhead	A	<i>Sphyrna mokarran</i> (Rüppell)

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Bonnethead	A-P	<i>Sphyrna tiburo</i> (Linnaeus)
Smooth hammerhead	A-P	<i>Sphyrna zygaena</i> (Linnaeus)
Squalidae—dogfish sharks		
Black dogfish	A	<i>Centroscyllium fabricii</i> (Reinhardt)
Kitefin shark	A	<i>Dalatias licha</i> (Bonnaterre)
Bramble shark	A-P	<i>Echinorhinus brucus</i> (Bonnaterre)
Greenland shark	A	<i>Somniosus microcephalus</i> (Bloch and Schneider)
Pacific sleeper shark	P	<i>Somniosus pacificus</i> Bigelow and Schroeder
Spiny dogfish	A-P	<i>Squalus acanthias</i> Linnaeus
Cuban dogfish	A	<i>Squalus cubensis</i> Howell Rivero
Squatinae—angel sharks		
Pacific angel shark	P	<i>Squatina californica</i> Ayres
Atlantic angel shark	A	<i>Squatina dumerili</i> LeSueur
ORDER RAJIFORMES (BATOIDEI)		
Pristidae—sawfishes		
Smalltooth sawfish	A	<i>Pristis pectinatus</i> Latham
Largetooth sawfish	A	<i>Pristis perotteti</i> Müller and Henle
Rhinobatidae—guitarfishes		
Thornback	P	<i>Platyrhinoidis triseriata</i> (Jordan and Gilbert)
Atlantic guitarfish	A	<i>Rhinobatos lentiginosus</i> (Garman)
Shovelnose guitarfish	P	<i>Rhinobatos productus</i> (Ayres)
Banded guitarfish	P	<i>Zapteryx exasperata</i> (Jordan and Gilbert)
Torpedinidae—electric rays		
Lesser electric ray	A	<i>Narcine brasiliensis</i> (Olfers)
Pacific electric ray	P	<i>Torpedo californica</i> Ayres
Atlantic torpedo	A	<i>Torpedo nobiliana</i> Bonaparte
Rajidae—skates		
Ocellate skate	A	<i>Raja ackleyi</i> Garman
Aleutian skate	P	<i>Raja aleutica</i> Gilbert
Big skate	P	<i>Raja binoculata</i> Girard
Clearnose skate	A	<i>Raja eglanteria</i> Bosc
Little skate	A	<i>Raja erinacea</i> Mitchell
Rosette skate	A	<i>Raja garmani</i> Whitley
California skate	P	<i>Raja inornata</i> Jordan and Gilbert
Bering skate	P	<i>Raja interrupta</i> Gill and Townsend
Black skate	P	<i>Raja kincaidi</i> Garman
Barndoor skate	A	<i>Raja laevis</i> Mitchell
Freckled skate	A	<i>Raja lentiginosa</i> Bigelow and Schroeder
Winter skate	A	<i>Raja ocellata</i> Mitchell
Spreadfin skate	A	<i>Raja olseni</i> Bigelow and Schroeder
Alaska skate	P	<i>Raja parmifera</i> Bean
Thorny skate	A	<i>Raja radiata</i> Donovan
Longnose skate	P	<i>Raja rhina</i> Jordan and Gilbert
Flathead skate	P	<i>Raja rosispinis</i> Gill and Townsend
Smooth skate	A	<i>Raja senta</i> Garman

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Spinytail skate.....	A	<i>Raja spinicauda</i> Jensen
Starry skate.....	P	<i>Raja stellulata</i> Jordan and Gilbert
Roundel skate.....	A	<i>Raja texana</i> Chandler
Roughtail skate.....	P	<i>Raja trachura</i> Gilbert

Dasyatidae—stingrays

Southern stingray.....	A	<i>Dasyatis americana</i> Hildebrand and Schroeder
Roughtail stingray.....	A	<i>Dasyatis centroura</i> (Mitchill)
Diamond stingray.....	P	<i>Dasyatis dipterurus</i> (Jordan and Gilbert)
Atlantic stingray.....	A	<i>Dasyatis sabina</i> (LeSueur)
Bluntnose stingray.....	A	<i>Dasyatis sayi</i> (LeSueur)
Pelagic stingray.....	P	<i>Dasyatis violacea</i> (Bonaparte)
Spiny butterfly ray.....	A	<i>Gymnura altavela</i> (Linnaeus)
California butterfly ray.....	P	<i>Gymnura marmorata</i> (Cooper)
Smooth butterfly ray.....	A	<i>Gymnura micrura</i> (Bloch and Schneider)
Round stingray.....	P	<i>Urolophus halleri</i> Cooper
Yellow stingray.....	A	<i>Urolophus jamaicensis</i> (Cuvier)

Myliobatidae—eagle rays

Spotted eagle ray.....	A	<i>Actobatus narinari</i> (Euphrasen)
Bat stingray.....	P	<i>Myliobatis californicus</i> Gill
Bullnose ray.....	A	<i>Myliobatis freminvillei</i> LeSueur
Southern eagle ray.....	A	<i>Myliobatis goodei</i> Garman
Cownose ray.....	A	<i>Rhinoptera bonasus</i> (Mitchill)

Mobulidae—mantas

Atlantic manta.....	A	<i>Manta birostris</i> (Walbaum)
Pacific manta.....	P	<i>Manta hamiltoni</i> (Newman)
Devil ray.....	A	<i>Mobula hypostoma</i> (Bancroft)
Spinetail mobula.....	P	<i>Mobula japanica</i> (Müller and Henle)
Smoothtail mobula.....	P	<i>Mobula lucasana</i> Beebe and Tee-Van

ORDER CHIMAERIFORMES (CHIMAERAE)

Chimaeridae—chimaeras

Ratfish.....	P	<i>Hydrolagus collicii</i> (Lay and Bennett)
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CLASS OSTEICHTHYES—BONY FISHES

ORDER ACIPENSERIFORMES (CHONDROSTEI)

Acipenseridae—sturgeons

Shortnose sturgeon.....	A-F	<i>Acipenser brevirostrum</i> LeSueur
Lake sturgeon.....	F	<i>Acipenser fulvescens</i> Rafinesque
Green sturgeon.....	P-F	<i>Acipenser medirostris</i> Ayres
Atlantic sturgeon.....	A-F	<i>Acipenser oxyrinchus</i> Mitchell
White sturgeon.....	P-F	<i>Acipenser transmontanus</i> Richardson
Pallid sturgeon.....	F	<i>Scaphirhynchus albus</i> (Forbes and Richardson)
Shovelnose sturgeon.....	F	<i>Scaphirhynchus platorynchus</i> (Rafinesque)

Polyodontidae—paddlefishes

Paddlefish.....	F	<i>Polyodon spathula</i> (Walbaum)
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COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
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ORDER SEMIONOTIFORMES (PROTOSPONDYLI AND GINGLYMODI)

Lepisosteidae—gars

Spotted gar	F	<i>Lepisosteus oculatus</i> (Winchell)
Longnose gar	F	<i>Lepisosteus osseus</i> (Linnaeus)
Shortnose gar	F	<i>Lepisosteus platostomus</i> Rafinesque
Florida gar	F	<i>Lepisosteus platyrhincus</i> DeKay
Alligator gar	F	<i>Lepisosteus spatula</i> Lacépède

ORDER AMIIFORMES (HALECOMORPHI)

Amiidae—bowfins

Bowfin	F	<i>Amia calva</i> Linnaeus
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ORDER CLUPEIFORMES (ISOSPONDYLI)

Elopidae—tarpons

Machete	P-F	<i>Elops affinis</i> Regan
Ladyfish	A	<i>Elops saurus</i> Linnaeus
Tarpon	A	<i>Megalops atlantica</i> Valenciennes

Albulidae—bonefishes

Bonefish	A-P	<i>Albula vulpes</i> (Linnaeus)
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Clupeidae—herrings

Blueback herring	A-F	<i>Alosa aestivalis</i> (Mitchill)
Alabama shad	A-F	<i>Alosa alabamiae</i> Jordan and Evermann
Skipjack herring	A-F	<i>Alosa chrysochloris</i> (Rafinesque)
Hickory shad	A	<i>Alosa mediocris</i> (Mitchill)
Ohio shad	F	<i>Alosa ohiensis</i> Evermann
Alewife	A-F	<i>Alosa pseudoharengus</i> (Wilson)
American shad	A-F-P	<i>Alosa sapidissima</i> (Wilson)
Finescale menhaden	A	<i>Brevoortia gunteri</i> Hildebrand
Largescale menhaden	A	<i>Brevoortia patronus</i> Goode
Yellowfin shad	A	<i>Brevoortia smithi</i> Hildebrand
Atlantic menhaden	A	<i>Brevoortia tyrannus</i> (Latrobe)
Atlantic herring	A	<i>Clupea harengus harengus</i> Linnaeus
Pacific herring	P	<i>Clupea harengus pallasii</i> Valenciennes
Gizzard shad	A-F	<i>Dorosoma cepedianum</i> (LeSueur)
Threadfin shad	A-F	<i>Dorosoma petenense</i> (Günther)
California round herring	P	<i>Etrumeus acuminatus</i> Gilbert
Atlantic round herring	A	<i>Etrumeus sadina</i> (Mitchill)
False pilchard	A	<i>Harengula clupeola</i> Valenciennes
Redear sardine	A	<i>Harengula humeralis</i> Cuvier
Scaled sardine	A	<i>Harengula pensacolata</i> Goode and Bean
Flatiron herring	P	<i>Harengula thrissina</i> (Jordan and Gilbert)
Dwarf herring	A	<i>Jenkinsia lamprotaenia</i> (Gosse)
Pacific thread herring	P	<i>Opisthonema libertate</i> (Günther)
Atlantic thread herring	A	<i>Opisthonema oglinum</i> (LeSueur)
Spanish sardine	A	<i>Sardinella anchovia</i> Valenciennes
Pacific sardine	P	<i>Sardinops sagax</i> (Jenyns)

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
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Engraulidae—anchovies

Key anchovy.....	A	<i>Anchoa cayorum</i> (Fowler)
Deepbody anchovy.....	P	<i>Anchoa compressa</i> (Girard)
Cuban anchovy.....	A	<i>Anchoa cubana</i> (Poey)
Slough anchovy.....	P	<i>Anchoa delicatissima</i> (Girard)
New Jersey anchovy.....	A	<i>Anchoa duodecim</i> (Cope)
Striped anchovy.....	A	<i>Anchoa hepsetus</i> (Linnaeus)
Longnose anchovy.....	A	<i>Anchoa lamprotaenia</i> Hildebrand
Dusky anchovy.....	A	<i>Anchoa lyolepis</i> (Evermann and Marsh)
Bay anchovy.....	A	<i>Anchoa mitchilli</i> (Valenciennes)
Silver anchovy.....	A	<i>Anchoviella eurystole</i> (Swain and Meek)
Slim anchovy.....	P	<i>Anchoviella miarcha</i> (Jordan and Gilbert)
Flat anchovy.....	A	<i>Anchoviella perfasciata</i> (Poey)
Anchoveta.....	P	<i>Cetengraulis mysticetus</i> (Günther)
Northern anchovy.....	P	<i>Engraulis mordax</i> Girard

Salmonidae—trouts, whitefishes, and graylings

Longjaw cisco.....	F	<i>Coregonus</i> ¹ <i>alpenae</i> (Koelz)
Cisco or lake herring.....	F	<i>Coregonus artedii</i> LeSueur
Arctic cisco.....	F	<i>Coregonus autumnalis</i> (Pallas)
Lake whitefish.....	A-F	<i>Coregonus clupeaformis</i> (Mitchill)
Bloater.....	F	<i>Coregonus hoyi</i> (Gill)
Deepwater cisco.....	F	<i>Coregonus johanna</i> e (Wagner)
Kiyi.....	F	<i>Coregonus kiyi</i> (Koelz)
Broad whitefish.....	F	<i>Coregonus nasus</i> (Pallas)
Blackfin cisco.....	F	<i>Coregonus nigripinnis</i> (Gill)
Nipigon cisco.....	F	<i>Coregonus nipigon</i> (Koelz)
Humpback whitefish.....	F	<i>Coregonus pidschian</i> (Gmelin)
Shortnose cisco.....	F	<i>Coregonus reighardi</i> (Koelz)
Least cisco.....	F	<i>Coregonus sardinella</i> Valenciennes
Shortjaw cisco.....	F	<i>Coregonus zenithicus</i> (Jordan and Evermann)
Pink salmon.....	A-F-P	<i>Oncorhynchus gorbusha</i> (Walbaum)
Chum salmon.....	P-F	<i>Oncorhynchus keta</i> (Walbaum)
Coho salmon.....	A-F-P	<i>Oncorhynchus kisutch</i> (Walbaum)
Sockeye salmon ²	P-F	<i>Oncorhynchus nerka</i> (Walbaum)
Chinook salmon.....	P-F	<i>Oncorhynchus tshawytscha</i> (Walbaum)
Bear Lake whitefish.....	F	<i>Prosopium abyssicola</i> (Snyder)
Pygmy whitefish.....	F	<i>Prosopium coulteri</i> (Eigenmann and Eigenmann)
Round whitefish.....	F	<i>Prosopium cylindraceum</i> (Pallas)
Bonneville cisco.....	F	<i>Prosopium gemmiferum</i> (Snyder)
Bonneville whitefish.....	F	<i>Prosopium spilonotus</i> (Snyder)
Mountain whitefish.....	F	<i>Prosopium williamsoni</i> (Girard)
Golden trout.....	F	<i>Salmo aguabonita</i> Jordan
Cutthroat trout.....	P-F	<i>Salmo clarki</i> Richardson
Rainbow trout ³	A-F-P	<i>Salmo gairdneri</i> Richardson
Gila trout.....	F	<i>Salmo gilae</i> Miller
Atlantic salmon ⁴	A-F	<i>Salmo salar</i> Linnaeus

¹ The genus *Coregonus* is here employed to include species referred by some authors to *Leucichthys*.

² Lacustrine sockeye salmon stocks are known as kokanee.

³ Rainbow trout are commonly called steelhead trout when they enter or return from the sea and large inland lakes.

⁴ Lake populations of Atlantic salmon are variously known as ouananiche, lake Atlantic salmon, landlocked salmon, and Sebago salmon.

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Brown trout.....	A-F	<i>Salmo trutta</i> Linnaeus
Arctic char ¹	A-F-P	<i>Salvelinus alpinus</i> (Linnaeus)
Brook trout.....	A-F	<i>Salvelinus fontinalis</i> (Mitchill)
Dolly Varden.....	P-F	<i>Salvelinus malma</i> (Walbaum)
Lake trout.....	F	<i>Salvelinus namaycush</i> (Walbaum)
Inconnu.....	F	<i>Stenodus leucichthys</i> (Güldenstadt)
Arctic grayling.....	F	<i>Thymallus arcticus</i> (Pallas)
Osmeridae—smelts		
Whitebait smelt.....	P	<i>Allosmerus elongatus</i> (Ayres)
Pond smelt.....	P-F	<i>Hypomesus olidus</i> (Pallas)
Surf smelt.....	P-F	<i>Hypomesus pretiosus</i> (Girard)
Capelin.....	A-P	<i>Mallotus villosus</i> (Müller)
Arctic smelt.....	P-F	<i>Osmerus dentex</i> Steindachner
American smelt.....	A-F	<i>Osmerus mordax</i> (Mitchill)
Longfin smelt.....	P-F	<i>Spirinchus dilatatus</i> Schultz and Chapman
Night smelt.....	P	<i>Spirinchus starksi</i> (Fisk)
Sacramento smelt.....	P-F	<i>Spirinchus thaleichthys</i> (Ayres)
Eulachon.....	P-F	<i>Thaleichthys pacificus</i> (Richardson)
Argentiniidae—argentines		
Pacific argentine.....	P	<i>Argentina sialis</i> Gilbert
Atlantic argentine.....	A	<i>Argentina silus</i> Ascanius
Bathylagidae ² —deepsea smelts		
California smoothtongue.....	P	<i>Leuroglossus stilbius</i> Gilbert
Opisthoproctidae ³ —barreleyes		
Barreleye.....	P	<i>Macropinna microstoma</i> Chapman
Hiodontidae—mooneyes		
Goldeye.....	F	<i>Hiodon alosoides</i> (Rafinesque)
Mooneye.....	F	<i>Hiodon tergisus</i> LeSueur
Umbridae—mudminnows		
Alaska blackfish.....	F	<i>Dallia pectoralis</i> Bean
Olympic mudminnow.....	F	<i>Novumbra hubbsi</i> Schultz
Central mudminnow.....	F	<i>Umbra limi</i> (Kirtland)
Eastern mudminnow.....	F	<i>Umbra pygmaea</i> (DeKay)
Esocidae—pikes		
Redfin pickerel.....	F	<i>Esox americanus americanus</i> Gmelin
Grass pickerel.....	F	<i>Esox americanus vermiculatus</i> LeSueur
Chain pickerel.....	F	<i>Esox niger</i> LeSueur
Northern pike.....	F	<i>Esox lucius</i> Linnaeus
Muskellunge ⁴	F	<i>Esox masquinongy</i> Mitchill

¹ Sunapee trout, blueback trout, and Quebec red trout are regarded by some authors as species distinct from the Arctic char.

² Most deepsea smelts are bathypelagic; few enter water less than 100 fathoms deep.

³ Bathypelagic fishes of which one species has been recorded as a straggler in our area.

⁴ Spelled maskinonge in Ontario and Quebec.

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
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ORDER MYCTOPHIFORMES (INIOMI)

Synodontidae—lizardfishes

Largescale lizardfish.....	A	<i>Saurida brasiliensis</i> Norman
Smallscale lizardfish.....	A	<i>Saurida caribbaea</i> Breder
Shortjaw lizardfish.....	A	<i>Saurida normani</i> Longley
Inshore lizardfish.....	A	<i>Synodus foetens</i> (Linnaeus)
Sand diver.....	A	<i>Synodus intermedius</i> (Agassiz)
California lizardfish.....	P	<i>Synodus lucioceps</i> (Ayres)
Offshore lizardfish.....	A	<i>Synodus poeyi</i> Jordan
Red lizardfish.....	A	<i>Synodus synodus</i> (Linnaeus)
Snakefish.....	A	<i>Trachinocephalus myops</i> (Forster)

Scopelarchidae—pearleyes

Northern pearleye.....	P	<i>Neoscopelarchoides dentatus</i> Chapman
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Myctophidae—lanternfishes

The many species of lanternfishes are chiefly bathypelagic, but occasional stragglers are found over the continental shelf.

Alepisauridae—lancetfishes

Longnose lancetfish.....	A	<i>Alepisaurus ferox</i> Lowe
Pacific lancetfish.....	P	<i>Alepisaurus richardsoni</i> Bleeker

ORDER CYPRINIFORMES (OSTARIOPHYSI)

Characidae—characins and tetras

Mexican tetra.....	F	<i>Astyanax mexicanus</i> (Filippi)
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Cyprinidae—minnows and carps

Chiselmouth.....	F	<i>Acrocheilus alutaceus</i> Agassiz and Pickering
Longfin dace.....	F	<i>Agosia chrysoaster</i> Girard
Stoneroller.....	F	<i>Campostoma anomalum</i> (Rafinesque)
Mexican stoneroller.....	F	<i>Campostoma ornatum</i> Girard
Goldfish.....	F	<i>Carassius auratus</i> (Linnaeus)
Northern redbelly dace.....	F	<i>Chrosomus eos</i> Cope
Southern redbelly dace.....	F	<i>Chrosomus erythrogaster</i> (Rafinesque)
Finescale dace.....	F	<i>Chrosomus neogaeus</i> (Cope)
Mountain redbelly dace.....	F	<i>Chrosomus oreas</i> Cope
Redside dace.....	F	<i>Clinostomus elongatus</i> (Kirtland)
Rosyside dace.....	F	<i>Clinostomus funduloides</i> Girard
Carp.....	F	<i>Cyprinus carpio</i> Linnaeus
Devils River minnow.....	F	<i>Dionda diaboli</i> Hubbs and Brown
Roundnose minnow.....	F	<i>Dionda episcopa</i> Girard
Ozark minnow.....	F	<i>Dionda nubilata</i> (Forbes)
Desert dace.....	F	<i>Eremichthys aecos</i> Hubbs and Miller
Silverjaw minnow.....	F	<i>Ericymba buccata</i> Cope
Cutlips minnow.....	F	<i>Exoglossum maxillingua</i> (LeSueur)
Utah chub.....	F	<i>Gila atraria</i> (Girard)
Blue chub.....	F	<i>Gila bicolor</i> (Girard)
Thicktail chub.....	F	<i>Gila crassicauda</i> (Baird and Girard)
Humpback chub.....	F	<i>Gila cypha</i> Miller

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Sonora chub	F	<i>Gila ditaenia</i> Miller
Rio Grande chub	F	<i>Gila nigrescens</i> (Girard)
Arroyo chub	F	<i>Gila orcutti</i> (Eigenmann and Eigenmann)
Yaqui chub	F	<i>Gila purpurea</i> (Girard)
Bonytail	F	<i>Gila robusta</i> Baird and Girard
Flame chub	F	<i>Hemitemria flammea</i> (Jordan and Gilbert)
California roach	F	<i>Hesperoleucus symmetricus</i> (Baird and Girard)
Brassy minnow	F	<i>Hybognathus hankinsoni</i> Hubbs
Cypress minnow	F	<i>Hybognathus hayi</i> Jordan
Silvery minnow	F	<i>Hybognathus nuchalis</i> Agassiz
Speckled chub	F	<i>Hybopsis</i> ¹ <i>aestivalis</i> (Girard)
Bigeye chub	F	<i>Hybopsis amblops</i> (Rafinesque)
Alabama chub	F	<i>Hybopsis bellica</i> (Girard)
Hornyhead chub	F	<i>Hybopsis biguttata</i> (Kirtland)
Slender chub	F	<i>Hybopsis cahni</i> Hubbs and Crowe
Oregon chub	F	<i>Hybopsis crameri</i> Snyder
Streamline chub	F	<i>Hybopsis dissimilis</i> (Kirtland)
Sturgeon chub	F	<i>Hybopsis gelida</i> (Girard)
Flathead chub	F	<i>Hybopsis gracilis</i> (Richardson)
Redeye chub	F	<i>Hybopsis harperi</i> (Fowler)
Highback chub	F	<i>Hybopsis hypsinotus</i> (Cope)
Blotched chub	F	<i>Hybopsis insignis</i> Hubbs and Crowe
Thicklip chub	F	<i>Hybopsis labrosa</i> (Cope)
Bluehead chub	F	<i>Hybopsis leptocephala</i> (Girard)
Sicklefin chub	F	<i>Hybopsis meeki</i> Jordan and Evermann
River chub	F	<i>Hybopsis micropogon</i> (Cope)
Spotfin chub	F	<i>Hybopsis monacha</i> (Cope)
Lake chub	F	<i>Hybopsis plumbea</i> (Agassiz)
Rosyface chub	F	<i>Hybopsis rubrifrons</i> (Jordan)
Silver chub	F	<i>Hybopsis storeriana</i> (Kirtland)
Gravel chub	F	<i>Hybopsis x-punctata</i> Hubbs and Crowe
Least chub	F	<i>Iotichthys phlegethontis</i> (Cope)
Hitch	F	<i>Lavinia exilicauda</i> Baird and Girard
Little Colorado spinedace	F	<i>Lepidomeda vittata</i> Cope
Spikedace	F	<i>Meda fulgida</i> Girard
Moapa dace	F	<i>Moapa coriacea</i> Hubbs and Miller
Peamouth	F	<i>Mylocheilus caurinus</i> (Richardson)
Hardhead	F	<i>Mylopharodon conocephalus</i> (Baird and Girard)
Golden shiner	F	<i>Notemigonus crysoleucas</i> (Mitchill)
White shiner	F	<i>Notropis albeolus</i> Jordan
Whitemouth shiner	F	<i>Notropis alborus</i> Hubbs and Raney
Highfin shiner	F	<i>Notropis altipinnis</i> (Cope)
Texas shiner	F	<i>Notropis amabilis</i> (Girard)
Pallid shiner	F	<i>Notropis annis</i> Hubbs and Greene
Comely shiner	F	<i>Notropis amoenus</i> (Abbott)
Satinfin shiner	F	<i>Notropis analostanus</i> (Girard)
Pugnose shiner	F	<i>Notropis anogenus</i> Forbes
Rosefin shiner	F	<i>Notropis ardens</i> (Cope)
Popeye shiner	F	<i>Notropis ariommus</i> (Cope)
Burrhead shiner	F	<i>Notropis asperifrons</i> Suttkus and Raney
Emerald shiner	F	<i>Notropis atherinoides</i> Rafinesque

¹ The genus *Hybopsis* is here employed to include species referred by some authors to *Couesius*, *Erimystax*, *Extrarius*, *Macrhybopsis*, *Nocomis*, *Oregonichthys*, and *Platygnathus*.

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Blackspot shiner	F	<i>Notropis atrocaudalis</i> Evermann
Rough shiner	F	<i>Notropis baileyi</i> Suttkus and Raney
Red River shiner	F	<i>Notropis bairdi</i> Hubbs and Ortenburger
Pretty shiner	F	<i>Notropis bellus</i> (Hay)
Bridle shiner	F	<i>Notropis bifrenatus</i> (Cope)
River shiner	F	<i>Notropis blenniuis</i> (Girard)
Bigeye shiner	F	<i>Notropis boops</i> Gilbert
Tamaulipas shiner	F	<i>Notropis braytoni</i> Jordan and Evermann
Brazos shiner	F	<i>Notropis brazosensis</i> Hubbs and Bonham
Smalleye shiner	F	<i>Notropis buccula</i> Cross
Ghost shiner	F	<i>Notropis buechanani</i> Meek
Blue shiner	F	<i>Notropis caeruleus</i> (Jordan)
Oemulgee shiner	F	<i>Notropis callisema</i> (Jordan)
Alabama shiner	F	<i>Notropis callistius</i> (Jordan)
Bluestripe shiner	F	<i>Notropis callitaenia</i> Bailey and Gibbs
Bluntnose shiner	F	<i>Notropis camurus</i> (Jordan and Meek)
Crescent shiner	F	<i>Notropis cerasinus</i> (Cope)
Ironcolor shiner	F	<i>Notropis chalybaeus</i> (Cope)
Chihuahua shiner	F	<i>Notropis chihuahua</i> Woolman
Redlip shiner	F	<i>Notropis chiliticus</i> (Cope)
Greenfin shiner	F	<i>Notropis chloristius</i> (Jordan and Brayton)
Greenhead shiner	F	<i>Notropis chlorocephalus</i> (Cope)
Rainbow shiner	F	<i>Notropis chrosomus</i> (Jordan)
Warpaint shiner	F	<i>Notropis coccogenis</i> (Cope)
Common shiner	F	<i>Notropis cornutus</i> (Mitchill)
Dusky shiner	F	<i>Notropis cummingsae</i> Myers
Bigmouth shiner	F	<i>Notropis dorsalis</i> (Agassiz)
Broadstripe shiner	F	<i>Notropis euryzonus</i> Suttkus
Ribbon shiner	F	<i>Notropis fumeus</i> Evermann
Whitetail shiner	F	<i>Notropis galacturus</i> (Cope)
Arkansas River shiner	F	<i>Notropis girardi</i> Hubbs and Ortenburger
Wedgespot shiner	F	<i>Notropis greenei</i> Hubbs and Ortenburger
Blackchin shiner	F	<i>Notropis heterodon</i> (Cope)
Blacknose shiner	F	<i>Notropis heterolepis</i> Eigenmann and Eigenmann
Spottail shiner	F	<i>Notropis hudsonius</i> (Clinton)
Sailfin shiner	F	<i>Notropis hypselopterus</i> (Günther)
Highscale shiner	F	<i>Notropis hypsilepis</i> Suttkus and Raney
Silverband shiner	F	<i>Notropis illecebrosus</i> (Girard)
Rio Grande shiner	F	<i>Notropis jemezianus</i> (Cope)
Ohoopee shiner	F	<i>Notropis leedsii</i> Fowler
Plateau shiner	F	<i>Notropis lepidus</i> (Girard)
Tennessee shiner	F	<i>Notropis leuciodus</i> (Cope)
Mountain shiner	F	<i>Notropis lirus</i> (Jordan)
Longnose shiner	F	<i>Notropis longirostris</i> (Hay)
Yellowfin shiner	F	<i>Notropis lutipinnis</i> (Jordan and Brayton)
Red shiner	F	<i>Notropis lutrensis</i> (Baird and Girard)
Taillight shiner	F	<i>Notropis maculatus</i> (Hay)
Pinewoods shiner	F	<i>Notropis matulinus</i> (Cope)
Whitefin shiner	F	<i>Notropis niveus</i> (Cope)
Kiamichi shiner	F	<i>Notropis ortenburgeri</i> Hubbs
Sharpnose shiner	F	<i>Notropis oxyrhynchus</i> Hubbs and Bonham
Ozark shiner	F	<i>Notropis ozarcanus</i> Meek
Plains shiner	F	<i>Notropis percbromus</i> (Cope)
Colorless shiner	F	<i>Notropis perpallidus</i> Hubbs and Black

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Coastal shiner	F	<i>Notropis petersoni</i> Fowler
Silver shiner	F	<i>Notropis photogenis</i> (Cope)
Chub shiner	F	<i>Notropis potteri</i> Hubbs and Bonham
Swallowtail shiner	F	<i>Notropis procne</i> (Cope)
Proserpine shiner	F	<i>Notropis proserpinus</i> (Girard)
Fieryblack shiner	F	<i>Notropis pyrrhomelas</i> (Cope)
Cherryfin shiner	F	<i>Notropis roseipinnis</i> (Hay)
Rosyface shiner	F	<i>Notropis rubellus</i> (Agassiz)
Saffron shiner	F	<i>Notropis rubricroceus</i> (Cope)
Sabine shiner	F	<i>Notropis sabinæ</i> Jordan and Gilbert
New River shiner	F	<i>Notropis scabriceps</i> (Cope)
Sandbar shiner	F	<i>Notropis scepticus</i> (Jordan and Gilbert)
Flagfin shiner	F	<i>Notropis signipinnis</i> Bailey and Suttkus
Bluntnose shiner	F	<i>Notropis simus</i> (Cope)
Mirror shiner	F	<i>Notropis spectrunculus</i> (Cope)
Spotfin shiner	F	<i>Notropis spilopterus</i> (Cope)
Silverstripe shiner	F	<i>Notropis stilbius</i> (Jordan)
Sand shiner	F	<i>Notropis stramineus</i> (Cope)
Weed shiner	F	<i>Notropis texanus</i> (Girard)
Topeka shiner	F	<i>Notropis topeka</i> Gilbert
Tricolor shiner	F	<i>Notropis trichroistius</i> (Jordan and Gilbert)
Redfin shiner	F	<i>Notropis umbratilis</i> (Girard)
Stargazing shiner	F	<i>Notropis uranoscopus</i> Suttkus
Blacktail shiner	F	<i>Notropis venustus</i> (Girard)
Mimic shiner	F	<i>Notropis volucellus</i> (Cope)
Bluenose shiner	F	<i>Notropis welaka</i> Evermann and Kendall
Steelcolor shiner	F	<i>Notropis whipplei</i> (Girard)
Coosa shiner	F	<i>Notropis xaenocephalus</i> (Jordan)
Altamaha shiner	F	<i>Notropis xaenurus</i> (Jordan)
Bleeding shiner	F	<i>Notropis zonatus</i> (Agassiz)
Bandfin shiner	F	<i>Notropis zonistius</i> (Jordan)
Pugnose minnow	F	<i>Opsopoeodus emiliae</i> Hay
Sacramento blackfish	F	<i>Orthodon microlepidotus</i> (Ayles)
Tonguetied minnow	F	<i>Parexoglossum lauræ</i> Hubbs
Riffle minnow	F	<i>Phenacobius catostomus</i> Jordan
Suckermouth minnow	F	<i>Phenacobius mirabilis</i> (Girard)
Kanawha minnow	F	<i>Phenacobius teretulus</i> Cope
Stargazing minnow	F	<i>Phenacobius uranops</i> Cope
Bluntnose minnow	F	<i>Pimephales notatus</i> (Rafinesque)
Fathead minnow	F	<i>Pimephales promelas</i> Rafinesque
Slim minnow	F	<i>Pimephales tenellus</i> (Girard)
Bullhead minnow	F	<i>Pimephales vigilax</i> (Baird and Girard)
Woundfin	F	<i>Plagopterus argentissimus</i> Cope
Splittail	F	<i>Pogonichthys macrolepidotus</i> (Ayles)
Sacramento squawfish	F	<i>Ptychocheilus grandis</i> (Ayles)
Colorado squawfish	F	<i>Ptychocheilus lucius</i> Girard
Northern squawfish	F	<i>Ptychocheilus oregonensis</i> (Richardson)
Umpqua squawfish	F	<i>Ptychocheilus umpquæ</i> Snyder
Blacknose dace	F	<i>Rhinichthys atratulus</i> (Hermann)
Longnose dace	F	<i>Rhinichthys cataractæ</i> (Valenciennes)
Umpqua dace	F	<i>Rhinichthys evermanni</i> Snyder
Leopard dace	F	<i>Rhinichthys falcatus</i> (Eigenmann and Eigenmann)
Speckled dace	F	<i>Rhinichthys osculus</i> (Girard)
Bitterling	F	<i>Rhodeus sericeus</i> (Pallas)

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Redside shiner.....	F	<i>Richardsonius balteatus</i> (Richardson)
Lahontan redbside.....	F	<i>Richardsonius egregius</i> (Girard)
Rudd.....	F	<i>Scardinius erythrophthalmus</i> (Linnaeus)
Creek chub.....	F	<i>Semotilus atromaculatus</i> (Mitchill)
Fallfish.....	F	<i>Semotilus corporalis</i> (Mitchill)
Pearl dace.....	F	<i>Semotilus margarita</i> (Cope)
Tui chub.....	F	<i>Siphateles bicolor</i> (Girard)
Mohave chub.....	F	<i>Siphateles mohavensis</i> Snyder
Leatherside chub.....	F	<i>Snyderichthys copei</i> (Jordan and Gilbert)
Loach minnow.....	F	<i>Tiaroga cobitis</i> Girard
Tench.....	F	<i>Tinca tinca</i> (Linnaeus)

Catostomidae—suckers

River carpsucker.....	F	<i>Carpiodes carpio</i> (Rafinesque)
Quillback.....	F	<i>Carpiodes cyprinus</i> (LeSueur)
Plains carpsucker.....	F	<i>Carpiodes forbesi</i> Hubbs
Highfin carpsucker.....	F	<i>Carpiodes velifer</i> (Rafinesque)
Utah sucker.....	F	<i>Catostomus ardens</i> Jordan and Gilbert
Longnose sucker.....	F	<i>Catostomus catostomus</i> (Forster)
Bridgelip sucker.....	F	<i>Catostomus columbianus</i> (Eigenmann and Eigenmann)
White sucker.....	F	<i>Catostomus commersoni</i> (Lacépède)
Webbug sucker.....	F	<i>Catostomus fecundus</i> Cope and Yarrow
Sonora sucker.....	F	<i>Catostomus insignis</i> Baird and Girard
Flannelmouth sucker.....	F	<i>Catostomus latipinnis</i> Baird and Girard
Lost River sucker.....	F	<i>Catostomus luzatus</i> (Cope)
Largescale sucker.....	F	<i>Catostomus macrocheilus</i> Girard
Modoc sucker.....	F	<i>Catostomus microps</i> Rutter
Sacramento sucker.....	F	<i>Catostomus occidentalis</i> Ayres
Klamath smallscale sucker.....	F	<i>Catostomus rimiculus</i> Gilbert and Snyder
Klamath largescale sucker.....	F	<i>Catostomus snyderi</i> Gilbert
Tahoe sucker.....	F	<i>Catostomus tahoensis</i> Gill and Jordan
Warner sucker.....	F	<i>Catostomus warnerensis</i> Snyder
Shortnose sucker.....	F	<i>Chasmistes brevisrostris</i> Cope
Cui-ui ¹	F	<i>Chasmistes cujus</i> Cope
June sucker.....	F	<i>Chasmistes liorus</i> Jordan
Blue sucker.....	F	<i>Cycleptus elongatus</i> (LeSueur)
Creek chubsucker.....	F	<i>Erimyzon oblongus</i> (Mitchill)
Lake chubsucker.....	F	<i>Erimyzon sucetta</i> (Lacépède)
Sharpfin chubsucker.....	F	<i>Erimyzon tenuis</i> (Agassiz)
Alabama hog sucker.....	F	<i>Hypentelium etowanum</i> (Jordan)
Northern hog sucker.....	F	<i>Hypentelium nigricans</i> (LeSueur)
Roanoke hog sucker.....	F	<i>Hypentelium roanokense</i> Raney and Lachner
Smallmouth buffalo.....	F	<i>Ictiobus bubalus</i> (Rafinesque)
Bigmouth buffalo.....	F	<i>Ictiobus cyprinellus</i> (Valenciennes)
Black buffalo.....	F	<i>Ictiobus niger</i> (Rafinesque)
Harelip sucker.....	F	<i>Lagochila lacera</i> Jordan and Brayton
Spotted sucker.....	F	<i>Minytrema melanops</i> (Rafinesque)
Silver redbhorse.....	F	<i>Moxostoma anisurum</i> (Rafinesque)
Bigeye jumprock.....	F	<i>Moxostoma ariommum</i> Robins and Raney
Blackfin sucker.....	F	<i>Moxostoma atripinne</i> Bailey

¹ Pronounced kwef-wee.

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Shorthead redhorse.....	F	<i>Moxostoma breviceps</i> (Cope)
River redhorse.....	F	<i>Moxostoma carinatum</i> (Cope)
Black jumprock.....	F	<i>Moxostoma cervinum</i> (Cope)
V-lip redhorse.....	F	<i>Moxostoma collapsum</i> (Cope)
Gray redhorse.....	F	<i>Moxostoma congestum</i> (Baird and Girard)
Carolina redhorse.....	F	<i>Moxostoma coregonus</i> (Cope)
Black redhorse.....	F	<i>Moxostoma duquesnei</i> (LeSueur)
Golden redhorse.....	F	<i>Moxostoma erythrurum</i> (Rafinesque)
Rustyside sucker.....	F	<i>Moxostoma hamiltoni</i> (Raney and Lachner)
Copper redhorse.....	F	<i>Moxostoma hubbsi</i> Legendre
Greater jumprock.....	F	<i>Moxostoma lachneri</i> Robins and Raney
Neuse redhorse.....	F	<i>Moxostoma lachrymale</i> (Cope)
Northern redhorse.....	F	<i>Moxostoma macrolepidotum</i> (LeSueur)
Suckermouth redhorse.....	F	<i>Moxostoma pappillosum</i> (Cope)
Blacktail redhorse.....	F	<i>Moxostoma poecilurum</i> (Jordan)
Torrent sucker.....	F	<i>Moxostoma rathoecum</i> (Thoburn)
Smallfin redhorse.....	F	<i>Moxostoma robustum</i> (Cope)
Striped jumprock.....	F	<i>Moxostoma rupiscartes</i> Jordan and Jenkins
Greater redhorse.....	F	<i>Moxostoma valenciennesi</i> Jordan
Gila sucker.....	F	<i>Pantosteus clarki</i> (Baird and Girard)
Bluehead sucker.....	F	<i>Pantosteus delphinus</i> (Cope)
White River sucker.....	F	<i>Pantosteus intermedius</i> (Tanner)
Mountain sucker.....	F	<i>Pantosteus platyrhynchus</i> (Cope)
Rio Grande sucker.....	F	<i>Pantosteus plebeius</i> (Baird and Girard)
Lahontan sucker.....	F	<i>Pantosteus lahontan</i> Rutter
Santa Ana sucker.....	F	<i>Pantosteus santaanae</i> Snyder
Green sucker.....	F	<i>Pantosteus virescens</i> Cope
Humpback sucker.....	F	<i>Xyrauchen texanus</i> (Abbott)
Cobitidae—loaches		
Oriental weatherfish.....	F	<i>Misgurnus anguillicaudatus</i> (Cantor)
Ariidae—sea catfishes		
Gafftopsail catfish.....	A	<i>Bagre marinus</i> (Mitchill)
Sea catfish.....	A	<i>Galeichthys felis</i> (Linnaeus)
Ictaluridae—freshwater catfishes		
White catfish.....	F	<i>Ictalurus catus</i> (Linnaeus)
Blue catfish.....	F	<i>Ictalurus furcatus</i> (LeSueur)
Headwater catfish.....	F	<i>Ictalurus lupus</i> (Girard)
Black bullhead.....	F	<i>Ictalurus melas</i> (Rafinesque)
Yellow bullhead.....	F	<i>Ictalurus natalis</i> (LeSueur)
Brown bullhead.....	F	<i>Ictalurus nebulosus</i> (LeSueur)
Flat bullhead.....	F	<i>Ictalurus platycephalus</i> (Girard)
Yaqui catfish.....	F	<i>Ictalurus pricei</i> (Rutter)
Channel catfish.....	F	<i>Ictalurus punctatus</i> (Rafinesque)
Mountain madtom.....	F	<i>Noturus eleutherus</i> Jordan
Slender madtom.....	F	<i>Noturus exilis</i> Nelson
Stonecat.....	F	<i>Noturus flavus</i> Rafinesque
Black madtom.....	F	<i>Noturus funebris</i> Gilbert and Swain
Carolina madtom.....	F	<i>Noturus furiosus</i> Jordan and Meek
Orangefin madtom.....	F	<i>Noturus gilberti</i> Jordan and Evermann
Tadpole madtom.....	F	<i>Noturus gyrinus</i> (Mitchill)

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Least madtom	F	<i>Noturus hildebrandi</i> (Bailey and Taylor)
Margined madtom	F	<i>Noturus insignis</i> (Richardson)
Speckled madtom	F	<i>Noturus leptacanthus</i> Jordan
Brindled madtom	F	<i>Noturus miurus</i> Jordan
Freckled madtom	F	<i>Noturus nocturnus</i> Jordan and Gilbert
Flathead catfish	F	<i>Pylodictis olivaris</i> (Rafinesque)
Widemouth blindcat	F	<i>Satan eurystomus</i> Hubbs and Bailey
Toothless blindcat	F	<i>Trogloglanis pattersoni</i> Eigenmann

ORDER ANGUILLIFORMES (APODES)

Anguillidae—freshwater eels

American eel	A-F	<i>Anguilla rostrata</i> (LeSueur)
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Muraenidae—morays

Pygmy moray	A	<i>Anarchias yoshiae</i> Kanazawa
Chain moray	A	<i>Echidna catenata</i> (Bloch)
Viper moray	A	<i>Enchelycore nigricans</i> (Bonnaterre)
Green moray	A	<i>Gymnothorax funebris</i> Ranzani
California moray	P	<i>Gymnothorax mordax</i> (Ayres)
Spotted moray	A	<i>Gymnothorax moringa</i> (Cuvier)
Blackedge moray	A	<i>Gymnothorax nigromarginatus</i> (Girard)
Purplemouth moray	A	<i>Gymnothorax vicinus</i> (Castelnau)
Goldentail moray	A	<i>Muraena miliaris</i> (Kaup)
Reticulate moray	A	<i>Muraena retifera</i> Goode and Bean

Nemichthyidae—snipe eels

Fishes of this family inhabit the deep seas and thus are not members of the fauna covered in this list.

Congridae—conger eels

Bandtooth conger	A	<i>Ariosoma impressa</i> (Poey)
Margintail conger	A	<i>Conger caudilimbatus</i> (Poey)
Conger eel	A	<i>Conger oceanicus</i> (Mitchill)
Manytooth conger	A	<i>Conger triporiceps</i> Kanazawa
Yellow conger	A	<i>Congrina flava</i> (Goode and Bean)
Whiptail conger	A	<i>Congrina gracilior</i> Ginsburg
Silver conger	A	<i>Hoplunnis macrurus</i> Ginsburg
Slender pike eel	A	<i>Neoconger mucronatus</i> Girard
Catalina conger	P	<i>Rhynchocymba catalinensis</i> Wade

Ophichthidae—snake eels

Key worm eel	A	<i>Ahlia egmontis</i> (Jordan)
Whip eel	A	<i>Bascanichthys scuticaris</i> (Goode and Bean)
Sooty eel	A	<i>Bascanichthys teres</i> (Goode and Bean)
Surf eel	A	<i>Caecula conklini</i> (Eigenmann)
Blotched snake eel	A	<i>Callechelys muraena</i> Jordan and Evermann
Shorttail snake eel	A	<i>Callechelys perryae</i> Storey
Ridgefin eel	A	<i>Cryptopterygium holochroma</i> Ginsburg
Horsehair eel	A	<i>Gordiichthys irretitus</i> Jordan and Davis
Thread eel	A	<i>Gordiichthys springeri</i> Ginsburg
California worm eel	P	<i>Hesperomyrus fryi</i> Myers and Storey
Sailfin eel	A	<i>Letharchus velifer</i> Goode and Bean
Sharptail eel	A	<i>Myrichthys acuminatus</i> (Gronow)

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Goldspotted eel.....	A	<i>Myrichthys oculatus</i> (Kaup)
Tiger snake eel.....	P	<i>Myrichthys tigrinus</i> Girard
Speckled worm eel.....	A	<i>Myrophis punctatus</i> Lütken
Spotted spoon-nose eel.....	A	<i>Mystriophis intertinctus</i> (Richardson)
Snapper eel.....	A	<i>Mystriophis mordax</i> (Poey)
Stippled spoon-nose eel.....	A	<i>Mystriophis punctifer</i> (Kaup)
Shrimp eel.....	A	<i>Ophichthus gomesi</i> (Castelnaud)
Palespotted eel.....	A	<i>Ophichthus ocellatus</i> (LeSueur)
Spotted snake eel.....	A	<i>Ophichthus ophis</i> (Linnaeus)
Pacific snake eel.....	P	<i>Ophichthus triserialis</i> (Kaup)
Yellow snake eel.....	P	<i>Ophichthus zophochir</i> (Jordan and Gilbert)
Finless eel.....	A	<i>Verma kendalli</i> (Gilbert)
Dysommidae—mustard eels		
Mustard eel.....	A	<i>Dysomma aphododera</i> Ginsburg
ORDER NOTACANTHIFORMES (HETEROMI)		
Notacanthidae—spiny eels		
Spiny eel.....	A	<i>Notacanthus nasus</i> Bloch
ORDER BELONIFORMES (SYNENTOGNATHI)		
Scomberesocidae—sauries		
Pacific saury.....	P	<i>Cololabis saira</i> (Brevoort)
Atlantic saury.....	A	<i>Scomberesox saurus</i> (Walbaum)
Belonidae—needlefishes		
Flat needlefish.....	A	<i>Ablennes hians</i> (Valenciennes)
Agujon.....	A	<i>Strongylura acus</i> (Lacépède)
California needlefish.....	P	<i>Strongylura exilis</i> (Girard)
Atlantic needlefish.....	A	<i>Strongylura marina</i> (Walbaum)
Redfin needlefish.....	A	<i>Strongylura notata</i> (Poey)
Houndfish.....	A	<i>Strongylura raphidoma</i> (Ranzani)
Timucu.....	A	<i>Strongylura timucu</i> (Walbaum)
Hemiramphidae—halfbeaks		
Hardhead halfbeak.....	A	<i>Chriodorus atherinoides</i> Goode and Bean
Flying halfbeak.....	A	<i>Euleptorhamphus velox</i> Poey
Ribbon halfbeak.....	P	<i>Euleptorhamphus viridis</i> (van Hasselt)
Balao.....	A	<i>Hemiramphus balao</i> LeSueur
Ballyhoo.....	A	<i>Hemiramphus brasiliensis</i> (Linnaeus)
Longfin halfbeak.....	P	<i>Hemiramphus saltator</i> Gilbert and Starks
California halfbeak.....	P	<i>Hyporhamphus rosae</i> (Jordan and Gilbert)
Halfbeak.....	A-P	<i>Hyporhamphus unifasciatus</i> (Ranzani)
Exocoetidae—flyingfishes		
California flyingfish.....	P	<i>Cypselurus californicus</i> (Cooper)
Clearwing flyingfish.....	A	<i>Cypselurus comatus</i> (Mitchill)
Margined flyingfish.....	A	<i>Cypselurus cyanopterus</i> (Valenciennes)
Bandwing flyingfish.....	A	<i>Cypselurus exsiliens</i> (Linnaeus)
Spotfin flyingfish.....	A	<i>Cypselurus furcatus</i> (Mitchill)
Atlantic flyingfish.....	A	<i>Cypselurus heterurus</i> (Rafinesque)

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Oceanic two-wing flyingfish.....	A	<i>Exocoetus obtusirostris</i> Günther
Tropical two-wing flyingfish.....	A	<i>Exocoetus volitans</i> Linnaeus
Sharpchin flyingfish.....	P	<i>Fodiator acutus</i> (Valenciennes)
Fourwing flyingfish.....	A	<i>Hirundichthys affinis</i> (Günther)
Smallwing flyingfish.....	A	<i>Oxyporhamphus micropterus</i> (Valenciennes)
Sailfin flyingfish.....	A	<i>Parexocoetus brachypterus</i> (Richardson)
Bluntnose flyingfish.....	A	<i>Prognichthys gibbifrons</i> (Valenciennes)
Blackwing flyingfish.....	P	<i>Prognichthys rondeleti</i> (Valenciennes)

ORDER CYPRINODONTIFORMES (MICROCYPRINI)

Cyprinodontidae—killifishes

Diamond killifish.....	A	<i>Adinia xenica</i> (Jordan and Gilbert)
White River killifish.....	F	<i>Crenichthys baileyi</i> (Gilbert)
Railroad Valley killifish.....	F	<i>Crenichthys nevadae</i> Hubbs
Leon Springs pupfish.....	F	<i>Cyprinodon bovinus</i> Baird and Girard
Devils Hole pupfish.....	F	<i>Cyprinodon diabolis</i> Wales
Comanche Springs pupfish.....	F	<i>Cyprinodon elegans</i> Baird and Girard
Lake Eustis minnow.....	F	<i>Cyprinodon hubbsi</i> Carr
Desert pupfish.....	F	<i>Cyprinodon macularius</i> Baird and Girard
Nevada pupfish.....	F	<i>Cyprinodon nevadensis</i> Eigenmann and Eigenmann
Owens River pupfish.....	F	<i>Cyprinodon radiosus</i> Miller
Red River pupfish.....	F	<i>Cyprinodon rubrofluvialis</i> Fowler
Salt Creek pupfish.....	F	<i>Cyprinodon salinus</i> Miller
Sheepshead minnow.....	A-F	<i>Cyprinodon variegatus</i> Lacépède
Pahrump killifish.....	F	<i>Empetrichthys latos</i> Miller
Ash Meadows killifish.....	F	<i>Empetrichthys merriami</i> Gilbert
Goldspotted killifish.....	A	<i>Floridichthys carpio</i> (Günther)
Whiteline topminnow.....	F	<i>Fundulus albolineatus</i> Gilbert
Northern studfish.....	F	<i>Fundulus catenatus</i> (Storer)
Golden topminnow.....	F	<i>Fundulus chrysotus</i> (Günther)
Banded topminnow.....	F	<i>Fundulus cingulatus</i> Valenciennes
Marsh killifish.....	A-F	<i>Fundulus confluentus</i> Goode and Bean
Banded killifish.....	F	<i>Fundulus diaphanus</i> (LeSueur)
Gulf killifish.....	A	<i>Fundulus grandis</i> Baird and Girard
Mummichog.....	A-F	<i>Fundulus heteroclitus</i> (Linnaeus)
Saltmarsh topminnow.....	A-F	<i>Fundulus jenkinsi</i> (Evermann)
Plains killifish.....	F	<i>Fundulus kansae</i> Garman
Spotfin killifish.....	A	<i>Fundulus luciae</i> (Baird)
Striped killifish.....	A	<i>Fundulus majalis</i> (Walbaum)
Blackstripe topminnow.....	F	<i>Fundulus notatus</i> (Rafinesque)
Starhead topminnow.....	F	<i>Fundulus notti</i> (Agassiz)
Blackspotted topminnow.....	F	<i>Fundulus olivaceus</i> (Storer)
California killifish.....	P-F	<i>Fundulus parvipinnis</i> Girard
Bayou killifish.....	A-F	<i>Fundulus pulvereus</i> (Evermann)
Speckled killifish.....	F	<i>Fundulus rathbuni</i> Jordan and Meek
Plains topminnow.....	F	<i>Fundulus sciadicus</i> Cope
Seminole killifish.....	F	<i>Fundulus seminolis</i> Girard
Longnose killifish.....	A	<i>Fundulus similis</i> (Baird and Girard)
Southern studfish.....	F	<i>Fundulus stellifer</i> (Jordan)
Waccamaw killifish.....	F	<i>Fundulus waccamensis</i> Hubbs and Raney
Rio Grande killifish.....	F	<i>Fundulus zebrinus</i> Jordan and Gilbert
Flagfish.....	F	<i>Jordanella floridae</i> Goode and Bean

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Pygmy killifish.....	F	<i>Leptolucania ommata</i> (Jordan)
Bluefin killifish.....	F	<i>Lucania goodei</i> Jordan
Rainwater killifish.....	A-F	<i>Lucania parva</i> (Baird and Girard)
Rivulus.....	F	<i>Rivulus marmoratus</i> Poey

Poeciliidae—livebearers

Mosquitofish.....	A-F	<i>Gambusia affinis</i> (Baird and Girard)
Big Bend gambusia.....	F	<i>Gambusia gaigei</i> Hubbs
Largespring gambusia.....	F	<i>Gambusia geiseri</i> Hubbs and Hubbs
Clear Creek gambusia.....	F	<i>Gambusia heterochir</i> Hubbs
Pecos gambusia.....	F	<i>Gambusia nobilis</i> (Baird and Girard)
Blotched gambusia.....	F	<i>Gambusia senilis</i> Girard
Least killifish.....	F	<i>Heterandria formosa</i> Agassiz
Amazon molly.....	F	<i>Mollienesia formosa</i> (Girard)
Sailfin molly.....	A-F	<i>Mollienesia latipinna</i> LeSueur
Gila topminnow.....	F	<i>Poeciliopsis occidentalis</i> (Baird and Girard)

Amblyopsidae—cavefishes

Ozark cavefish.....	F	<i>Amblyopsis rosae</i> (Eigenmann)
Northern cavefish.....	F	<i>Amblyopsis spelaea</i> DeKay
Spring cavefish.....	F	<i>Chologaster agassizi</i> Putnam
Swampfish.....	F	<i>Chologaster cornuta</i> Agassiz
Southern cavefish.....	F	<i>Typhlichthys subterraneus</i> Girard

ORDER GADIFORMES (ANACANTHINI)

Gadidae—codfishes and hakes

Polar cod.....	A	<i>Arctogadus glacialis</i> (Peters)
Arctic cod.....	A-P	<i>Boreogadus saida</i> (Lepechin)
Cusk.....	A	<i>Brosme brosme</i> (Müller)
Saffron cod.....	P	<i>Eleginus gracilis</i> (Tilesius)
Fourbeard rockling.....	A	<i>Enchelyopus cimbrius</i> (Linnaeus)
Pacific cod.....	P	<i>Gadus macrocephalus</i> Tilesius
Atlantic cod.....	A	<i>Gadus morhua</i> Linnaeus
Greenland cod.....	A	<i>Gadus ogac</i> Richardson
Burbot.....	F	<i>Lota lota</i> (Linnaeus)
Haddock.....	A	<i>Melanogrammus aeglefinus</i> (Linnaeus)
Silver hake.....	A	<i>Merluccius bilinearis</i> (Mitchill)
Pacific hake.....	P	<i>Merluccius productus</i> (Ayres)
Pacific tomcod.....	P	<i>Microgadus proximus</i> (Girard)
Atlantic tomcod.....	A	<i>Microgadus tomcod</i> (Walbaum)
Longfin hake.....	A	<i>Phycis chesteri</i> Goode and Bean
Pollock.....	A	<i>Pollachius virens</i> (Linnaeus)
Walleye pollock.....	P	<i>Theragra chalcogrammus</i> (Pallas)
Squirrel hake.....	A	<i>Urophycis chuss</i> (Walbaum)
Gulf hake.....	A	<i>Urophycis cirratus</i> (Goode and Bean)
Carolina hake.....	A	<i>Urophycis earlli</i> Bean
Southern hake.....	A	<i>Urophycis floridanus</i> (Bean and Dresel)
Spotted hake.....	A	<i>Urophycis regius</i> (Walbaum)
White hake.....	A	<i>Urophycis tenuis</i> (Mitchill)

Macrouridae—grenadiers¹

Marlin-spike.....	A	<i>Nezumia bairdi</i> (Goode and Bean)
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¹ Most grenadiers, or rat-tails, live in deep water, but one species is found in Atlantic shore waters.

COMMON NAME OCCURRENCE SCIENTIFIC NAME

ORDER GASTEROSTEIFORMES (THORACOSTEI + HEMIBRANCHII + LOPHOBRANCHII + SOLENICHTHYES)

Gasterosteidae—sticklebacks

Fourspine stickleback.....	A-F	<i>Apeltes quadracus</i> (Mitchill)
Brook stickleback.....	F	<i>Eucalia inconstans</i> (Kirtland)
Threespine stickleback.....	A-F-P	<i>Gasterosteus aculeatus</i> Linnaeus
Twospine stickleback.....	A	<i>Gasterosteus wheatlandi</i> Putnam
Ninespine stickleback.....	A-F	<i>Pungitius pungitius</i> (Linnaeus)

Aulorhynchidae—tube-snouts

Tube-snout.....	P	<i>Aulorhynchus flavidus</i> Gill
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Aulostomidae—trumpetfishes

Trumpetfish.....	A	<i>Aulostomus maculatus</i> Valenciennes
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Fistulariidae—cornetfishes

Cornetfish.....	A	<i>Fistularia tabacaria</i> Linnaeus
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Centriscidae—snipefishes

Slender snipefish.....	A-P	<i>Macrorhamphosus gracilis</i> (Lowe)
Longspine snipefish.....	A	<i>Macrorhamphosus scolopax</i> (Linnaeus)

Syngnathidae—pipefishes and seahorses

Whitenose pipefish.....	A	<i>Corythoichthys albirostris</i> Heckel
Crested pipefish.....	A	<i>Corythoichthys brachycephalus</i> (Poey)
Swivelhead pipefish.....	P	<i>Dermatostethus punctipinnis</i> Gill
Spotted seahorse.....	A	<i>Hippocampus erectus</i> Perry
Pacific seahorse.....	P	<i>Hippocampus ingens</i> Girard
Offshore seahorse.....	A	<i>Hippocampus obtusus</i> Ginsburg
Dwarf seahorse.....	A	<i>Hippocampus zosterae</i> Jordan and Gilbert
Fringed pipefish.....	A	<i>Micrognathus crinigerus</i> (Bean and Dresel)
Insular pipefish.....	A	<i>Micrognathus crinitus</i> (Jenyns)
Banded pipefish.....	A	<i>Micrognathus vittatus</i> (Kaup)
Opossum pipefish.....	A	<i>Oostethus lineatus</i> (Kaup)
Snubnose pipefish.....	P	<i>Syngnathus arctus</i> (Jenkins and Evermann)
Barred pipefish.....	P	<i>Syngnathus auliscus</i> (Swain)
Kelp pipefish.....	P	<i>Syngnathus californiensis</i> Storer
Pugnose pipefish.....	A	<i>Syngnathus dunckeri</i> Metzelaar
Shortfin pipefish.....	A	<i>Syngnathus elucens</i> Poey
Dusky pipefish.....	A	<i>Syngnathus floridae</i> (Jordan and Gilbert)
Northern pipefish.....	A	<i>Syngnathus fuscus</i> Storer
Bay pipefish.....	P	<i>Syngnathus griseolineatus</i> Ayres
Chain pipefish.....	A	<i>Syngnathus louisianae</i> Günther
Sargassum pipefish.....	A	<i>Syngnathus pelagicus</i> Linnaeus
Gulf pipefish.....	A	<i>Syngnathus scovelli</i> (Evermann and Kendall)
Bull pipefish.....	A	<i>Syngnathus springeri</i> Herald

ORDER LAMPRIDIFORMES (ALLOTRIOGNATHI)

Lamprididae—opahs

Opah.....	A-P	<i>Lampris regius</i> (Bonnaterre)
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COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Stylephoridae—tube-eyes		
Tube-eye.....	A	<i>Stylephorus chordatus</i> Shaw
Lophotidae—crestfishes		
Crestfish.....	A-P	<i>Lophotus capellei</i> (Schlegel)
Regalecidae—oarfishes		
Oarfish.....	A-P	<i>Regalecus glesne</i> (Ascanius)
Trachipteridae—ribbonfishes		
Dealfish.....	A	<i>Trachipterus arcticus</i> (Brünnich)
Scalloped ribbonfish.....	A-P	<i>Trachipterus cristatus</i> Bonelli
Polka-dot ribbonfish.....	A-P	<i>Trachipterus polystictus</i> Ogilby
King-of-the-salmon.....	P	<i>Trachipterus trachypterus</i> (Gmelin)
ORDER BERYCIFORMES (BERYCOIDEI)		
Polymyiidae—beardfishes		
Beardfish.....	A	<i>Polymixia lowei</i> Günther
Holocentridae—squirrelfishes and soldierfishes		
Squirrelfish.....	A	<i>Holocentrus ascensionis</i> (Osbeck)
Deepwater squirrelfish.....	A	<i>Holocentrus bullisi</i> Woods
Reef squirrelfish.....	A	<i>Holocentrus coruscus</i> (Poey)
Longjaw squirrelfish.....	A	<i>Holocentrus marianus</i> (Cuvier)
Longspine squirrelfish.....	A	<i>Holocentrus rufus</i> (Walbaum)
Dusky squirrelfish.....	A	<i>Holocentrus vexillarius</i> (Poey)
Blackbar soldierfish.....	A	<i>Myripristis jacobus</i> Cuvier
Bigeye soldierfish.....	A	<i>Ostichthys trachypomus</i> (Günther)
Cardinal soldierfish.....	A	<i>Plectrypops retrospinis</i> (Guichenot)
ORDER PERCOPSIFORMES (SALMOPERCAE)		
Percopsidae—trout-perches		
Trout-perch.....	F	<i>Percopsis omiscomaycus</i> (Walbaum)
Sand roller.....	F	<i>Percopsis transmontana</i> (Eigenmann and Eigenmann)
Aphredoderidae—pirate perches		
Pirate perch.....	F	<i>Aphredoderus sayanus</i> (Gilliams)
ORDER ZEIFORMES (ZEOMORPHI)		
Zeidae—dories		
American John Dory.....	A	<i>Zenopsis ocellata</i> (Storer)
Caproidae—boarfishes		
Deepbody boarfish.....	A	<i>Antigonia capros</i> Lowe
Shortspine boarfish.....	A	<i>Antigonia combatia</i> Berry and Rathjen
ORDER PERCIFORMES (PERCOMORPHI; ACANTHOPTERYGII)		
Centropomidae—snooks		
Swordspine snook.....	A	<i>Centropomus ensiferus</i> Poey
Little snook.....	A	<i>Centropomus parallelus</i> Poey

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Tarpon snook	A	<i>Centropomus pectinatus</i> Poey
Snook	A	<i>Centropomus undecimalis</i> (Bloch)

Serranidae¹—sea basses

Mutton hamlet	A	<i>Alphestes afer</i> (Bloch)
Crimson bass	A	<i>Anthias asperilinguis</i> Günther
Southern sea bass	A	<i>Centropristes melanus</i> Ginsburg
Bank sea bass	A	<i>Centropristes ocyurus</i> (Jordan and Evermann)
Rock sea bass	A	<i>Centropristes philadelphicus</i> (Linnaeus)
Black sea bass	A	<i>Centropristes striatus</i> (Linnaeus)
Coney	A	<i>Cephalopholis fulva</i> (Linnaeus)
Marbled grouper	A	<i>Dermatolepis inermis</i> (Valenciennes)
Dwarf sand perch	A	<i>Diplectrum bivittatum</i> (Valenciennes)
Sand perch	A	<i>Diplectrum formosum</i> (Linnaeus)
Rock hind	A	<i>Epinephelus adscensionis</i> (Osbeck)
Spotted cabrilla	P	<i>Epinephelus analogus</i> Gill
Speckled hind	A	<i>Epinephelus drummondhayi</i> Goode and Bean
Yellowedge grouper	A	<i>Epinephelus flavolimbatus</i> Poey
Red hind	A	<i>Epinephelus guttatus</i> (Linnaeus)
Jewfish	A	<i>Epinephelus itajara</i> (Lichtenstein)
Red grouper	A	<i>Epinephelus morio</i> (Valenciennes)
Warsaw grouper	A	<i>Epinephelus nigritus</i> (Holbrook)
Snowy grouper	A	<i>Epinephelus niveatus</i> (Valenciennes)
Nassau grouper	A	<i>Epinephelus striatus</i> (Bloch)
Spanish flag	A	<i>Gonioplectrus hispanus</i> (Cuvier)
Longtail bass	A	<i>Hemanthias leptus</i> (Ginsburg)
Splittail bass	P	<i>Hemanthias peruanus</i> (Steindachner)
Red barbier	A	<i>Hemanthias vivanus</i> (Jordan and Swain)
Butter hamlet	A	<i>Hypoplectrus unicolor</i> (Walbaum)
Black grouper	A	<i>Mycteroperca bonaci</i> (Poey)
Gulf grouper	P	<i>Mycteroperca jordani</i> (Jenkins and Evermann)
Gag	A	<i>Mycteroperca microlepis</i> (Goode and Bean)
Scamp	A	<i>Mycteroperca phenax</i> Jordan and Swain
Tiger grouper	A	<i>Mycteroperca tigris</i> (Valenciennes)
Yellowfin grouper	A	<i>Mycteroperca venenosa</i> (Linnaeus)
Broomtail grouper	P	<i>Mycteroperca xenarcha</i> Jordan
Roughtongue bass	A	<i>Ocyanthias martinicensis</i> (Guichenot)
Blackear bass	A	<i>Paracentropristes pomospilus</i> Ginsburg
Kelp bass	P	<i>Paralabrax clathratus</i> (Girard)
Spotted sand bass	P	<i>Paralabrax maculatofasciatus</i> (Steindachner)
Sand bass	P	<i>Paralabrax nebulifer</i> (Girard)
Creole-fish	A	<i>Paranthias furcifer</i> (Valenciennes)
Graysby	A	<i>Petrometopon cruentatum</i> (Lacépède)
Yellowtail bass	A	<i>Pikea mexicana</i> Schultz
Wreckfish	A	<i>Polyprion americanus</i> (Bloch and Schneider)
Orangeback bass	A	<i>Prionodes annularis</i> (Günther)
Lantern bass	A	<i>Prionodes baldwini</i> Evermann and Marsh
Saddle bass	A	<i>Prionodes notospilus</i> (Longley)
Tattler	A	<i>Prionodes phoebe</i> (Poey)
Streamer bass	A	<i>Pronotogrammus aureorubens</i> Longley
Reef bass	A	<i>Pseudogrammus brederi</i> (Hildebrand)
White perch	A-F	<i>Roccus americanus</i> (Gmelin)

¹ In addition to the species listed, two are sufficiently important in the sport fishery near our area off Florida to warrant mention: misty grouper, *Epinephelus mystacinus* (Poey); yellowmouth grouper *Mycteroperca interstitialis* (Poey).

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
White bass.....	F	<i>Roccus chrysops</i> (Rafinesque)
Yellow bass.....	F	<i>Roccus mississippiensis</i> (Jordan and Eigenmann)
Striped bass.....	A-F-P	<i>Roccus saxatilis</i> (Walbaum)
Freckled soapfish.....	A	<i>Rypticus arenatus</i> Cuvier
Soapfish.....	A	<i>Rypticus saponaceus</i> (Bloch and Schneider)
Spotted soapfish.....	A	<i>Rypticus subbifrenatus</i> (Gill)
Belted sandfish.....	A	<i>Serranellus subligarius</i> (Cope)
Pygmy sea bass.....	A	<i>Serraniculus pumilio</i> Ginsburg
Chalk bass.....	A	<i>Serranus tortugarum</i> Longley
Giant sea bass.....	P	<i>Stereolepis gigas</i> Ayres

Lobotidae—tripletails

Tripletail.....	A	<i>Lobotes surinamensis</i> (Bloch)
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Lutjanidae—snappers

Black snapper.....	A	<i>Apsilus dentatus</i> Guichenot
Queen snapper.....	A	<i>Etelis oculatus</i> (Valenciennes)
Mutton snapper.....	A	<i>Lutjanus analis</i> (Cuvier)
Schoolmaster.....	A	<i>Lutjanus apodus</i> (Walbaum)
Red snapper.....	A	<i>Lutjanus blackfordi</i> Goode and Bean
Blackfin snapper.....	A	<i>Lutjanus buccanella</i> (Cuvier)
Caribbean red snapper.....	A	<i>Lutjanus campechanus</i> (Poey)
Cubera snapper.....	A	<i>Lutjanus cyanopterus</i> (Cuvier)
Gray snapper.....	A	<i>Lutjanus griseus</i> (Linnaeus)
Dog snapper.....	A	<i>Lutjanus jocu</i> (Bloch and Schneider)
Mahogany snapper.....	A	<i>Lutjanus mahogoni</i> (Cuvier)
Lane snapper.....	A	<i>Lutjanus synagris</i> (Linnaeus)
Silk snapper.....	A	<i>Lutjanus vivanus</i> (Cuvier)
Yellowtail snapper.....	A	<i>Ocyurus chrysurus</i> (Bloch)
Wenchman.....	A	<i>Pristipomoides andersoni</i> Ginsburg
Vermilion snapper.....	A	<i>Rhomboplites aurorubens</i> (Cuvier)

Priacanthidae—bigeyes

Bigeye.....	A	<i>Priacanthus arenatus</i> Cuvier
Glasseye snapper.....	A	<i>Priacanthus cruentatus</i> (Lacépède)
Short bigeye.....	A	<i>Pristigenys alta</i> (Gill)
Popeye catalufa.....	P	<i>Pristigenys serrula</i> (Gilbert)

Apogonidae—cardinalfishes

Bronze cardinalfish.....	A	<i>Apogon alutus</i> Jordan and Gilbert
Bridle cardinalfish.....	A	<i>Apogon aurolineatus</i> (Mowbray)
Barred cardinalfish.....	A	<i>Apogon binotatus</i> (Poey)
Freckled cardinalfish.....	A	<i>Apogon conklini</i> (Silvester)
Whitestar cardinalfish.....	A	<i>Apogon lachneri</i> Böhlke
Flamefish.....	A	<i>Apogon maculatus</i> (Poey)
Dusky cardinalfish.....	A	<i>Apogon pigmentarius</i> (Poey)
Pale cardinalfish.....	A	<i>Apogon planifrons</i> Longley and Hildebrand
Twospot cardinalfish.....	A	<i>Apogon pseudomaculatus</i> Longley
Sawcheek cardinalfish.....	A	<i>Apogon quadrisquamatus</i> Longley
Conchfish.....	A	<i>Apogon stellatus</i> (Cope)
Belted cardinalfish.....	A	<i>Apogon townsendi</i> (Breder)

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Centrarchidae—sunfishes		
Mud sunfish.....	F	<i>Acantharchus pomotis</i> (Baird)
Roanoke bass.....	F	<i>Ambloplites cavifrons</i> Cope
Rock bass.....	F	<i>Ambloplites rupestris</i> (Rafinesque)
Sacramento perch.....	F	<i>Archoplites interruptus</i> (Girard)
Flier.....	F	<i>Centrarchus macropterus</i> (Lacépède)
Warmouth.....	F	<i>Chaenobryttus gulosus</i> (Cuvier)
Everglades pygmy sunfish.....	F	<i>Elassoma evergladei</i> Jordan
Okefenokee pygmy sunfish.....	F	<i>Elassoma okefenokee</i> Böhlke
Banded pygmy sunfish.....	F	<i>Elassoma zonatum</i> Jordan
Blackbanded sunfish.....	F	<i>Enneacanthus chaetodon</i> (Baird)
Bluespotted sunfish.....	F	<i>Enneacanthus gloriosus</i> (Holbrook)
Banded sunfish.....	F	<i>Enneacanthus obesus</i> (Girard)
Redbreast sunfish.....	F	<i>Lepomis auritus</i> (Linnaeus)
Green sunfish.....	F	<i>Lepomis cyanellus</i> Rafinesque
Pumpkinseed.....	F	<i>Lepomis gibbosus</i> (Linnaeus)
Orangespotted sunfish.....	F	<i>Lepomis humilis</i> (Girard)
Bluegill.....	F	<i>Lepomis macrochirus</i> Rafinesque
Dollar sunfish.....	F	<i>Lepomis marginatus</i> (Holbrook)
Longear sunfish.....	F	<i>Lepomis megalotis</i> (Rafinesque)
Redear sunfish.....	F	<i>Lepomis microlophus</i> (Günther)
Spotted sunfish.....	F	<i>Lepomis punctatus</i> (Valenciennes)
Bantam sunfish.....	F	<i>Lepomis symmetricus</i> Forbes
Redeye bass.....	F	<i>Micropterus coosae</i> Hubbs and Bailey
Smallmouth bass.....	F	<i>Micropterus dolomieu</i> Lacépède
Suwannee bass.....	F	<i>Micropterus notius</i> Bailey and Hubbs
Spotted bass.....	F	<i>Micropterus punctulatus</i> (Rafinesque)
Largemouth bass.....	F	<i>Micropterus salmoides</i> (Lacépède)
Guadalupe bass.....	F	<i>Micropterus treculi</i> (Vaillant and Bocourt)
White crappie.....	F	<i>Pomoxis annularis</i> Rafinesque
Black crappie.....	F	<i>Pomoxis nigromaculatus</i> (LeSueur)
Percidae—perches		
Crystal darter.....	F	<i>Ammocrypta asprella</i> (Jordan)
Naked sand darter.....	F	<i>Ammocrypta beani</i> Jordan
Western sand darter.....	F	<i>Ammocrypta clara</i> Jordan and Meek
Eastern sand darter.....	F	<i>Ammocrypta pellucida</i> (Baird)
Scaly sand darter.....	F	<i>Ammocrypta vivax</i> Hay
Sharphead darter.....	F	<i>Etheostoma acuticeps</i> Bailey
Mud darter.....	F	<i>Etheostoma asprigene</i> (Forbes)
Cumberland snubnose darter.....	F	<i>Etheostoma atripinne</i> (Jordan)
Scalyhead darter.....	F	<i>Etheostoma barratti</i> (Holbrook)
Greenside darter.....	F	<i>Etheostoma blennioides</i> Rafinesque
Blenny darter.....	F	<i>Etheostoma blennius</i> Gilbert and Swain
Rainbow darter.....	F	<i>Etheostoma caeruleum</i> Storer
Bluebreast darter.....	F	<i>Etheostoma camurum</i> (Cope)
Bluntnose darter.....	F	<i>Etheostoma chlorosomum</i> (Hay)
Ashy darter.....	F	<i>Etheostoma cinereum</i> Storer
Carolina darter.....	F	<i>Etheostoma collis</i> (Hubbs and Cannon)
Coosa darter.....	F	<i>Etheostoma coosae</i> (Fowler)
Arkansas darter.....	F	<i>Etheostoma cragini</i> Gilbert
Blackside snubnose darter.....	F	<i>Etheostoma duryi</i> Henshall

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Brown darter	F	<i>Etheostoma edwini</i> (Hubbs and Cannon)
Arkansas saddled darter	F	<i>Etheostoma euzonum</i> (Hubbs and Black)
Iowa darter	F	<i>Etheostoma exile</i> (Girard)
Fantail darter	F	<i>Etheostoma flabellare</i> Rafinesque
Fountain darter	F	<i>Etheostoma fonticola</i> (Jordan and Gilbert)
Savannah darter	F	<i>Etheostoma fricksium</i> Hildebrand
Swamp darter	F	<i>Etheostoma fusiforme</i> (Girard)
Slough darter	F	<i>Etheostoma gracile</i> (Girard)
Rio Grande darter	F	<i>Etheostoma grahami</i> (Girard)
Tuckasegee darter	F	<i>Etheostoma gutselli</i> (Hildebrand)
Harlequin darter	F	<i>Etheostoma histrio</i> Jordan and Gilbert
Turquoise darter	F	<i>Etheostoma inscriptum</i> (Jordan and Brayton)
Blueside darter	F	<i>Etheostoma jessiae</i> (Jordan and Brayton)
Greenbreast darter	F	<i>Etheostoma jordani</i> Gilbert
Yoke darter	F	<i>Etheostoma juliae</i> Meek
Kanawha darter	F	<i>Etheostoma kanawhae</i> (Raney)
Stripetail darter	F	<i>Etheostoma kennicotti</i> (Putnam)
Greenthroat darter	F	<i>Etheostoma lepidum</i> (Baird and Girard)
Longfin darter	F	<i>Etheostoma longimanum</i> Jordan
Redband darter	F	<i>Etheostoma luteovinctum</i> Gilbert and Swain
Spotted darter	F	<i>Etheostoma maculatum</i> Kirtland
Pinewoods darter	F	<i>Etheostoma mariae</i> (Fowler)
Least darter	F	<i>Etheostoma microperca</i> Jordan and Gilbert
Niangua darter	F	<i>Etheostoma nianguae</i> Gilbert and Meek
Johnny darter	F	<i>Etheostoma nigrum</i> Rafinesque
Barcheek darter	F	<i>Etheostoma obeyense</i> Kirsch
Finescale saddled darter	F	<i>Etheostoma osburni</i> (Hubbs and Trautman)
Goldstripe darter	F	<i>Etheostoma parvipinne</i> Gilbert and Swain
Waccamaw darter	F	<i>Etheostoma perlongum</i> (Hubbs and Raney)
Riverweed darter	F	<i>Etheostoma podostemone</i> Jordan and Jenkins
Cypress darter	F	<i>Etheostoma procliare</i> (Hay)
Stippled darter	F	<i>Etheostoma punctulatum</i> (Agassiz)
Orangebelly darter	F	<i>Etheostoma radiosum</i> (Hubbs and Black)
Redline darter	F	<i>Etheostoma rufilineatum</i> (Cope)
Rock darter	F	<i>Etheostoma rupestre</i> Gilbert and Swain
Arrow darter	F	<i>Etheostoma sagitta</i> (Jordan and Swain)
Saluda darter	F	<i>Etheostoma saludae</i> (Hubbs and Cannon)
Maryland darter	F	<i>Etheostoma sellare</i> (Radcliffe and Welch)
Sawcheek darter	F	<i>Etheostoma serriferum</i> (Hubbs and Cannon)
Tennessee snubnose darter	F	<i>Etheostoma simoterum</i> (Cope)
Orangethroat darter	F	<i>Etheostoma spectabile</i> (Agassiz)
Spottail darter	F	<i>Etheostoma squamiceps</i> Jordan
Speckled darter	F	<i>Etheostoma stigmaeum</i> (Jordan)
Gulf darter	F	<i>Etheostoma swaini</i> (Jordan)
Swannanoa darter	F	<i>Etheostoma swannanoa</i> Jordan and Evermann
Missouri saddled darter	F	<i>Etheostoma tetrazonum</i> (Hubbs and Black)
Seagreen darter	F	<i>Etheostoma thalassinum</i> (Jordan and Brayton)
Tippecanoe darter	F	<i>Etheostoma tippecanoe</i> Jordan and Evermann
Tuseumbia darter	F	<i>Etheostoma tuscumbia</i> Gilbert and Swain
Variagate darter	F	<i>Etheostoma variatum</i> Kirtland
Striped darter	F	<i>Etheostoma virgatum</i> (Jordan)
Glassy darter	F	<i>Etheostoma vitreum</i> (Cope)
Redfin darter	F	<i>Etheostoma whipplei</i> (Girard)
Banded darter	F	<i>Etheostoma zonale</i> (Cope)

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Backwater darter	F	<i>Etheostoma zoniferum</i> (Hubbs and Cannon)
Yellow perch	F	<i>Perca flavescens</i> (Mitchill)
Yellow darter	F	<i>Percina aurantiaca</i> (Cope)
Logperch	F	<i>Percina caprodes</i> (Rafinesque)
Channel darter	F	<i>Percina copelandi</i> (Jordan)
Piedmont darter	F	<i>Percina crassa</i> (Jordan and Brayton)
Bluestripe darter	F	<i>Percina cymatotaenia</i> (Gilbert and Meek)
Gilt darter	F	<i>Percina evides</i> (Jordan and Copeland)
Longhead darter	F	<i>Percina macrocephala</i> (Cope)
Blackside darter	F	<i>Percina maculata</i> (Girard)
Longnose darter	F	<i>Percina nasuta</i> (Bailey)
Blackbanded darter	F	<i>Percina nigrofasciata</i> (Agassiz)
Stripeback darter	F	<i>Percina notogramma</i> (Raney and Hubbs)
Sharpnose darter	F	<i>Percina oxyrhyncha</i> (Hubbs and Raney)
Bronze darter	F	<i>Percina palmaris</i> (Bailey)
Leopard darter	F	<i>Percina pantherina</i> (Moore and Reeves)
Shield darter	F	<i>Percina peltata</i> (Stauffer)
Slenderhead darter	F	<i>Percina phoxocephala</i> (Nelson)
Roanoke logperch	F	<i>Percina rex</i> (Jordan and Evermann)
Dusky darter	F	<i>Percina sciera</i> (Swain)
River darter	F	<i>Percina shumardi</i> (Girard)
Olive darter	F	<i>Percina squamata</i> (Gilbert and Swain)
Stargazing darter	F	<i>Percina uranidea</i> (Jordan and Gilbert)
Sauger	F	<i>Stizostedion canadense</i> (Smith)
Walleye	F	<i>Stizostedion vitreum vitreum</i> (Mitchill)
Blue pike	F	<i>Stizostedion vitreum glaucum</i> Hubbs

Branchiostegidae—tilefishes

Blackline tilefish	A	<i>Caulolatilus cyanops</i> Poey
Ocean whitefish	P	<i>Caulolatilus princeps</i> (Jenyns)
Tilefish	A	<i>Lopholatilus chamaeleonticeps</i> Goode and Bean
Sand tilefish	A	<i>Malacanthus plumieri</i> (Bloch)

Pomatomidae—bluefishes

Bluefish	A	<i>Pomatomus saltatrix</i> (Linnaeus)
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Rachycentridae—cobias

Cobia	A	<i>Rachycentron canadum</i> (Linnaeus)
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Carangidae¹—jacks, scads, and pompanos

African pompano	A	<i>Alectis cunitus</i> (Mitchill)
Yellow jack	A	<i>Caranx bartholomaei</i> Cuvier
Green jack	P	<i>Caranx caballus</i> Günther
Blue runner	A	<i>Caranx crysos</i> (Mitchill)
Crevalle jack	A	<i>Caranx hippos</i> (Linnaeus)
Horse-eye jack	A	<i>Caranx latus</i> Agassiz
Bar jack	A	<i>Caranx ruber</i> (Bloch)
Bumper	A	<i>Chloroscombrus chrysurus</i> (Linnaeus)
Mexican scad	P	<i>Decapterus hypodus</i> Gill
Mackerel scad	A	<i>Decapterus macarellus</i> (Cuvier)
Round scad	A	<i>Decapterus punctatus</i> (Agassiz)

¹ An important sport fish, the black jack, *Caranx lugubris* Poey, occurs just out of our area and is landed at Florida por

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Rainbow runner	A	<i>Elagatis bipinnulatus</i> (Quoy and Gaimard)
Bluntnose jack	A	<i>Hemicaranx amblyrhynchus</i> (Cuvier)
Pilotfish	A-P	<i>Naucrates ductor</i> (Linnaeus)
Roosterfish	P	<i>Nematistius pectoralis</i> Gill
Leatherjacket	A-P	<i>Oligoplites saurus</i> (Bloch and Schneider)
Bigeye scad	A	<i>Selar crumenophthalmus</i> (Bloch)
Lookdown	A	<i>Selene vomer</i> (Linnaeus)
Pacific amberjack	P	<i>Seriola colburni</i> (Evermann and Clark)
Yellowtail	P	<i>Seriola dorsalis</i> (Gill)
Greater amberjack	A	<i>Seriola dumerili</i> (Risso)
Almaco jack	A	<i>Seriola falcata</i> Valenciennes
Lesser amberjack	A	<i>Seriola fasciata</i> (Bloch)
Banded rudderfish	A	<i>Seriola zonata</i> (Mitchill)
Pompano	A	<i>Trachinotus carolinus</i> (Linnaeus)
Permit	A	<i>Trachinotus falcatus</i> (Linnaeus)
Palometa	A	<i>Trachinotus glaucus</i> (Bloch)
Paloma pompano	P	<i>Trachinotus paitensis</i> Cuvier
Gafftopsail pompano	P	<i>Trachinotus rhodopus</i> (Gill)
Rough scad	A	<i>Trachurus lathami</i> Nichols
Jack mackerel	P	<i>Trachurus symmetricus</i> (Ayres)
Cottonmouth jack	A	<i>Uraspis heidi</i> Fowler
Pacific moonfish	P	<i>Vomer declivifrons</i> Meek and Hildebrand
Atlantic moonfish	A	<i>Vomer setapinnis</i> (Mitchill)

Coryphaenidae—dolphins

Pompano dolphin	A	<i>Coryphaena equisetis</i> Linnaeus
Dolphin	A-P	<i>Coryphaena hippurus</i> Linnaeus

Bramidae—pomfrets

Pomfret	A-P	<i>Brama rayi</i> (Bloch)
Bigscale pomfret	A-P	<i>Taractes longipinnis</i> (Lowe)

Gerridae—mojarras

Irish pompano	A	<i>Diapterus olisthostomus</i> (Goode and Bean)
Striped mojarra	A	<i>Diapterus plumieri</i> (Cuvier)
Spotfin mojarra	A-P	<i>Eucinostomus argenteus</i> Baird and Girard
Silver jenny	A	<i>Eucinostomus gula</i> (Quoy and Gaimard)
Bigeye mojarra	A	<i>Eucinostomus havana</i> (Nichols)
Mottled mojarra	A	<i>Eucinostomus lefroyi</i> (Goode)
Flagfin mojarra	A	<i>Eucinostomus melanopterus</i> (Bleeker)
Slender mojarra	A	<i>Eucinostomus pseudogula</i> Poey
Yellowfin mojarra	A	<i>Gerres cinereus</i> (Walbaum)

Pomadasyidae—grunts

Sargo	P	<i>Anisotremus davidsoni</i> (Steindachner)
Black margate	A	<i>Anisotremus surinamensis</i> (Bloch)
Porkfish	A	<i>Anisotremus virginicus</i> (Linnaeus)
Tomtate	A	<i>Bathystoma aurolineatum</i> (Cuvier)
Smallmouth grunt	A	<i>Brachygenys chrysargyrea</i> (Günther)
Barred grunt	A	<i>Conodon nobilis</i> (Linnaeus)
Margate	A	<i>Haemulon album</i> Cuvier
Black grunt	A	<i>Haemulon bonariense</i> Cuvier
Caesar grunt	A	<i>Haemulon carbonarium</i> Poey

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
French grunt	A	<i>Haemulon flavolineatum</i> (Desmarest)
Spanish grunt	A	<i>Haemulon macrostomum</i> Günther
Cottonwick	A	<i>Haemulon melanurum</i> (Linnaeus)
Sailors choice	A	<i>Haemulon parrai</i> (Desmarest)
White grunt	A	<i>Haemulon plumieri</i> (Lacépède)
Bluestriped grunt	A	<i>Haemulon sciurus</i> (Shaw)
Pigfish	A	<i>Orthopristis chrysopterus</i> (Linnaeus)
Burro grunt	A	<i>Pomadasys croco</i> (Cuvier)
Salema	P	<i>Xenistius californiensis</i> (Steindachner)

Sciaenidae—drums

Freshwater drum	F	<i>Aplodinotus grunniens</i> Rafinesque
Silver perch	A	<i>Bairdiella chrysura</i> (Lacépède)
Bairdiella	P ¹	<i>Bairdiella icistius</i> (Jordan and Gilbert)
Black croaker	P	<i>Cheilotrema saturnum</i> (Girard)
Sand seatrout	A	<i>Cynoscion arenarius</i> Ginsburg
Spotted seatrout	A	<i>Cynoscion nebulosus</i> (Cuvier)
White seabass	P	<i>Cynoscion nobilis</i> (Ayres)
Silver seatrout	A	<i>Cynoscion nothus</i> (Holbrook)
Shortfin corvina	P	<i>Cynoscion parvipinnis</i> Ayres
Weakfish	A	<i>Cynoscion regalis</i> (Bloch and Schneider)
Orangemouth corvina	P ¹	<i>Cynoscion xanthulus</i> Jordan and Gilbert
Cubbyu	A	<i>Equetus acuminatus</i> (Bloch and Schneider)
Jackknife-fish	A	<i>Equetus lanceolatus</i> (Linnaeus)
Striped drum	A	<i>Equetus pulcher</i> (Steindachner)
Spotted drum	A	<i>Equetus punctatus</i> (Bloch and Schneider)
White croaker	P	<i>Genyonemus lineatus</i> (Ayres)
Banded drum	A	<i>Larimus fasciatus</i> Holbrook
Spot	A	<i>Leiostomus xanthurus</i> Lacépède
Southern kingfish	A	<i>Menticirrhus americanus</i> (Linnaeus)
Minkfish	A	<i>Menticirrhus focaliger</i> Ginsburg
Gulf kingfish	A	<i>Menticirrhus littoralis</i> (Holbrook)
Northern kingfish	A	<i>Menticirrhus saxatilis</i> (Bloch and Schneider)
California corbina	P	<i>Menticirrhus undulatus</i> (Girard)
Atlantic croaker	A	<i>Micropogon undulatus</i> (Linnaeus)
Reef croaker	A	<i>Odontoscion dentex</i> (Cuvier)
Catalina croaker	P	<i>Ophioscion thompsoni</i> (Hubbs)
Black drum	A	<i>Pogonias cromis</i> (Linnaeus)
Spotfin croaker	P	<i>Roncador stearnsi</i> (Steindachner)
Red drum	A	<i>Sciaenops ocellata</i> (Linnaeus)
Queenfish	P	<i>Seriphus politus</i> Ayres
Star drum	A	<i>Stellifer lanceolatus</i> (Holbrook)
Sand drum	A	<i>Umbrina coroides</i> Cuvier
Yellowfin croaker	P	<i>Umbrina roncadore</i> Jordan and Gilbert
Blue croaker	A	<i>Vacuqua sialis</i> (Jordan and Eigenmann)

Mullidae—goatfishes

Yellow goatfish	A	<i>Mulloidichthys martinicus</i> (Cuvier)
Red goatfish	A	<i>Mullus auratus</i> Jordan and Gilbert
Mexican goatfish	P	<i>Pseudupeneus dentatus</i> (Gill)

¹ In our area confined to Salton Sea.

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Spotted goatfish	A	<i>Pseudupeneus maculatus</i> (Bloch)
Dwarf goatfish	A	<i>Upeneus parvus</i> Poey
Sparidae—porgies		
Sheepshead	A	<i>Archosargus probatocephalus</i> (Walbaum)
Sea bream	A	<i>Archosargus rhomboidalis</i> (Linnaeus)
Grass porgy	A	<i>Calamus arctifrons</i> Goode and Bean
Jolthead porgy	A	<i>Calamus bajonado</i> (Bloch and Schneider)
Pacific porgy	P	<i>Calamus brachysomus</i> (Lockington)
Saucereye porgy	A	<i>Calamus calamus</i> (Valenciennes)
Whitebone porgy	A	<i>Calamus leucosteus</i> Jordan and Gilbert
Sheepshead porgy	A	<i>Calamus penna</i> (Valenciennes)
Littlehead porgy	A	<i>Calamus proridens</i> Jordan and Gilbert
Silver porgy	A	<i>Diplodus argenteus</i> (Valenciennes)
Spottail pinfish	A	<i>Diplodus holbrookii</i> (Bean)
Pinfish	A	<i>Lagodus rhomboides</i> (Linnaeus)
Red porgy	A	<i>Pagrus sedecim</i> Ginsburg
Longspine porgy	A	<i>Stenotomus caprinus</i> Bean
Scup	A	<i>Stenotomus chrysops</i> (Linnaeus)
Pempheridae—sweepers		
Glassy sweeper	A	<i>Pempheris schomburgki</i> Müller and Troschel
Scorpidae—halfmoons		
Halfmoon	P	<i>Medialuna californiensis</i> (Steindachner)
Kyphosidae—sea chubs		
Zebra perch	P	<i>Hermosilla azurea</i> Jenkins and Evermann
Yellow chub	A	<i>Kyphosus incisor</i> (Cuvier)
Bermuda chub	A	<i>Kyphosus sectatrix</i> (Linnaeus)
Girellidae—nibblers		
Opaleye	P	<i>Girella nigricans</i> (Ayres)
Ephippidae—spadefishes		
Atlantic spadefish	A	<i>Chaetodipterus faber</i> (Broussonet)
Pacific spadefish	P	<i>Chaetodipterus zonatus</i> (Girard)
Chaetodontidae—butterflyfishes		
Cherubfish	A	<i>Centropyge argi</i> Woods and Kanazawa
Bank butterflyfish	A	<i>Chaetodon aya</i> Jordan
Foureye butterflyfish	A	<i>Chaetodon capistratus</i> Linnaeus
Spotfin butterflyfish	A	<i>Chaetodon ocellatus</i> Bloch
Reef butterflyfish	A	<i>Chaetodon sedentarius</i> Poey
Banded butterflyfish	A	<i>Chaetodon striatus</i> Linnaeus
Blue angelfish	A	<i>Holacanthus bermudensis</i> (Goode)
Queen angelfish	A	<i>Holacanthus ciliaris</i> (Linnaeus)
Rock beauty	A	<i>Holacanthus tricolor</i> (Bloch)
French angelfish	A	<i>Pomacanthus arcuatus</i> (Linnaeus)
Gray angelfish	A	<i>Pomacanthus aureus</i> (Bloch)
Longsnout butterflyfish	A	<i>Prognathodes aculeatus</i> (Poey)

COMMON NAME OCCURRENCE SCIENTIFIC NAME

Cichlidae—cichlids

Velvet cichlid.....	F	<i>Astronotus ocellatus</i> (Agassiz)
Rio Grande perch.....	F	<i>Cichlasoma cyanoguttatum</i> (Baird and Girard)

Embiotocidae—surfperches

Barred surfperch.....	P	<i>Amphistichus argenteus</i> Agassiz
Calico surfperch.....	P	<i>Amphistichus koelzi</i> (Hubbs)
Redtail surfperch.....	P	<i>Amphistichus rhodoterus</i> (Agassiz)
Kelp perch.....	P	<i>Brachyistius frenatus</i> Gill
Shiner perch.....	P-F	<i>Cymatogaster aggregata</i> Gibbons
Island seaperch.....	P	<i>Cymatogaster gracilis</i> Tarp
Black perch.....	P	<i>Embiotoca jacksoni</i> Agassiz
Striped seaperch.....	P	<i>Embiotoca lateralis</i> Agassiz
Spotfin surfperch.....	P	<i>Hyperprosopon anale</i> Agassiz
Walleye surfperch.....	P	<i>Hyperprosopon argenteum</i> Gibbons
Silver surfperch.....	P	<i>Hyperprosopon ellipticum</i> (Gibbons)
Rainbow seaperch.....	P	<i>Hypsurus caryi</i> (Agassiz)
Tule perch.....	F	<i>Hysterochirus traski</i> Gibbons
Reef perch.....	P	<i>Micrometrus aurora</i> (Jordan and Gilbert)
Dwarf perch.....	P	<i>Micrometrus minimus</i> (Gibbons)
Sharpnose seaperch.....	P	<i>Phanerodon atripes</i> (Jordan and Gilbert)
White seaperch.....	P	<i>Phanerodon furcatus</i> Girard
Rubberlip seaperch.....	P	<i>Rhacochilus toxotes</i> Agassiz
Pile perch.....	P	<i>Rhacochilus vacca</i> (Girard)
Pink seaperch.....	P	<i>Zalemnius rosaceus</i> (Jordan and Gilbert)

Pomacentridae—damsel-fishes

Sergeant major.....	A	<i>Abudefduf saxatilis</i> (Linnaeus)
Night sergeant.....	A	<i>Abudefduf taurus</i> (Müller and Troschel)
Blue chromis.....	A	<i>Chromis cyanea</i> (Poey)
Yellowtail reef-fish.....	A	<i>Chromis enchrysurus</i> Jordan and Gilbert
Gray reef-fish.....	A	<i>Chromis insolatus</i> (Cuvier)
Brown chromis.....	A	<i>Chromis multilineata</i> (Guichenot)
Blacksmith.....	P	<i>Chromis punctipinnis</i> (Cooper)
Dusky damselfish.....	A	<i>Eupomacentrus dorsopunicans</i> (Poey)
Beaugregory.....	A	<i>Eupomacentrus leucostictus</i> (Müller and Troschel)
Bicolor damselfish.....	A	<i>Eupomacentrus partitus</i> (Poey)
Threespot damselfish.....	A	<i>Eupomacentrus planifrons</i> (Cuvier)
Cocoa damselfish.....	A	<i>Eupomacentrus variabilis</i> (Castelnau)
Garibaldi.....	P	<i>Hypsypops rubicunda</i> (Girard)
Yellowtail damselfish.....	A	<i>Microspathodon chrysurus</i> (Cuvier)

Labridae—wrasses

Spotfin hogfish.....	A	<i>Bodianus pulchellus</i> (Poey)
Spanish hogfish.....	A	<i>Bodianus rufus</i> (Linnaeus)
Creole wrasse.....	A	<i>Clepticus parrai</i> (Bloch and Schneider)
Red hogfish.....	A	<i>Decodon puellaris</i> (Poey)
Dwarf wrasse.....	A	<i>Doratonotus megalepis</i> Günther
Greenband wrasse.....	A	<i>Halichoeres bathyphilus</i> Beebe and Tee-Van
Slippery dick.....	A	<i>Halichoeres bivittatus</i> (Bloch)
Painted wrasse.....	A	<i>Halichoeres caudalis</i> (Poey)
Yellowhead wrasse.....	A	<i>Halichoeres garnoti</i> (Valenciennes)

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Clown wrasse.....	A	<i>Halichoeres maculipinna</i> (Müller and Troschel)
Blackear wrasse.....	A	<i>Halichoeres poeyi</i> (Steindachner)
Puddingwife.....	A	<i>Halichoeres radiatus</i> (Linnaeus)
Rock wrasse.....	P	<i>Halichoeres semicinctus</i> (Ayres)
Hogfish.....	A	<i>Lachnolaimus maximus</i> (Walbaum)
Señorita.....	P	<i>Oxyjulis californica</i> (Günther)
California sheephead.....	P	<i>Pimelometopon pulchrum</i> (Ayres)
Tautog.....	A	<i>Tautoga onitis</i> (Linnaeus)
Cunner.....	A	<i>Tautoglabrus adspersus</i> (Walbaum)
Bluehead.....	A	<i>Thalassoma bifasciatum</i> (Bloch)
Rosy razorfish.....	A	<i>Xyrichtys martinicensis</i> Valenciennes
Pearly razorfish.....	A	<i>Xyrichtys psittacus</i> (Linnaeus)
Green razorfish.....	A	<i>Xyrichtys ventralis</i> Bean
Scaridae—parrotfishes		
Bluelip parrotfish.....	A	<i>Cryptotomus roseus</i> Cope
Emerald parrotfish.....	A	<i>Nicholsina usta</i> (Valenciennes)
Purple parrotfish.....	A	<i>Scarus coelestinus</i> Valenciennes
Blue parrotfish.....	A	<i>Scarus coeruleus</i> (Bloch)
Striped parrotfish.....	A	<i>Scarus croicensis</i> Bloch
Rainbow parrotfish.....	A	<i>Scarus guacamaia</i> Cuvier
Queen parrotfish.....	A	<i>Scarus vetula</i> Bloch and Schneider
Redband parrotfish.....	A	<i>Sparisoma aurofrenatum</i> (Valenciennes)
Spotfin parrotfish.....	A	<i>Sparisoma axillare</i> Steindachner
Redtail parrotfish.....	A	<i>Sparisoma chrysopterum</i> (Bloch and Schneider)
Bucktooth parrotfish.....	A	<i>Sparisoma radians</i> (Valenciennes)
Redfin parrotfish.....	A	<i>Sparisoma rubripinne</i> (Valenciennes)
Stoplight parrotfish.....	A	<i>Sparisoma viride</i> (Bonnaterre)
Acanthuridae—surgeonfishes		
Ocean surgeon.....	A	<i>Acanthurus bahianus</i> Castelnau
Doctorfish.....	A	<i>Acanthurus chirurgus</i> (Bloch)
Blue tang.....	A	<i>Acanthurus coeruleus</i> Bloch and Schneider
Gulf surgeonfish.....	A	<i>Acanthurus randalli</i> Briggs and Caldwell
Gempylidae—snake mackerels		
Snake mackerel.....	A	<i>Gempylus serpens</i> Cuvier
Escolar.....	A-P	<i>Lepidocybium flavobrunneum</i> (Smith)
Oilfish.....	A-P	<i>Ruwettus pretiosus</i> Cocco
Trichiuridae—cutlassfishes		
Scabbardfish.....	P	<i>Lepidopus xantusi</i> Goode and Bean
Atlantic cutlassfish.....	A	<i>Trichiurus lepturus</i> Linnaeus
Pacific cutlassfish.....	P	<i>Trichiurus nitens</i> Garman
Scombridae—mackerels and tunas		
Wahoo.....	A	<i>Acanthocybium solanderi</i> (Cuvier)
Frigate mackerel.....	A	<i>Auxis thazard</i> (Lacépède)
Little tuna.....	A	<i>Euthynnus alletteratus</i> (Rafinesque)
Black skipjack.....	P	<i>Euthynnus lineatus</i> Kishinouye
Skipjack tuna.....	A-P	<i>Euthynnus pelamis</i> (Linnaeus)
Wavyback skipjack.....	P	<i>Euthynnus yaito</i> Kishinouye

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Pacific bonito.....	P	<i>Sarda chiliensis</i> (Cuvier)
Striped bonito.....	A	<i>Sarda orientalis</i> (Temminck and Schlegel)
Atlantic bonito.....	A	<i>Sarda sarda</i> (Bloch)
Chub mackerel.....	A	<i>Scomber colias</i> Gmelin
Pacific mackerel.....	P	<i>Scomber japonicus</i> Houttuyn
Atlantic mackerel.....	A	<i>Scomber scombrus</i> Linnaeus
King mackerel.....	A	<i>Scomberomorus cavalla</i> (Cuvier)
Monterey Spanish mackerel.....	P	<i>Scomberomorus concolor</i> (Lockington)
Spanish mackerel.....	A	<i>Scomberomorus maculatus</i> (Mitchill)
Cero.....	A	<i>Scomberomorus regalis</i> (Bloch)
Albacore.....	A-P	<i>Thunnus alalunga</i> (Bonnaterre)
Yellowfin tuna.....	A-P	<i>Thunnus albacares</i> (Bonnaterre)
Blackfin tuna.....	A	<i>Thunnus atlanticus</i> (Lesson)
Bigeye tuna.....	A-P	<i>Thunnus obesus</i> Lowe
Bluefin tuna.....	A-P	<i>Thunnus thynnus</i> (Linnaeus)
Luvaridae—louvars		
Louvar.....	A-P	<i>Luvarus imperialis</i> Rafinesque
Istiophoridae ¹ —billfishes		
Atlantic sailfish.....	A	<i>Istiophorus albicans</i> (Latreille)
White marlin.....	A	<i>Makaira albida</i> (Poey)
Striped marlin.....	P	<i>Makaira audax</i> (Phillipi)
Blue marlin.....	A	<i>Makaira nigricans</i> Lacépède
Shortbill spearfish.....	P	<i>Tetrapturus angustirostris</i> Tanaka
Longbill spearfish.....	A	<i>Tetrapturus belone</i> Rafinesque
Xiphiidae—swordfishes		
Swordfish.....	A-P	<i>Xiphias gladius</i> Linnaeus
Eleotridae—sleepers		
Fat sleeper.....	A-F	<i>Dormitator maculatus</i> (Bloch)
Spotted sleeper.....	F	<i>Eleotris picta</i> Kner and Steindachner
Spinycheek sleeper.....	F	<i>Eleotris pisonis</i> (Gmelin)
Emerald sleeper.....	A	<i>Erotelis smaragdus</i> (Valenciennes)
Masked sleeper.....	A	<i>Eviota personata</i> Jordan and Thompson
Bigmouth sleeper.....	A-F	<i>Gobiomorus dormitor</i> Lacépède
Blue sleeper.....	A	<i>Ioglossus calliurus</i> Bean
Gobiidae—gobies		
River goby.....	A-F	<i>Awaous tajasica</i> (Lichtenstein)
Bearded goby.....	A	<i>Barbulifer ceuthoecus</i> (Jordan and Gilbert)
Notchtongue goby.....	A	<i>Bathygobius curacao</i> (Metzelaar)
Frillfin goby.....	A	<i>Bathygobius soporator</i> (Valenciennes)
White-eye goby.....	A	<i>Bollmannia jeannae</i> Fowler
Arrow goby.....	P-F	<i>Clevelandia ios</i> (Jordan and Gilbert)
Bridled goby.....	A	<i>Coryphopterus glaucofraenum</i> Gill
Bluespot goby.....	P	<i>Coryphopterus nicholsi</i> (Bean)
Neon goby.....	A	<i>Elacatinus oceanops</i> Jordan
Tidewater goby.....	P-F	<i>Eucyclogobius newberryi</i> (Girard)

¹ The following species, not yet recorded from our area, occur south of the California border in the Pacific: Pacific sailfish, *Istiophorus greyi* Jordan and Evermann; black marlin, *Makaira indica* (Cuvier); and blue marlin, *Makaira nigricans* Lacépède.

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Sponge goby	A	<i>Evermannichthys spongicola</i> (Radeliffe)
Lyre goby	A	<i>Evorthodus lyricus</i> (Girard)
Tiger goby	A	<i>Garmannia macrodon</i> (Beebe and Tee-Van)
Longjaw mudsucker	P-F	<i>Gillichthys mirabilis</i> Cooper
Goldspot goby	A	<i>Gnatholepis thompsoni</i> Jordan
Violet goby	A	<i>Gobioides broussonneti</i> Lacépède
Darter goby	A	<i>Gobionellus boleosoma</i> (Jordan and Gilbert)
Slim goby	A	<i>Gobionellus gracillimus</i> Ginsburg
Sharptail goby	A	<i>Gobionellus hastatus</i> Girard
Longtail goby	P	<i>Gobionellus longicaudus</i> (Jenkins and Evermann)
Highfin goby	A	<i>Gobionellus oceanicus</i> (Pallas)
Freshwater goby	A-F	<i>Gobionellus shufeldti</i> (Jordan and Evermann)
Emerald goby	A	<i>Gobionellus smaragdus</i> (Valenciennes)
Marked goby	A	<i>Gobionellus stigmaticus</i> (Poey)
Spottail goby	A	<i>Gobionellus stigmaturus</i> (Goode and Bean)
Naked goby	A	<i>Gobiosoma bosci</i> (Lacépède)
Seaboard goby	A	<i>Gobiosoma ginsburgi</i> Hildebrand and Schroeder
Whiteline goby	A	<i>Gobiosoma horsti</i> Metzelaar
Twoscale goby	A	<i>Gobiosoma longipala</i> Ginsburg
Orangespotted goby	A	<i>Gobiosoma longum</i> Nichols
Code goby	A	<i>Gobiosoma robustum</i> Ginsburg
Paleback goby	A	<i>Gobulus myersi</i> Ginsburg
Cheekspot goby	P	<i>Ilypnus gilberti</i> (Eigenmann and Eigenmann)
Bay goby	P	<i>Lepidogobius lepidus</i> (Girard)
Halfblind goby	P	<i>Lethops connectens</i> Hubbs
Crested goby	A	<i>Lophogobius cyprinoides</i> (Pallas)
Bluebanded goby	P	<i>Lythrypnus dalli</i> (Gilbert)
Zebra goby	P	<i>Lythrypnus zebra</i> (Gilbert)
Seminole goby	A	<i>Microgobius carri</i> Fowler
Clown goby	A	<i>Microgobius gulosus</i> (Girard)
Banner goby	A	<i>Microgobius microlepis</i> Longley and Hildebrand
Green goby	A	<i>Microgobius thalassinus</i> (Jordan and Gilbert)
Shadow goby	P	<i>Quietula y-cauda</i> (Jenkins and Evermann)
Smallmouth goby	A	<i>Risor ruber</i> (Rosén)
Blind goby	P	<i>Typhlogobius californiensis</i> Steindachner

Microdesmidae—wormfishes

Pugjaw wormfish	A	<i>Microdesmus floridanus</i> (Longley)
Pink wormfish	A	<i>Microdesmus longipinnis</i> (Weymouth)

Scorpaenidae—scorpionfishes and rockfishes

Blackbelly rosefish	A	<i>Helicolenus dactylopterus</i> (De la Roche)
Spinycheek scorpionfish	A	<i>Neomerinthe pollux</i> (Poey)
Longsnout scorpionfish	A	<i>Pontinus castor</i> Poey
Scalyhead scorpionfish	A	<i>Pontinus longispinis</i> Goode and Bean
Highfin scorpionfish	A	<i>Pontinus rathbuni</i> Goode and Bean
Longfin scorpionfish	A	<i>Scorpaena agassizi</i> Goode and Bean
Red scorpionfish	A	<i>Scorpaena atlantica</i> Nichols and Breder
Goosehead scorpionfish	A	<i>Scorpaena bergi</i> Evermann and Marsh
Barbfish	A	<i>Scorpaena brasiliensis</i> Cuvier
Smoothhead scorpionfish	A	<i>Scorpaena calcarata</i> Goode and Bean
Hunchback scorpionfish	A	<i>Scorpaena dispar</i> Longley and Hildebrand
Lionfish	A	<i>Scorpaena grandicornis</i> Cuvier

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
California scorpionfish	P	<i>Scorpaena guttata</i> Girard
Mushroom scorpionfish	A	<i>Scorpaena inermis</i> Cuvier
Finescale scorpionfish	A	<i>Scorpaena microlepis</i> Gunter
Spotted scorpionfish	A	<i>Scorpaena plumieri</i> Bloch
Reef scorpionfish	A	<i>Scorpaenodes caribbaeus</i> Meek and Hildebrand
Redfish or ocean perch	A	<i>Sebastes marinus</i> (Linnaeus)
Blackthroat rockfish	P	<i>Sebastes¹ aleutianus</i> Jordan and Evermann
Pacific ocean perch	P	<i>Sebastes alutus</i> (Gilbert)
Kelp rockfish	P	<i>Sebastes atrovirens</i> (Jordan and Gilbert)
Brown rockfish	P	<i>Sebastes auriculatus</i> (Girard)
Aurora rockfish	P	<i>Sebastes aurora</i> (Gilbert)
Silvergray rockfish	P	<i>Sebastes brevispinis</i> (Bean)
Gopher rockfish	P	<i>Sebastes carnatus</i> (Jordan and Gilbert)
Copper rockfish	P	<i>Sebastes caurinus</i> (Richardson)
Greenspotted rockfish	P	<i>Sebastes chlorostictus</i> (Jordan and Gilbert)
Black-and-yellow rockfish	P	<i>Sebastes chrysomelas</i> (Jordan and Gilbert)
Dusky rockfish	P	<i>Sebastes ciliatus</i> (Tilesius)
Starry rockfish	P	<i>Sebastes constellatus</i> (Jordan and Gilbert)
Blackmouth rockfish	P	<i>Sebastes crameri</i> Jordan
Calico rockfish	P	<i>Sebastes dalli</i> (Eigenmann and Beeson)
Splitnose rockfish	P	<i>Sebastes diploproa</i> (Gilbert)
Greenstriped rockfish	P	<i>Sebastes elongatus</i> (Ayres)
Puget Sound rockfish	P	<i>Sebastes emphaeus</i> Starks
Widow rockfish	P	<i>Sebastes entomelas</i> (Jordan and Gilbert)
Pink rockfish	P	<i>Sebastes eos</i> (Eigenmann and Eigenmann)
Yellowtail rockfish	P	<i>Sebastes flavidus</i> Ayres
Bronzespotted rockfish	P	<i>Sebastes gilli</i> Eigenmann and Eigenmann
Chilipepper	P	<i>Sebastes goodei</i> Eigenmann and Eigenmann
Rosethorn rockfish	P	<i>Sebastes helvomaculatus</i> (Ayres)
Squarespot rockfish	P	<i>Sebastes hopkinsi</i> Cramer
Shortbelly rockfish	P	<i>Sebastes jordani</i> Gilbert
Cow rockfish	P	<i>Sebastes levis</i> (Eigenmann and Eigenmann)
Coral-red rockfish	P	<i>Sebastes macdonaldi</i> (Eigenmann and Beeson)
Quillback rockfish	P	<i>Sebastes maliger</i> (Jordan and Gilbert)
Black rockfish	P	<i>Sebastes melanops</i> (Girard)
Blackgill rockfish	P	<i>Sebastes melanostomus</i> Eigenmann and Eigenmann
Vermilion rockfish	P	<i>Sebastes miniatus</i> (Jordan and Gilbert)
Blue rockfish	P	<i>Sebastes mystinus</i> (Jordan and Gilbert)
China rockfish	P	<i>Sebastes nebulosus</i> (Ayres)
Tiger rockfish	P	<i>Sebastes nigrocinctus</i> (Ayres)
Speckled rockfish	P	<i>Sebastes ovalis</i> Ayres
Bocaccio	P	<i>Sebastes paucispinis</i> (Ayres)
Canary rockfish	P	<i>Sebastes pinniger</i> (Jordan and Gilbert)
Northern rockfish	P	<i>Sebastes polyspinis</i> (Taranetz and Moiseev)
Redstripe rockfish	P	<i>Sebastes proriger</i> (Jordan and Gilbert)
Grass rockfish	P	<i>Sebastes rastrelliger</i> (Jordan and Gilbert)
Swordspine rockfish	P	<i>Sebastes rhodochloris</i> (Jordan and Gilbert)
Rosy rockfish	P	<i>Sebastes rosaceus</i> Jordan and Gilbert
Raspehead rockfish	P	<i>Sebastes ruberrimus</i> Cramer
Flag rockfish	P	<i>Sebastes rubrivinctus</i> (Jordan and Gilbert)
Stripetail rockfish	P	<i>Sebastes saxicola</i> (Gilbert)

¹ The species here assigned to *Sebastes* are referred by some authors to *Sebastes*.

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Halfbanded rockfish.....	P	<i>Sebastes semicinctus</i> Gilbert
Olive rockfish.....	P	<i>Sebastes serranoides</i> Eigenmann and Eigenmann
Treefish.....	P	<i>Sebastes serriceps</i> (Jordan and Gilbert)
Honeycomb rockfish.....	P	<i>Sebastes umbrosus</i> (Jordan and Gilbert)
Whitebelly rockfish.....	P	<i>Sebastes vexillaris</i> (Jordan and Gilbert)
Pygmy rockfish.....	P	<i>Sebastes wilsoni</i> Gilbert
Sharpchin rockfish.....	P	<i>Sebastes zacentrus</i> (Gilbert)
Shortspine channel rockfish.....	P	<i>Sebastolobus alascanus</i> Bean
Longspine channel rockfish.....	P	<i>Sebastolobus altivelis</i> Gilbert

Triglidae—searobins

Shortfin searobin.....	A	<i>Bellator brachyichir</i> (Regan)
Streamer searobin.....	A	<i>Bellator egretta</i> (Goode and Bean)
Horned searobin.....	A	<i>Bellator militaris</i> (Goode and Bean)
Slenderhead searobin.....	A	<i>Peristedion imberbe</i> (Poey)
Armored searobin.....	A	<i>Peristedion miniatum</i> Goode
Spiny searobin.....	A	<i>Prionotus alatus</i> Goode and Bean
Sicklefin searobin.....	A	<i>Prionotus beani</i> Goode
Northern searobin.....	A	<i>Prionotus carolinus</i> (Linnaeus)
Striped searobin.....	A	<i>Prionotus evolans</i> (Linnaeus)
Barred searobin.....	A	<i>Prionotus martis</i> Ginsburg
Bandtail searobin.....	A	<i>Prionotus ophryas</i> Jordan and Swain
Mexican searobin.....	A	<i>Prionotus paralatus</i> Ginsburg
Blackwing searobin.....	A	<i>Prionotus pectoralis</i> Nichols and Breder
Bluespotted searobin.....	A	<i>Prionotus roseus</i> Jordan and Evermann
Blackfin searobin.....	A	<i>Prionotus rubio</i> Jordan
Leopard searobin.....	A	<i>Prionotus scitulus</i> Jordan and Gilbert
Shortwing searobin.....	A	<i>Prionotus stearnsi</i> Jordan and Swain
Lumptail searobin.....	P	<i>Prionotus stephanophrys</i> Lockington
Bighead searobin.....	A	<i>Prionotus tribulus</i> Cuvier

Anoplopomatidae—sablefishes

Sablefish.....	P	<i>Anoplopoma fimbria</i> (Pallas)
Skilfish.....	P	<i>Erilepis zonifer</i> (Lockington)

Hexagrammidae—greenlings

Kelp greenling.....	P	<i>Hexagrammos decagrammus</i> (Pallas)
Masked greenling.....	P	<i>Hexagrammos octogrammus</i> (Pallas)
Whitespotted greenling.....	P	<i>Hexagrammos stelleri</i> Tilesius
Rock greenling.....	P	<i>Hexagrammos superciliosus</i> (Pallas)
Lingcod.....	P	<i>Ophiodon elongatus</i> Girard
Painted greenling.....	P	<i>Oxylebius pictus</i> Gill
Atka mackerel.....	P	<i>Pleurogrammus monoptyerygius</i> (Pallas)

Zaniolepididae—combfishes

Shortspine combfish.....	P	<i>Zaniolepis frenata</i> Eigenmann
Longspine combfish.....	P	<i>Zaniolepis latipinnis</i> Girard

Cottidae¹—sculpins

Hookear sculpin.....	A	<i>Artediellus uncinatus</i> (Reinhardt)
Coralline sculpin.....	P	<i>Artedius corallinus</i> (Hubbs)

¹ In addition to the species included, some 45 cottids are known to occur in North American waters only in Alaska. Most are small and little known. Their inclusion in this list would be premature.

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Roughcheek sculpin	P	<i>Artedius creaseri</i> (Hubbs)
Padded sculpin	P	<i>Artedius fenestralis</i> Jordan and Gilbert
Spurcheek sculpin	P	<i>Artedius hankinsoni</i> (Hubbs)
Scalyhead sculpin	P	<i>Artedius harringtoni</i> (Starks)
Smoothhead sculpin	P	<i>Artedius lateralis</i> (Girard)
Bonehead sculpin	P	<i>Artedius notospilotus</i> Girard
Rosylip sculpin	P	<i>Ascelichthys rhodorus</i> Jordan and Gilbert
Spinynose sculpin	P	<i>Asemichthys taylori</i> Gilbert
Crested sculpin	P	<i>Blepsias bilobus</i> Cuvier
Silverspotted sculpin	P	<i>Blepsias cirrhosus</i> (Pallas)
Roughback sculpin	P	<i>Chitonotus pugetensis</i> (Steindachner)
Sharpnose sculpin	P-F	<i>Clinocottus acuticeps</i> (Gilbert)
Wooly sculpin	P	<i>Clinocottus analis</i> (Girard)
Calico sculpin	P	<i>Clinocottus embryum</i> (Jordan and Starks)
Mosshhead sculpin	P	<i>Clinocottus globiceps</i> (Girard)
Bald sculpin	P	<i>Clinocottus recalvus</i> (Greeley)
Coastrange sculpin	P-F	<i>Cottus aleuticus</i> Gilbert
Eagle sculpin	F	<i>Cottus annae</i> Jordan and Starks
Prickly sculpin	P-F	<i>Cottus asper</i> Richardson
Rough sculpin	F	<i>Cottus asperimus</i> Rutter
Mottled sculpin	F	<i>Cottus bairdi</i> Girard
Piute sculpin	F	<i>Cottus beldingi</i> Eigenmann and Eigenmann
Malheur sculpin	F	<i>Cottus bendirei</i> (Bean)
Banded sculpin	F	<i>Cottus carolinae</i> (Gill)
Slimy sculpin	F	<i>Cottus cognatus</i> Richardson
Shoshone sculpin	F	<i>Cottus greenei</i> (Gilbert and Culver)
Rifle sculpin	F	<i>Cottus gulosus</i> (Girard)
Columbia sculpin	F	<i>Cottus hubbsi</i> Bailey and Dimick
Marbled sculpin	F	<i>Cottus klamathensis</i> Gilbert
Wood River sculpin	F	<i>Cottus leiopomus</i> Gilbert and Evermann
Margined sculpin	F	<i>Cottus marginatus</i> (Bean)
Reticulate sculpin	F	<i>Cottus perplexus</i> Gilbert and Evermann
Klamath Lake sculpin	F	<i>Cottus princeps</i> Gilbert
Torrent sculpin	F	<i>Cottus rhotheus</i> (Smith)
Spoonhead sculpin	F	<i>Cottus ricci</i> (Nelson)
Slender sculpin	F	<i>Cottus tenuis</i> (Evermann and Meek)
Spinyhead sculpin	P	<i>Dasycottus setiger</i> Bean
Buffalo sculpin	P	<i>Enophrys bison</i> (Girard)
Bull sculpin	P	<i>Enophrys taurina</i> Gilbert
Soft sculpin	P	<i>Gilbertidia sigalutes</i> (Jordan and Starks)
Arctic staghorn sculpin	A-P	<i>Gymnocanthus tricuspis</i> (Reinhardt)
Red Irish lord	P	<i>Hemilepidotus hemilepidotus</i> (Tilesius)
Brown Irish lord	P	<i>Hemilepidotus spinosus</i> (Ayres)
Sea raven	A	<i>Hemitripterus americanus</i> (Gmelin)
Northern sculpin	P	<i>Icelinus borealis</i> Gilbert
Dusky sculpin	P	<i>Icelinus burchami</i> Evermann and Goldsborough
Pit-head sculpin	P	<i>Icelinus cavifrons</i> Gilbert
Threadfin sculpin	P	<i>Icelinus filamentosus</i> Gilbert
Fringed sculpin	P	<i>Icelinus fimbriatus</i> Gilbert
Frogmouth sculpin	P	<i>Icelinus ocellatus</i> Gilbert
Yellowchin sculpin	P	<i>Icelinus quadriseriatus</i> (Lockington)
Spotfin sculpin	P	<i>Icelinus tenuis</i> Gilbert
Twohorn sculpin	A	<i>Icelus bicornis</i> (Reinhardt)
Spatulate sculpin	A-P	<i>Icelus spatula</i> Gilbert and Burke
Longfin sculpin	P	<i>Jordania zonope</i> Starks

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Lavender sculpin	P	<i>Leiocottus hirundo</i> Girard
Pacific staghorn sculpin	P-F	<i>Leptocottus armatus</i> Girard
Blackfin sculpin	P	<i>Malacocottus kincaidii</i> Gilbert and Thompson
Grubby	A	<i>Myoxocephalus aeneus</i> (Mitchill)
Longhorn sculpin	A	<i>Myoxocephalus octodecemspinus</i> (Mitchill)
Great sculpin	P	<i>Myoxocephalus polyacanthocephalus</i> (Pallas)
Fourhorn sculpin	A-F-P	<i>Myoxocephalus quadricornis</i> (Linnaeus)
Arctic sculpin	A-P	<i>Myoxocephalus scorpioides</i> (Fabricius)
Shorthorn sculpin	A-P	<i>Myoxocephalus scorpius</i> (Linnaeus)
Sailfin sculpin	P	<i>Nautichthys oculoasciatus</i> (Girard)
Tidepool sculpin	P	<i>Oligocottus maculosus</i> Girard
Saddleback sculpin	P	<i>Oligocottus rimensis</i> (Greeley)
Rosy sculpin	P	<i>Oligocottus rubellio</i> (Greeley)
Fluffy sculpin	P	<i>Oligocottus snyderi</i> Greeley
Snubnose sculpin	P	<i>Orthonopias triacis</i> Starks and Mann
Thornback sculpin	P	<i>Paricelinus hopliticus</i> Eigenmann and Eigenmann
Tadpole sculpin	P	<i>Psychrolutes paradoxus</i> Günther
Slim sculpin	P	<i>Radulinus asprellus</i> Gilbert
Darter sculpin	P	<i>Radulinus boleoides</i> Gilbert
Smoothgum sculpin	P	<i>Radulinus vinculus</i> Bolin
Grunt sculpin	P	<i>Rhamphocottus richardsoni</i> Günther
Puget Sound sculpin	P	<i>Ruscarius meanyi</i> Jordan and Starks
Cabezon	P	<i>Scorpaenichthys marmoratus</i> (Ayres)
Manacled sculpin	P	<i>Synchirus gilli</i> Bean
Roughspine sculpin	P	<i>Triglops macellus</i> (Bean)
Mailed sculpin	A	<i>Triglops nybelini</i> Jensen
Ribbed sculpin	A-P	<i>Triglops pingeli</i> Reinhardt

Agonidae—poachers and alligatorfishes

Northern spearnose poacher	P	<i>Agonopsis emmelane</i> (Jordan and Starks)
Southern spearnose poacher	P	<i>Agonopsis sterletus</i> (Gilbert)
Sturgeon poacher	P	<i>Agonus acipenserinus</i> Tilesius
Atlantic poacher	A	<i>Agonus decagonus</i> Bloch and Schneider
Smooth alligatorfish	P	<i>Anoplagonus inermis</i> (Günther)
Aleutian alligatorfish	P	<i>Aspidophoroides bartoni</i> Gilbert
Alligatorfish	A	<i>Aspidophoroides monopterygius</i> (Bloch)
Arctic alligatorfish	A-P	<i>Aspidophoroides olriki</i> Lütken
Gray starsnout	P	<i>Asterotheca alascana</i> (Gilbert)
Spinycheek starsnout	P	<i>Asterotheca infraspinata</i> (Gilbert)
Bigeye poacher	P	<i>Asterotheca pentacanthus</i> (Gilbert)
Blackfin poacher	P	<i>Bathyagonus nigripinnis</i> Gilbert
Rockhead	P	<i>Bothragonus swani</i> (Steindachner)
Fourhorn poacher	P	<i>Hypsagonus quadricornis</i> (Cuvier)
Bering poacher	P	<i>Occa dodecaedra</i> (Tilesius)
Warty poacher	P	<i>Occa verrucosa</i> (Lockington)
Pygmy poacher	P	<i>Odontopyxis trispinosa</i> Lockington
Tubenose poacher	P	<i>Pallasina barbata</i> (Steindachner)
Sawback poacher	P	<i>Sarritor frenatus</i> (Gilbert)
Longnose poacher	P	<i>Sarritor leptorhynchus</i> (Gilbert)
Beardless poacher	P	<i>Stelgis vulsa</i> (Jordan and Gilbert)
Pricklebreast poacher	P	<i>Stellerina xyosterna</i> (Jordan and Gilbert)
Blacktip poacher	P	<i>Xeneretmus latifrons</i> (Gilbert)

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Cutfin poacher.....	P	<i>Xeneretmus leiops</i> Gilbert
Stripefin poacher.....	P	<i>Xeneretmus ritteri</i> Gilbert
Bluespotted poacher.....	P	<i>Xeneretmus triacanthus</i> (Gilbert)

Cyclopteridae—lumpfishes and snailfishes

Smooth lump sucker.....	P	<i>Aptocyclus ventricosus</i> (Pallas)
Longfin snailfish.....	A	<i>Careproctus longipinnis</i> Burke
Globefish.....	P	<i>Cyclopterichthys glaber</i> Steindachner
Arctic lump sucker.....	A	<i>Cyclopteropsis macalpini</i> (Fowler)
Lumpfish.....	A	<i>Cyclopterus lumpus</i> Linnaeus
Leatherfin lump sucker.....	A-P	<i>Eumicrotremus derjugini</i> Popov
Pacific spiny lump sucker.....	P	<i>Eumicrotremus orbis</i> (Günther)
Atlantic spiny lump sucker.....	A	<i>Eumicrotremus spinosus</i> (Müller)
Newfoundland spiny lump sucker.....	A	<i>Eumicrotremus terraenovae</i> Myers and Böhlke
Seasnail.....	A	<i>Liparis atlanticus</i> (Jordan and Evermann)
Spotted snailfish.....	P	<i>Liparis callyodon</i> (Pallas)
Ribbon snailfish.....	P	<i>Liparis cyclopus</i> Günther
Polka-dot snailfish.....	A-P	<i>Liparis cyclostigma</i> Gilbert
Marbled snailfish.....	P	<i>Liparis dennyi</i> Jordan and Starks
Tidepool snailfish.....	P	<i>Liparis florum</i> (Jordan and Starks)
Slipskin snailfish.....	P	<i>Liparis fucensis</i> Gilbert
Gelatinous seasnail.....	A-P	<i>Liparis koefoedi</i> Parr
Striped seasnail.....	A	<i>Liparis liparis</i> (Linnaeus)
Slimy snailfish.....	P	<i>Liparis mucosus</i> Ayres
Showy snailfish.....	P	<i>Liparis pulchellus</i> Ayres
Ringtail snailfish.....	P	<i>Liparis rutteri</i> (Gilbert and Snyder)
Greenland seasnail.....	A	<i>Liparis tunicatus</i> Reinhardt
Tadpole snailfish.....	P	<i>Nectoliparis pelagicus</i> Gilbert and Burke
Prickly snailfish.....	P	<i>Paraliparis deani</i> Burke
Bering snailfish.....	P	<i>Polypera beringiana</i> (Gilbert and Burke)
Lobefin snailfish.....	P	<i>Polypera greeni</i> (Jordan and Starks)

Dactylopteridae—flying gurnards

Flying gurnard.....	A	<i>Dactylopterus volitans</i> (Linnaeus)
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Trichodontidae—sandfishes

Sailfin sandfish.....	P	<i>Arctoscopus japonicus</i> (Steindachner)
Pacific sandfish.....	P	<i>Trichodon trichodon</i> (Tilesius)

Ammodytidae—sand lances

American sand lance.....	A	<i>Ammodytes americanus</i> DeKay
Northern sand lance.....	A	<i>Ammodytes dubius</i> Reinhardt
Pacific sand lance.....	A-P	<i>Ammodytes hexapterus</i> Pallas

Opisthognathidae—jawfishes

Swordtail jawfish.....	A	<i>Lonchopisthus lindneri</i> Ginsburg
Yellowhead jawfish.....	A	<i>Opisthognathus aurifrons</i> (Jordan and Thompson)
Banded jawfish.....	A	<i>Opisthognathus fasciatus</i> Longley
Longtail jawfish.....	A	<i>Opisthognathus lonchurus</i> Jordan and Gilbert
Spotfin jawfish.....	A	<i>Opisthognathus macrogathus</i> Poey
Mottled jawfish.....	A	<i>Opisthognathus maxillosus</i> Poey

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Pensacola jawfish	A	<i>Opisthognathus mystacinus</i> (Jordan)
Dusky jawfish	A	<i>Opisthognathus whitehursti</i> (Longley)
Bathymasteridae—ronquils		
Alaskan ronquil	P	<i>Bathymaster caeruleofasciatus</i> Gilbert and Burke
Searcher	P	<i>Bathymaster signatus</i> Cope
Rough ronquil	P	<i>Rathbunella alleni</i> Gilbert
Smooth ronquil	P	<i>Rathbunella hypoplectus</i> (Gilbert)
Northern ronquil	P	<i>Ronquilus jordani</i> (Gilbert)
Percophididae—flatheads		
Duckbill flathead	A	<i>Bembrops anatirostris</i> Ginsburg
Goby flathead	A	<i>Bembrops gobioides</i> (Goode)
Uranoscopidae—stargazers		
Freckled stargazer	A	<i>Arioscopus egregius</i> (Jordan and Thompson)
Northern stargazer	A	<i>Astroscopus guttatus</i> Abbott
Southern stargazer	A	<i>Astroscopus y-graecum</i> (Cuvier)
Lancer stargazer	A	<i>Kathetostoma albigutta</i> (Bean)
Smooth stargazer	P	<i>Kathetostoma averruncus</i> Jordan and Bollman
Dactyloscopidae—sand stargazers		
Sand stargazer	A	<i>Dactyloscopus tridigitatus</i> Gill
Arrow stargazer	A	<i>Gillellus greyae</i> Kanazawa
Saddle stargazer	A	<i>Heteristius rubrocinctus</i> (Longley)
Callionymidae—dragonets		
Lancer dragonet	A	<i>Callionymus bairdi</i> Jordan
Coral dragonet	A	<i>Callionymus boekei</i> Metzlaar
Spotted dragonet	A	<i>Callionymus calliurus</i> Eigenmann and Eigenmann
Clinidae—clinids		
Roughhead blenny	A	<i>Acanthemblemaria aspera</i> (Longley)
Spinyhead blenny	A	<i>Acanthemblemaria spinosa</i> Metzelaar
Island kelpfish	P	<i>Alloclinus holderi</i> (Lauderbach)
Checkered blenny	A	<i>Brannerella ocellata</i> (Steindachner)
Orangethroat pikeblenny	P	<i>Chaenopsis alepidota</i> (Gilbert)
Bluethroat pikeblenny	A	<i>Chaenopsis ocellata</i> Poey
Deepwater blenny	P	<i>Cryptotrema corallinum</i> Gilbert
Banner blenny	A	<i>Emblemaria atlantica</i> Jordan and Evermann
Glass blenny	A	<i>Emblemaria diaphana</i> (Longley)
Sailfin blenny	A	<i>Emblemaria pandionis</i> Evermann and Marsh
Pirate blenny	A	<i>Emblemaria piratula</i> Ginsburg and Reid
Redeye blenny	A	<i>Enneapterygius pectoralis</i> Fowler
Spotted kelpfish	P	<i>Gibbonsia elegans</i> (Cooper)
Scarlet kelpfish	P	<i>Gibbonsia erythra</i> Hubbs
Striped kelpfish	P	<i>Gibbonsia metzi</i> Hubbs
Crevice kelpfish	P	<i>Gibbonsia montereyensis</i> Hubbs
Wrasse blenny	A	<i>Hemiblemaria simulus</i> Longley and Hildebrand
Giant kelpfish	P	<i>Heterostichus rostratus</i> Girard

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Mimic blenny	A	<i>Labrisomus guppyi</i> (Norman)
Downy blenny	A	<i>Labrisomus kalisheræ</i> (Jordan)
Spotcheek blenny	A	<i>Labrisomus nigricinctus</i> Howell Rivero
Hairy blenny	A	<i>Labrisomus nuchipinnis</i> (Quoy and Gaimard)
Rosy blenny	A	<i>Malacoctenus macropus</i> (Poey)
Saddled blenny	A	<i>Malacoctenus triangulatus</i> Springer
Sarcastic fringehead	P	<i>Neoclinus blanchardi</i> Girard
Yellowfin fringehead	P	<i>Neoclinus stephensæ</i> Hubbs
Onespot fringehead	P	<i>Neoclinus uninotatus</i> Hubbs
Coral blenny	A	<i>Paraclinus cingulatus</i> (Evermann and Marsh)
Banded blenny	A	<i>Paraclinus fasciatus</i> (Steindachner)
Horned blenny	A	<i>Paraclinus grandicomis</i> (Rosén)
Reef finspot	P	<i>Paraclinus integripinnis</i> (Smith)
Marbled blenny	A	<i>Paraclinus marmoratus</i> (Steindachner)
Blackfin blenny	A	<i>Paraclinus nigripinnis</i> (Steindachner)
Blackbelly blenny	A	<i>Stathmonotus hemphilli</i> Bean
Eelgrass blenny	A	<i>Stathmonotus stahli</i> (Evermann and Marsh)

Blenniidae—combtooth blennies

Molly miller	A	<i>Blennius cristatus</i> Linnaeus
Seaweed blenny	A	<i>Blennius marmoreus</i> Poey
Highfin blenny	A	<i>Blennius nicholsi</i> Tavolga
Fringe blenny	A	<i>Blennius pilicornis</i> Cuvier
Striped blenny	A	<i>Chasmodes bosquianus</i> (Lacépède)
Florida blenny	A	<i>Chasmodes saburrae</i> Jordan and Gilbert
Pearl blenny	A	<i>Entomacrodus textilis</i> (Quoy and Gaimard)
Barred blenny	A	<i>Hypleurochilus bermudensis</i> Beebe and Tee-Van
Crested blenny	A	<i>Hypleurochilus geminatus</i> (Wood)
Bay blenny	P	<i>Hypsoblennius gentilis</i> (Girard)
Rockpool blenny	P	<i>Hypsoblennius gilberti</i> (Jordan)
Feather blenny	A	<i>Hypsoblennius hentzi</i> (LeSueur)
Freckled blenny	A	<i>Hypsoblennius ionthas</i> (Jordan and Gilbert)
Redlip blenny	A	<i>Ophioblennius atlanticus</i> (Valenciennes)

Anarhichadidae—wolfishes

Northern wolffish	A	<i>Anarhichas denticulatus</i> Krøyer
Atlantic wolffish	A	<i>Anarhichas lupus</i> Linnaeus
Spotted wolffish	A	<i>Anarhichas minor</i> Olafsen
Bering wolffish	P	<i>Anarhichas orientalis</i> Pallas
Wolf-eel	P	<i>Anarrhichthys ocellatus</i> Ayres

Pholidae—gunnels

Penpoint gunnel	P	<i>Apodichthys flavidus</i> Girard
Stippled gunnel	P	<i>Pholis dolichogaster</i> (Pallas)
Banded gunnel	A	<i>Pholis fasciata</i> (Bloch and Schneider)
Bering gunnel	P	<i>Pholis gilli</i> Evermann and Goldsborough
Rock gunnel	A	<i>Pholis gunnellus</i> (Linnaeus)
Crescent gunnel	P	<i>Pholis laeta</i> (Cope)
Saddleback gunnel	P	<i>Pholis ornata</i> (Girard)
Red gunnel	P	<i>Pholis schultzi</i> Hubbs
Kelp gunnel	P	<i>Ulvicola sanctaerosæ</i> Gilbert and Starks
Rockweed gunnel	P	<i>Xerperes fucorum</i> (Jordan and Gilbert)

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Stichaeidae¹—pricklebacks		
Y-blenny	P	<i>Allolumpenus hypochromus</i> Hubbs and Schultz
Cockseomb	P	<i>Anoplarchus purpureus</i> Gill
Monkeyface blenny	P	<i>Cebidichthys violaceus</i> (Girard)
Mosshead prickleback	P	<i>Chirolophus nugator</i> (Jordan and Williams)
Decorated blenny	P	<i>Chirolophus polyactocephalus</i> (Pallas)
Wrymouth	A	<i>Cryptacanthodes maculatus</i> Storer
Giant wrymouth	P	<i>Delolepis gigantea</i> Kittlitz
Fourline snakeblenny	A-P	<i>Eumesogrammus praecisus</i> (Krøyer)
Longsnout blenny	P	<i>Lumpenella longirostris</i> (Evermann and Goldsborough)
Slender eelblenny	A-P	<i>Lumpenus fabricii</i> (Valenciennes)
Snake blenny	A	<i>Lumpenus lumpretaeformis</i> (Walbaum)
Shanny	A-P	<i>Lumpenus maculatus</i> (Fries)
Stout eelblenny	A-P	<i>Lumpenus medius</i> Reinhardt
Pacific snakeblenny	P	<i>Lumpenus sagitta</i> Wilimovsky
Dwarf wrymouth	P	<i>Lyconectes aleutensis</i> Gilbert
Ribbon prickleback	P	<i>Phytichthys chirus</i> (Jordan and Gilbert)
Crisscross prickleback	P	<i>Plagiogrammus hopkinsi</i> Bean
Bluebarred prickleback	P	<i>Plectobranchnus evides</i> Gilbert
Whitebarred blenny	P	<i>Poroclinus rothrocki</i> Bean
Arctic shanny	A-P	<i>Stichaeus punctatus</i> (Fabricius)
Radiated shanny	A	<i>Ulvaria subbifurcata</i> (Storer)
Black prickleback	P	<i>Xiphister atropurpureus</i> (Kittlitz)
Rock blenny	P	<i>Xiphister mucosus</i> (Girard)
Ptilichthyidae—quillfishes		
Quillfish	P	<i>Ptilichthys goodei</i> Bean
Zoarceidae²—eelpouts		
Bigfin eelpout	P	<i>Aprodon cortezianus</i> Gilbert
Snakehead eelpout	P	<i>Embryx crotalina</i> (Gilbert)
Fish doctor	A	<i>Gymnelis viridis</i> (Fabricius)
Wolf eelpout	A	<i>Lycenchelys verrilli</i> (Goode and Bean)
Blackmouth eelpout	P	<i>Lycodapus fierasfer</i> Gilbert
Pallid eelpout	P	<i>Lycodapus mandibularis</i> Gilbert
Shortfin eelpout	P	<i>Lycodes brevipes</i> Bean
Black eelpout	P	<i>Lycodes diapterus</i> Gilbert
Newfoundland eelpout	A	<i>Lycodes lavalaei</i> Vladykov and Tremblay
Wattled eelpout	P	<i>Lycodes palearis</i> Gilbert
Pale eelpout	A	<i>Lycodes pallidus</i> Collett
Arctic eelpout	A	<i>Lycodes reticulatus</i> Reinhardt
Polar eelpout	A-P	<i>Lycodes turneri</i> Bean
Blackbelly eelpout	P	<i>Lycodopsis pacifica</i> (Collett)
Bearded eelpout	P	<i>Lycinema barbatum</i> Gilbert
Ocean pout	A	<i>Macrozoarces americanus</i> (Bloch and Schneider)
Scytalinidae—graveldivers		
Graveldiver	P	<i>Scytalina cerdale</i> Jordan and Gilbert

¹ In addition to those listed, at least six species occur in our area only in Bering Sea. Too little is known about these to permit proposal of common names at this time.

² In addition to species listed, there are others that live in deep water off our coasts and some that occur over the continental shelf in northern seas, especially around Alaska.

COMMON NAME OCCURRENCE SCIENTIFIC NAME

Zaproridae—prowfishes

Prowfish P *Zaprora silenus* Jordan

Brotulidae—brotulas

Red brotula P *Brosomphycis marginata* (Ayres)
 Bearded brotula A *Brotula barbata* (Bloch and Schneider)
 Key brotula A *Ogilbia cayorum* Evermann and Kendall

Ophidiidae—cusk-eels

Fawn cusk-eel A *Lepophidium cervinum* (Goode and Bean)
 Blackedge cusk-eel A *Lepophidium graellsii* (Poey)
 Mottled cusk-eel A *Lepophidium jeannae* Fowler
 Bank cusk-eel A *Ophidion holbrookii* (Putnam)
 Pencil cusk-eel P *Ophidion novaculum* Harry
 Mooneye cusk-eel A *Ophidion selenops* Robins and Böhlke
 Crested cusk-eel A *Ophidion welshi* (Nichols and Breder)
 Polka-dot cusk-eel A *Otophidium omostigmum* (Jordan and Gilbert)
 Basketweave cusk-eel P *Otophidium scrippsae* Hubbs
 Spotted cusk-eel P *Otophidium taylora* (Girard)
 Striped cusk-eel A *Rissola marginata* (DeKay)

Carapidae—pearlfishes

Pearlfish A *Carapus bermudensis* (Jones)

Stromateidae—butterfishes

Black ruff A *Centrolophus niger* (Gmelin)
 Longfin cigarfish P *Cubiceps gracilis* (Lowe)
 Silver-rag A *Cubiceps nigriargenteus* Ginsburg
 Medusafish P *Icichthys lockingtoni* Jordan and Gilbert
 Blackrag P *Icticus pellucidus* (Lütken)
 Man-of-war fish A *Nomeus gronovi* (Gmelin)
 Barrelfish A *Palinurichthys perciformis* (Mitchill)
 Pacific pompano P *Palometa simillima* (Ayres)
 Southern harvestfish A *Peprilus alepidotus* (Linnaeus)
 Northern harvestfish A *Peprilus paru* (Linnaeus)
 Butterfish A *Poronotus triacanthus* (Peck)
 Freckled driftfish A *Psenes cyanophrys* Cuvier
 Silver driftfish A *Psenes maculatus* Lütken
 Spotted driftfish A *Psenes regulus* Poey

Tetragonuridae—squaretails

Bigeye squaretail A *Tetragonurus atlanticus* Lowe
 Smalleye squaretail P *Tetragonurus cuvieri* Risso

Icosteidae—ragfishes

Ragfish P *Icosteus aenigmaticus* Lockington

Sphyraenidae—barracudas

Pacific barracuda P *Sphyraena argentea* Girard
 Great barracuda A *Sphyraena barracuda* (Walbaum)
 Northern sennet A *Sphyraena borealis* DeKay

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Guaguanche.....	A	<i>Sphyraena guachancho</i> Cuvier
Southern sennet.....	A	<i>Sphyraena picudilla</i> Poey
Mugilidae—mulletts		
Mountain mullet.....	A-F	<i>Agonostomus monticola</i> (Bancroft)
Striped mullet ¹	A-F-P	<i>Mugil cephalus</i> Linnaeus
White mullet.....	A	<i>Mugil curema</i> Valenciennes
Redeye mullet.....	A	<i>Mugil gaimardiana</i> Desmarest
Liza.....	A	<i>Mugil liza</i> Valenciennes
Fantail mullet.....	A	<i>Mugil trichodon</i> Poey
Atherinidae—silversides		
Reef silverside.....	A	<i>Allanetta harringtonensis</i> (Goode)
Hardhead silverside.....	A	<i>Atherinomorus stipes</i> (Müller and Troschel)
Topsmelt.....	P-F	<i>Atherinops affinis</i> (Ayres)
Jacksmelt.....	P	<i>Atherinopsis californiensis</i> Girard
Brook silverside.....	F	<i>Labidesthes sicculus</i> (Cope)
California grunion.....	P	<i>Leuresthes tenuis</i> (Ayres)
Rough silverside.....	A	<i>Membras martinica</i> (Valenciennes)
Mississippi silverside.....	F	<i>Menidia audens</i> Hay
Tidewater silverside.....	A-F	<i>Menidia beryllina</i> (Cope)
Key silverside.....	A	<i>Menidia conchorum</i> Hildebrand and Ginsburg
Waccamaw silverside.....	F	<i>Menidia extensa</i> Hubbs and Raney
Atlantic silverside.....	A	<i>Menidia menidia</i> (Linnaeus)
Polynemidae—threadfins		
Pacific threadfin.....	P	<i>Polydactylus approximans</i> (Lay and Bennett)
Atlantic threadfin.....	A	<i>Polydactylus octonemus</i> (Girard)
Yellow threadfin.....	P	<i>Polydactylus opercularis</i> (Gill)
Barbu.....	A	<i>Polydactylus virginicus</i> (Linnaeus)
ORDER PLEURONECTIFORMES (HETEROSOMATA)		
Bothidae—lefteye flounders		
Three-eye flounder.....	A	<i>Ancylopsetta dilecta</i> (Goode and Bean)
Ocellated flounder.....	A	<i>Ancylopsetta quadrocellata</i> Gill
Peacock flounder.....	A	<i>Bothus lunatus</i> (Linnaeus)
Eyed flounder.....	A	<i>Bothus ocellatus</i> (Agassiz)
Pelican flounder.....	A	<i>Chascanopsetta lugubris</i> Alcock
Gulf Stream flounder.....	A	<i>Citharichthys arcifrons</i> Goode
Horned whiff.....	A	<i>Citharichthys cornutus</i> (Günther)
Spotted whiff.....	A	<i>Citharichthys macrops</i> Dresel
Pacific sanddab.....	P	<i>Citharichthys sordidus</i> (Girard)
Bay whiff.....	A	<i>Citharichthys spilopterus</i> Günther
Speckled sanddab.....	P	<i>Citharichthys stigmaeus</i> Jordan and Gilbert
Longfin sanddab.....	P	<i>Citharichthys xanthostigma</i> Gilbert
Mexican flounder.....	A	<i>Cyclopsetta chittendeni</i> Bean
Spotfin flounder.....	A	<i>Cyclopsetta fimbriata</i> (Goode and Bean)
Spiny flounder.....	A	<i>Engyophrys sentus</i> Ginsburg
Fringed flounder.....	A	<i>Etropus crossotus</i> Jordan and Gilbert
Smallmouth flounder.....	A	<i>Etropus microstomus</i> (Gill)

¹ Known as black mullet in Florida.

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Gray flounder	A	<i>Etropus rimosus</i> Goode and Bean
Shrimp flounder	A	<i>Gastropsetta frontalis</i> Bean
Bigmouth sole	P	<i>Hippoglossina stomata</i> Eigenmann and Eigenmann
Slim flounder	A	<i>Monolene antillarum</i> Norman
Deepwater flounder	A	<i>Monolene sessilicauda</i> Goode
Gulf flounder	A	<i>Paralichthys albigutta</i> Jordan and Gilbert
California halibut	P	<i>Paralichthys californicus</i> (Ayres)
Summer flounder	A	<i>Paralichthys dentatus</i> (Linnaeus)
Southern flounder	A	<i>Paralichthys lethostigma</i> Jordan and Gilbert
Fourspot flounder	A	<i>Paralichthys oblongus</i> (Mitchill)
Broad flounder	A	<i>Paralichthys squamilentus</i> Jordan and Gilbert
Windowpane	A	<i>Scophthalmus aquosus</i> (Mitchill)
Shoal flounder	A	<i>Syacium gunteri</i> Ginsburg
Channel flounder	A	<i>Syacium micrurum</i> Ranzani
Dusky flounder	A	<i>Syacium papillosum</i> (Linnaeus)
Sash flounder	A	<i>Trichopsetta ventralis</i> (Goode and Bean)
Fantail sole	P	<i>Xystreurus liolepis</i> Jordan and Gilbert

Pleuronectidae—righteye flounders

Arrowtooth flounder	P	<i>Atheresthes stomias</i> (Jordan and Gilbert)
Deepsea sole	P	<i>Embassichthys bathybius</i> (Gilbert)
Petrale sole	P	<i>Eopsetta jordani</i> (Lockington)
Witch flounder	A	<i>Glyptocephalus cynoglossus</i> (Linnaeus)
Rex sole	P	<i>Glyptocephalus zachirus</i> Lockington
Flathead sole	P	<i>Hippoglossoides elassodon</i> Jordan and Gilbert
American plaice	A	<i>Hippoglossoides platessoides</i> (Fabricius)
Bering flounder	P	<i>Hippoglossoides robustus</i> Gill and Townsend
Atlantic halibut	A	<i>Hippoglossus hippoglossus</i> (Linnaeus)
Pacific halibut	P	<i>Hippoglossus stenolepis</i> Schmidt
Diamond turbot	P	<i>Hypsopsetta guttulata</i> (Girard)
Butter sole	P	<i>Isopsetta isolepis</i> (Lockington)
Rock sole	P	<i>Lepidopsetta bilineata</i> (Ayres)
Yellowfin sole	P	<i>Limanda aspera</i> (Pallas)
Yellowtail flounder	A	<i>Limanda ferruginea</i> (Storer)
Longhead dab	P	<i>Limanda proboscidea</i> Gilbert
Arctic flounder	P	<i>Liopsetta glacialis</i> (Pallas)
Smooth flounder	A	<i>Liopsetta putnami</i> (Gill)
Slender sole	P	<i>Lyopsetta exilis</i> (Jordan and Gilbert)
Dover sole	P	<i>Microstomus pacificus</i> (Lockington)
English sole	P	<i>Parophrys vetulus</i> Girard
Starry flounder	P-F	<i>Platichthys stellata</i> (Pallas)
Alaska plaice	P	<i>Pleuronectes quadrituberculatus</i> Pallas
C-O sole	P	<i>Pleuronichthys coenosus</i> Girard
Curlfin sole	P	<i>Pleuronichthys decurrens</i> Jordan and Gilbert
Spotted turbot	P	<i>Pleuronichthys ritteri</i> Starks and Morris
Hornyhead turbot	P	<i>Pleuronichthys verticalis</i> Jordan and Gilbert
Sand sole	P	<i>Psettichthys melanostictus</i> Girard
Winter flounder	A	<i>Pseudopleuronectes americanus</i> (Walbaum)
Greenland halibut	A	<i>Reinhardtius hippoglossoides</i> (Walbaum)

Soleidae—soles

Lined sole	A	<i>Achirus lineatus</i> (Linnaeus)
Naked sole	A	<i>Gymnachirus nudus</i> Kaup
Scrawled sole	A	<i>Trinectes inscriptus</i> (Gosse)
Hogchoker	A	<i>Trinectes maculatus</i> (Bloch and Schneider)

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Cynoglossidae—tonguefishes		
California tonguefish	P	<i>Symphurus atricauda</i> (Jordan and Gilbert)
Offshore tonguefish	A	<i>Symphurus civitatus</i> Ginsburg
Spottedfin tonguefish	A	<i>Symphurus diomedianus</i> (Goode and Bean)
Largescale tonguefish	A	<i>Symphurus minor</i> Ginsburg
Pygmy tonguefish	A	<i>Symphurus parvus</i> Ginsburg
Longtail tonguefish	A	<i>Symphurus pelicanus</i> Ginsburg
Deepwater tonguefish	A	<i>Symphurus piger</i> (Goode and Bean)
Blackcheek tonguefish	A	<i>Symphurus plagiusa</i> (Linnaeus)
Northern tonguefish	A	<i>Symphurus pusillus</i> (Goode and Bean)
Spottail tonguefish	A	<i>Symphurus urospilus</i> Ginsburg
ORDER ECHENEIFORMES (DISCOCEPHALI)		
Echeneidae—remoras		
Sharksucker	A	<i>Echeneis naucrates</i> Linnaeus
Whitefin sharksucker	A	<i>Echeneis neucratoides</i> Zuieww
Slender suckerfish	A	<i>Phtheichthys lineatus</i> (Menzies)
Whalesucker	A-P	<i>Remora australis</i> (Bennett)
Spearfish remora	A-P	<i>Remora brachyptera</i> (Lowe)
Marlinsucker	A-P	<i>Remora osteochir</i> (Cuvier)
Remora	A-P	<i>Remora remora</i> (Linnaeus)
White suckerfish	A-P	<i>Remorina albescens</i> (Temminck and Schlegel)
ORDER GOBIESOCIFORMES (XENOPTERYGII)		
Gobiesocidae—clingfishes		
Emerald clingfish	A	<i>Acyrtops beryllinus</i> (Hildebrand and Ginsburg)
Northern clingfish	P	<i>Gobiesox maeandricus</i> (Girard)
Bearded clingfish	P	<i>Gobiesox papillifer</i> Gilbert
Stippled clingfish	A	<i>Gobiesox punctulatus</i> (Poey)
California clingfish	P	<i>Gobiesox rhessodon</i> Smith
Skilletfish	A	<i>Gobiesox strumosus</i> Cope
Slender clingfish	P	<i>Rimicola eigenmanni</i> (Gilbert)
Kelp clingfish	P	<i>Rimicola muscarum</i> (Meek and Hildebrand)
ORDER TETRAODONTIFORMES (PLECTOGNATHI)		
Triacanthodidae—spikefishes		
Jambeau	A	<i>Parahollandia lineata</i> (Longley)
Balistidae—triggerfishes and filefishes		
Unicorn filefish	A	<i>Alutera monoceros</i> (Linnaeus)
Orange filefish	A	<i>Alutera schoepfi</i> (Walbaum)
Serawled filefish	A	<i>Alutera scripta</i> (Osbeck)
Dotterel filefish	A	<i>Alutera ventralis</i> Longley
Gray triggerfish	A	<i>Balistes caprisicus</i> Gmelin
Spotted triggerfish	A	<i>Balistes forcipatus</i> Gmelin
Finescale triggerfish	P	<i>Balistes polylepis</i> Steindachner
Queen triggerfish	A	<i>Balistes vetula</i> Linnaeus
Orangespotted filefish	A	<i>Cantherines pullus</i> (Ranzani)
Rough triggerfish	A	<i>Canthidermis maculatus</i> (Bloch)
Ocean triggerfish	A	<i>Canthidermis sufflamen</i> (Mitchill)
Black durgon	A	<i>Melichthys radula</i> (Solander)

COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Fringed filefish.....	A	<i>Monacanthus ciliatus</i> (Mitchill)
Planehead filefish.....	A	<i>Monacanthus hispidus</i> (Linnaeus)
Pygmy filefish.....	A	<i>Monacanthus setifer</i> Bennett
Slender filefish.....	A	<i>Monacanthus tuckeri</i> Bean
Redtail triggerfish.....	P	<i>Xanthichthys lineopunctatus</i> (Hollard)
Sargassum triggerfish.....	A	<i>Xanthichthys ringens</i> (Linnaeus)

Ostraciidae—trunkfishes

Spotted trunkfish.....	A	<i>Lactophrys bicaudalis</i> (Linnaeus)
Cowfish.....	A	<i>Lactophrys quadricornis</i> (Linnaeus)
Trunkfish.....	A	<i>Lactophrys trigonus</i> (Linnaeus)
Smooth trunkfish.....	A	<i>Lactophrys triqueter</i> (Linnaeus)
Spiny trunkfish.....	P	<i>Lactoria diaphana</i> (Bloch and Schneider)

Tetraodontidae—puffers

Sharpnose puffer.....	A	<i>Canthigaster rostrata</i> (Bloch)
Smooth puffer.....	A	<i>Lagocephalus laevigatus</i> (Linnaeus)
Oceanic puffer.....	P	<i>Lagocephalus lagocephalus</i> (Linnaeus)
Jugfish.....	A	<i>Lagocephalus pachycephalus</i> (Ranzani)
Bullseye puffer.....	P	<i>Sphaeroides annulatus</i> (Jenyns)
Marbled puffer.....	A	<i>Sphaeroides dorsalis</i> Longley
Northern puffer.....	A	<i>Sphaeroides maculatus</i> (Bloch and Schneider)
Southern puffer.....	A	<i>Sphaeroides nephelus</i> (Goode and Bean)
Bandtail puffer.....	A	<i>Sphaeroides spengleri</i> (Bloch)
Checkered puffer.....	A	<i>Sphaeroides testudineus</i> (Linnaeus)

Diodontidae—porcupinefishes

Pacific burrfish.....	P	<i>Chilomycterus affinis</i> Günther
Bridled burrfish.....	A	<i>Chilomycterus antennatus</i> (Cuvier)
Web burrfish.....	A	<i>Chilomycterus antillarum</i> Jordan and Rutter
Spotted burrfish.....	A	<i>Chilomycterus atinga</i> (Linnaeus)
Striped burrfish.....	A	<i>Chilomycterus schoepfi</i> (Walbaum)
Balloonfish.....	A	<i>Diodon holacanthus</i> Linnaeus
Porcupinefish.....	A-P	<i>Diodon hystrix</i> Linnaeus

Molidae—molas

Sharptail mola.....	A	<i>Mola lanceolata</i> Lienard
Ocean sunfish.....	A-P	<i>Mola mola</i> (Linnaeus)
Slender mola.....	P	<i>Ranzania laevis</i> (Pennant)

ORDER BATRACHOIDIFORMES (HAPLODOCI)

Batrachoididae—toadfishes

Gulf toadfish.....	A	<i>Opsanus beta</i> (Goode and Bean)
Leopard toadfish.....	A	<i>Opsanus pardus</i> (Goode and Bean)
Oyster toadfish.....	A	<i>Opsanus tau</i> (Linnaeus)
Slim midshipman.....	P	<i>Porichthys myriaster</i> Hubbs and Schultz
Northern midshipman.....	P	<i>Porichthys notatus</i> Girard
Atlantic midshipman.....	A	<i>Porichthys porosissimus</i> (Cuvier)

ORDER LOPHIIFORMES (PEDICULATI)

Lophiidae—goosefishes

Goosefish.....	A	<i>Lophius americanus</i> Valenciennes
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COMMON NAME	OCCURRENCE	SCIENTIFIC NAME
Antennariidae—frogfishes		
Roughjaw frogfish.....	P	<i>Antennarius avalonis</i> Jordan and Starks
Longlure frogfish.....	A	<i>Antennarius multiocellatus</i> (Valenciennes)
Ocellated frogfish.....	A	<i>Antennarius ocellatus</i> (Bloch and Schneider)
Singlespot frogfish.....	A	<i>Antennarius radiosus</i> Garman
Splitlure frogfish.....	A	<i>Antennarius scaber</i> (Cuvier)
Sargassumfish.....	A	<i>Histrio histrio</i> (Linnaeus)
Ogcocephalidae—batfishes		
Spiny batfish.....	A	<i>Halieutichthys aculeatus</i> (Mitchill)
Tricorn batfish.....	A	<i>Ogcocephalus mcgintyi</i> Fowler
Shortnose batfish.....	A	<i>Ogcocephalus nasutus</i> (Valenciennes)
Roughback batfish.....	A	<i>Ogcocephalus parvus</i> Longley and Hildebrand
Polka-dot batfish.....	A	<i>Ogcocephalus radiatus</i> (Mitchill)
Longnose batfish.....	A	<i>Ogcocephalus vespertilio</i> (Linnaeus)
Spotted batfish.....	P	<i>Zalieutes elater</i> (Jordan and Gilbert)

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<i>Zeiformes</i>	24	<i>zosterac</i> , <i>Hippocampus</i>	23
		<i>zygaena</i> , <i>Sphyrna</i>	8
		<i>zyopterus</i> , <i>Galeorhinus</i>	7

